

C6649091

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

*Still
Smart.*

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

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

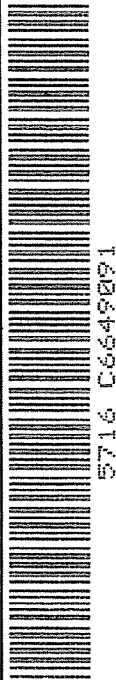
MODEL 700™ H24

20

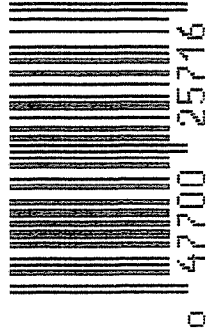
SERIAL NO. C6649091

ORDER NO. 5716

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C-6649091

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KA
600	Proof		6/26/91	KA
607	Check Headspace		6/26/91	KA
610	Dis-assemble Gun		6/26/91	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 2 0 1991	WB
620	Apply Coatings (Barrel Action)		8-7-91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/91	KA
	C) Inspect Ejector Hole for Chamfer		8/8/91	KA
	D) Oil Firing Pin Ass'y		8/8/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8-10-91	D/H

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			8-10-91	DH
	G) Safety Off Force	3	3	3 1/2			8-10-91	DH
	H) Trigger Pull Test & Retainability						8-10-91	DH
	I) Firing Pin Indent	.020	.020	.020			8-10-91	DH
	J) Assemble Stock						8/13/91	KA
	K) Assemble Swivel Studs						8-15-91	DH
	L) Attach Front and Rear Sight Assemblies						8/13/91	KA
	M) Iron Sight Alignment						8/13/91	KA
	N) Detach Front & Rear Sights & place in numbered container						8/13/91	KA
	O) Attach Scope to Rifle						8/13/91	KA
	P) Detach & Attach Scope 20 Times						8/13/91	KA
640	Gallery Target & Test						8-14-91	DH
	A) Time						8-14-91	DH
	B) Malfunctions						8-14-91	DH
	C) Pierced Primers						8-14-91	DH
	D) Optical Clarity of Scope						8-14-91	DH
645	Inspect for Live Ammo						8-14-91	DH
655	Final Inspection						8-15-91	DH
	A) Headspace						8-15-91	DH
	B) Trigger Pull	2.20	2.22	2.19	2.20	2.20	8-15-91	JK
	C) Function						8-15-91	DH
660	Pack						9-18-91	AF

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649091DATE 8-10-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.14	2.34	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.21	2.35	2.22	
PULL #3	2.24	2.18	2.30	2.19	
PULL #4	2.29	2.15	2.23	2.20	
PULL #5	2.40	2.13	2.19	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.04		
PULL #2	3.24	3.06		
PULL #3	3.18	3.23		
PULL #4	3.15	3.17		
PULL #5	3.04	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.51		4.42
PULL #2	4.43	4.43		4.22
PULL #3	4.41	4.29		4.45
PULL #4	4.01	4.41		4.44
PULL #5	4.41	4.47		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.439582
1 TO	2	.421967
1 TO	3	.0791581
1 TO	4	.378005
1 TO	5	.297236

13 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538
THE AMR FOR THIS RIFLE IS: .8982

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6645081

CENTERFIRE PATTERNS

1

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.102

VS= 1.948

GS= 2.205

CENTROID *

PATTERN #

:

10

9

8

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.056

.973

.832

MINIMUM X

:

-1.046

-1.129

-1.077

MAXIMUM Y

:

1.180

1.013

.935

MINIMUM Y

:

-.768

-.637

-.715

CENTROID X

:

.436

.519

.660

CENTROID Y

:

.056

-.075

.003

POR TO CENTROID in.

