

C6587615

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18381

INITIAL CUSTOMER ORDER NO.

FDC DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN *SCOPE 89-0694*

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/11/94

06/11/94

C6587615

700 7.62

NATO

ACCESSORIES

SLING STRAP

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
ANNISTON AL

36201-5025

CUST NO: 098397 C.O.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

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

REC. ASSY.

B5

D2

WOOD

C1

D3

METAL

C2

E5

F5

MAIN FAULT

PARTS

COMMENTS

Trigger Assy

New Barrel

96043 Scope Dust Cover FRONT

96044 Scope Dust Cover REAR

Front + Rear Sight Assy

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

BARBER - M24 0023813

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587615

DATE 3/9/96

TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.98		2.74	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.92		2.84	
PULL #3	2.94	2.92		2.65	
PULL #4	2.80	3.07		2.64	
PULL #5	2.66	3.07		2.70	
TOTAL	13.48	14.96		13.57	
AVG.	2.696	2.992		2.714	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.34		
PULL #2	3.67	3.55		
PULL #3	3.67	3.55		
PULL #4	3.58	3.59		
PULL #5	3.61	3.69		
TOTAL	18.1	17.72		
AVG.	3.62	3.544		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.50		4.11
PULL #2	4.37	4.50		4.22
PULL #3	4.37	4.53		4.25
PULL #4	4.53	4.42		4.36
PULL #5	4.33	4.36		4.34
TOTAL	21.98	22.31		21.28
AVG.	4.396	4.462		4.256

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587615
5 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	.438658
1 TO	2	.099985
1 TO	3	.184878
1 TO	4	.549598
1 TO	5	.508498

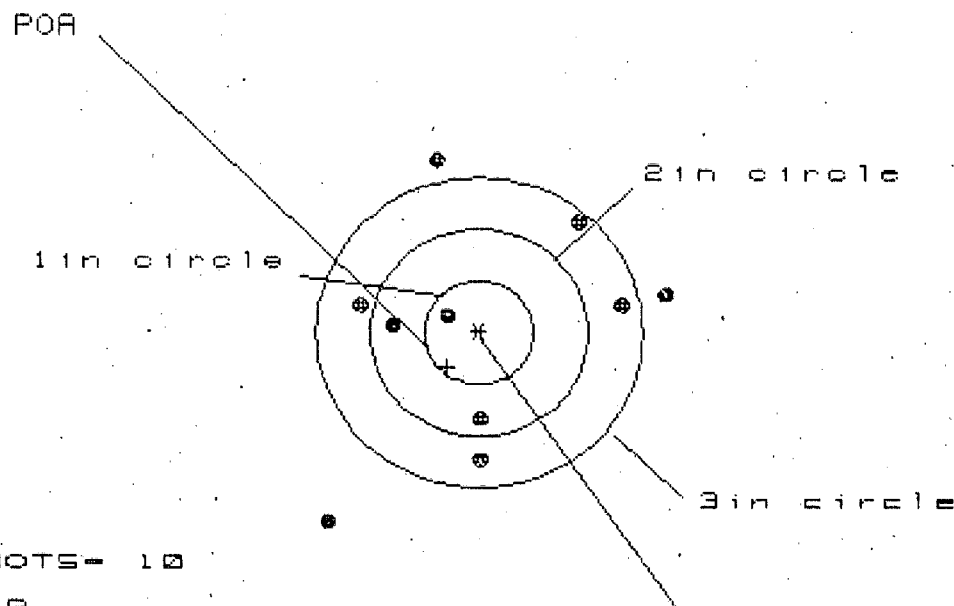
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2756
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .302211
THE AMR FOR THIS RIFLE IS: 1.157

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS= 3.117

VS= 3.514