:

.440

.524

.660

MIN RADIUS

:

.380

.296

.448

MEAN RADIUS

:

.879

.791

.727

MAX RADIUS

:

1.395

1.289

1.127

HORIZONTAL SPREAD

:

2.102

2.102

1.909

VERTICAL SPREAD

:

1.948

1.650

1.650

EXTREME SPREAD

:

2.205

2.205

1.944

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.697

VS= 3.068

GS= 3.222

CENTROID #

PATTERN #

2

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.774	.672	.613
MINIMUM X	-.923	-.727	-.786
MAXIMUM Y	1.096	.877	.852
MINIMUM Y	-1.972	-.729	-.619
CENTROID X	.070	.172	.231
CENTROID Y	-.154	.065	-.045
POR TO CENTROID in.	.169	.184	.235
MIN RADIUS	.064	.180	.136
MEAN RADIUS	.817	.664	.598
MAX RADIUS	2.177	.995	.998
HORIZONTAL SPREAD	1.697	1.399	1.399
VERTICAL SPREAD	3.068	1.606	1.471
EXTREME SPREAD	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0649091

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.654

VS = 2.399

GS = 2.448

CENTROID *

PATTERN #

:

3

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.075

1.106

.677

MINIMUM X

:

-.579

-.548

-.410

MAXIMUM Y

:

1.350

.998

.961

MINIMUM Y

:

-1.049

-.899

-.936

CENTROID X

:

.357

.326

.188

CENTROID Y

:

.061

-.089

-.052

POA TO CENTROID in.:

:

.362

.338

.195

MIN RADIUS

:

.224

.372

.350

MEAN RADIUS

:

.758

.696

.627

MAX RADIUS

:

1.378

1.143

1.045

HORIZONTAL SPREAD

:

1.654

1.654

1.087

VERTICAL SPREAD

:

2.399

1.897

1.897

EXTREME SPREAD

:

2.448

2.096

1.932

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

10

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG6490091

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

IS= 2.297

VS= 2.872

GS= 2.997

CENTROID #

PATTERN #

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.072	1.096	1.063
MINIMUM X	-1.225	-1.201	-1.065
MAXIMUM Y	1.056	.855	.821
MINIMUM Y	-1.015	-1.196	-1.089
CENTROID X	.058	.034	-.103
CENTROID Y	.058	.260	.153
POA TO CENTROID in.	.083	.262	.184
MIN RADIUS	.202	.224	.287
MEAN RADIUS	.957	.855	.773
MAX RADIUS	1.028	1.390	1.223
HORIZONTAL SPREAD	2.297	2.297	2.128
VERTICAL SPREAD	2.872	2.051	1.910
EXTREME SPREAD	2.997	2.550	2.163
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.439582
1 TO	2	.421967
1 TO	3	.0791581
1 TO	4	.378005
1 TO	5	.297236

43 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538
THE AMR FOR THIS RIFLE IS: .8982

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 2.102

VS = 1.948

GS = 2.205

CENTROID *

PATTERN #

:

214

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.056

.973

.832

MINIMUM X

:

-1.046

-1.129

-1.077

MAXIMUM Y

:

1.180

1.013

.935

MINIMUM Y

:

-.768

-.637

-.715

CENTROID X

:

.436

.519

.660

CENTROID Y

:

.056

-.075

.003

POA TO CENTROID in.

:

.440

.524

.660

MIN RADIUS

:

.380

.296

.448

MEAN RADIUS

:

.879

.791

.727

MAX RADIUS

:

1.395

1.289

1.127

HORIZONTAL SPREAD

:

2.102

2.102

1.909

VERTICAL SPREAD

:

1.948

1.650

1.650

EXTREME SPREAD

:

2.205

2.205

1.944

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649091

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.697

VS= 3.068

GS= 3.222

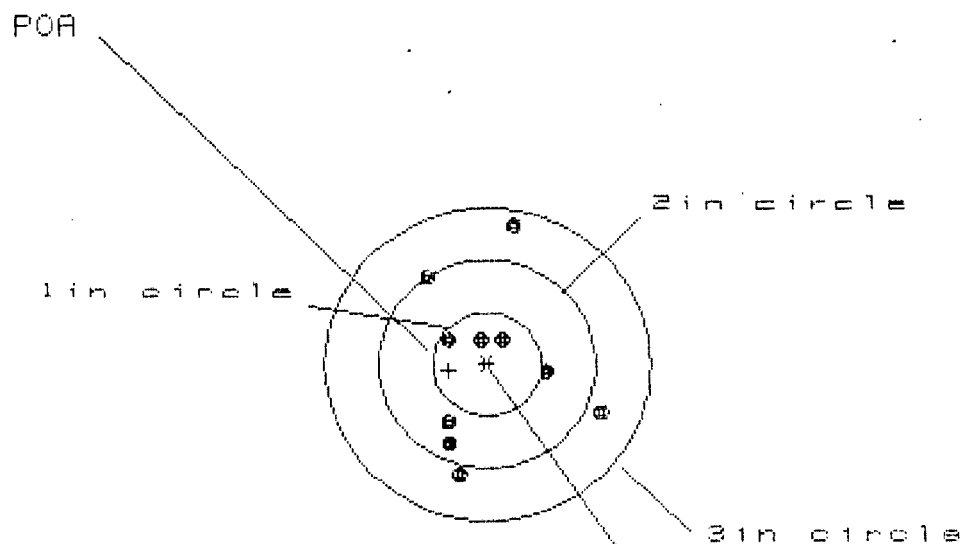
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.774	.672	.613
MINIMUM X	:	-.923	-.727	-.786
MAXIMUM Y	:	1.096	.877	.852
MINIMUM Y	:	-1.972	-.729	-.619
CENTROID X	:	.070	.172	.231
CENTROID Y	:	-.154	.065	-.045
POA TO CENTROID in.	:	.169	.184	.235
MIN RADIUS	:	.064	.100	.136
MEAN RADIUS	:	.817	.664	.598
MAX RADIUS	:	2.177	.995	.998
HORIZONTAL SPREAD	:	1.697	1.399	1.399
VERTICAL SPREAD	:	3.068	1.606	1.471
EXTREME SPREAD	:	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66490091

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.654

VS = 2.399

GS = 2.448

CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.075	1.106	.677
MINIMUM X	-.579	-.548	-.410
MAXIMUM Y	1.350	.998	.961
MINIMUM Y	-1.049	-.899	-.936
CENTROID X	.357	.326	.188
CENTROID Y	.061	-.089	-.052
POA TO CENTROID in.	.362	.338	.195
MIN RADIUS	.224	.372	.350
MEAN RADIUS	.758	.696	.627
MAX RADIUS	1.378	1.143	1.045
HORIZONTAL SPREAD	1.654	1.654	1.087
VERTICAL SPREAD	2.399	1.897	1.897
EXTREME SPREAD	2.448	2.096	1.932
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8645091

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.297

VS = 2.872

GS = 2.997

CENTROID *

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.072

1.096

1.063

MINIMUM X

:

-1.225

-1.201

-1.065

MAXIMUM Y

:

1.056

.855

.821

MINIMUM Y

:

-1.815

-1.196

-1.089

CENTROID X

:

.058

.034

-.103

CENTROID Y

:

.058

.260

.153

POA TO CENTROID in.

:

.083

.262

.184

MIN RADIUS

:

.202

.224

.287

MEAN RADIUS

:

.957

.855

.773

MAX RADIUS

:

1.828

1.390

1.223

HORIZONTAL SPREAD

:

2.297

2.297

2.128

VERTICAL SPREAD

:

2.872

2.051

1.910

EXTREME SPREAD

:

2.997

2.550

2.163

NUMBER IN ONE INCH CIRCLE =

:

2

5

NUMBER IN TWO INCH CIRCLE =

:

5

8

NUMBER IN THREE INCH CIRCLE =

:

8

8

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649091
23 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.439582
1 TO 2	.421967
1 TO 3	.0791581
1 TO 4	.378005
1 TO 5	.297236

13 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.021
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .22538
THE AMR FOR THIS RIFLE IS: .8982

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.102

VS= 1.948

GS= 2.205

CENTROID #

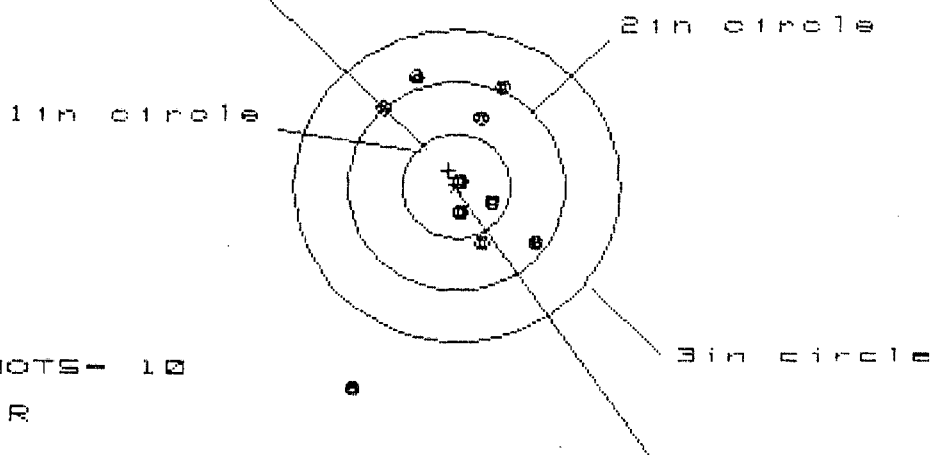
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.056	.973	.832
MINIMUM X	-1.046	-1.129	-1.077
MAXIMUM Y	1.180	1.013	.935
MINIMUM Y	-.768	-.637	-.715
CENTROID X	.436	.519	.660
CENTROID Y	.056	-.075	.003
POA TO CENTROID in.	.440	.524	.660
MIN RADIUS	.380	.296	.448
MEAN RADIUS	.879	.791	.727
MAX RADIUS	1.395	1.289	1.127
HORIZONTAL SPREAD	2.102	2.102	1.909
VERTICAL SPREAD	1.948	1.650	1.650
EXTREME SPREAD	2.205	2.205	1.944
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.697

VS = 3.068

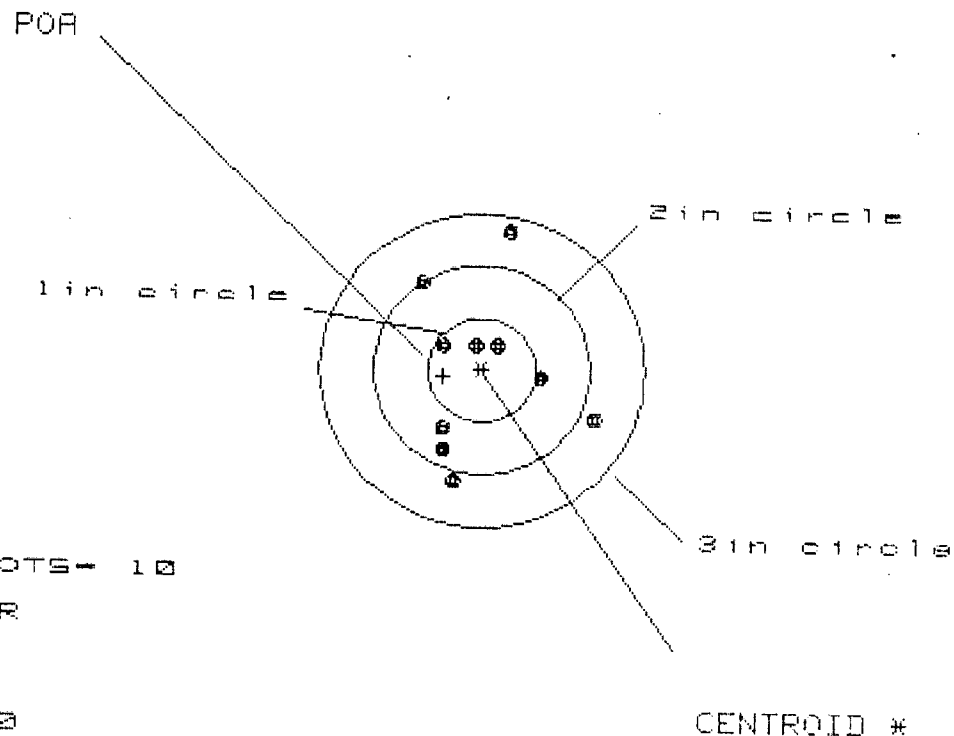
GS = 3.222

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.774	.672	.613
MINIMUM X	-.923	-.727	-.786
MAXIMUM Y	1.096	.877	.852
MINIMUM Y	-1.972	-.729	-.619
CENTROID X	.070	.172	.231
CENTROID Y	-.154	.065	-.045
POA TO CENTROID in.	.169	.184	.235
MIN RADIUS	.064	.180	.136
MEAN RADIUS	.817	.664	.598
MAX RADIUS	2.177	.995	.998
HORIZONTAL SPREAD	1.697	1.399	1.399
VERTICAL SPREAD	3.068	1.606	1.471
EXTREME SPREAD	3.222	1.964	1.862
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.654

VS= 2.399

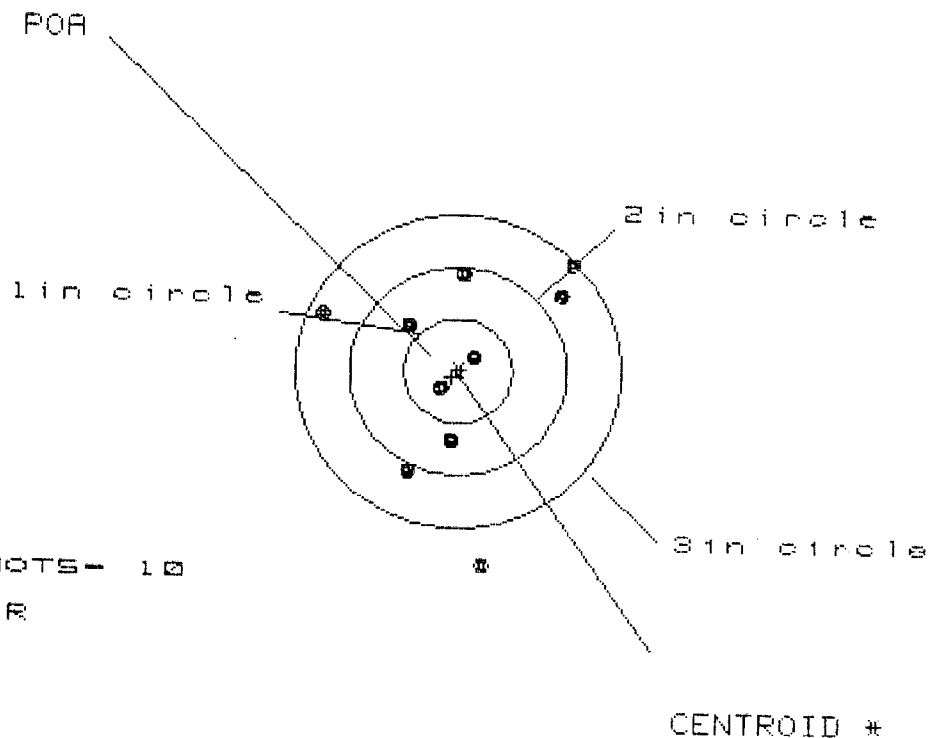
GS= 2.448

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.075	1.106	.677
MINIMUM X	:	-.579	-.548	-.410
MAXIMUM Y	:	1.350	.998	.961
MINIMUM Y	:	-1.049	-.899	-.936
CENTROID X	:	.357	.326	.188
CENTROID Y	:	.061	-.089	-.052
POA TO CENTROID in.	:	.362	.338	.195
MIN RADIUS	:	.224	.372	.350
MEAN RADIUS	:	.758	.696	.627
MAX RADIUS	:	1.378	1.143	1.045
HORIZONTAL SPREAD	:	1.654	1.654	1.087
VERTICAL SPREAD	:	2.399	1.897	1.897
EXTREME SPREAD	:	2.448	2.096	1.932
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.297

VS= 2.872

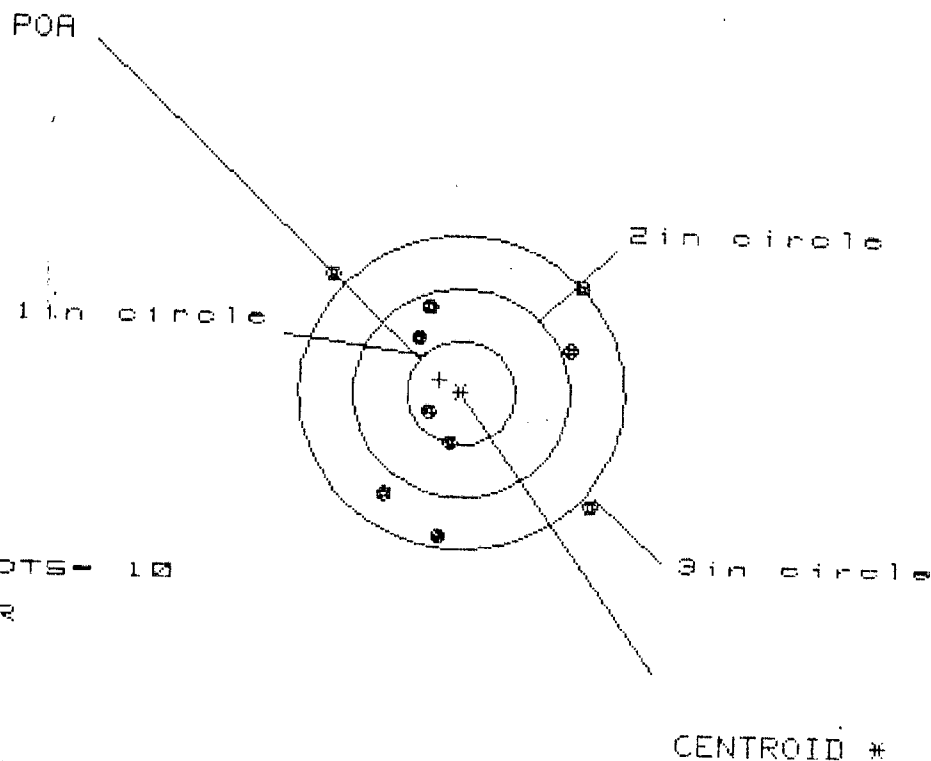
GS= 2.897

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.072	1.096	1.063
MINIMUM X	-1.225	-1.201	-1.065
MAXIMUM Y	1.056	.855	.821
MINIMUM Y	-1.815	-1.196	-1.089
CENTROID X	.058	.034	-.103
CENTROID Y	.058	.260	.153
POA TO CENTROID in.	.083	.262	.184
MIN RADIUS	.202	.224	.287
MEAN RADIUS	.957	.855	.773
MAX RADIUS	1.828	1.390	1.223
HORIZONTAL SPREAD	2.297	2.297	2.128
VERTICAL SPREAD	2.872	2.051	1.910
EXTREME SPREAD	2.997	2.550	2.163
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	3		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649091

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 2.384

VS= 2.503

GS= 3.253

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	1.024	1.093
MINIMUM X	-1.233	-.821	-.693
MAXIMUM Y	1.121	1.173	1.053
MINIMUM Y	-1.382	-1.257	-1.377
CENTROID X	.201	.338	.210
CENTROID Y	-.126	-.251	-.131
POA TO CENTROID in.	.237	.421	.247
MIN RADIUS	.318	.424	.324
MEAN RADIUS	1.080	1.021	.945
MAX RADIUS	1.666	1.519	1.518
HORIZONTAL SPREAD	2.394	1.845	1.786
VERTICAL SPREAD	2.503	2.430	2.430
EXTREME SPREAD	3.253	2.760	2.760
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		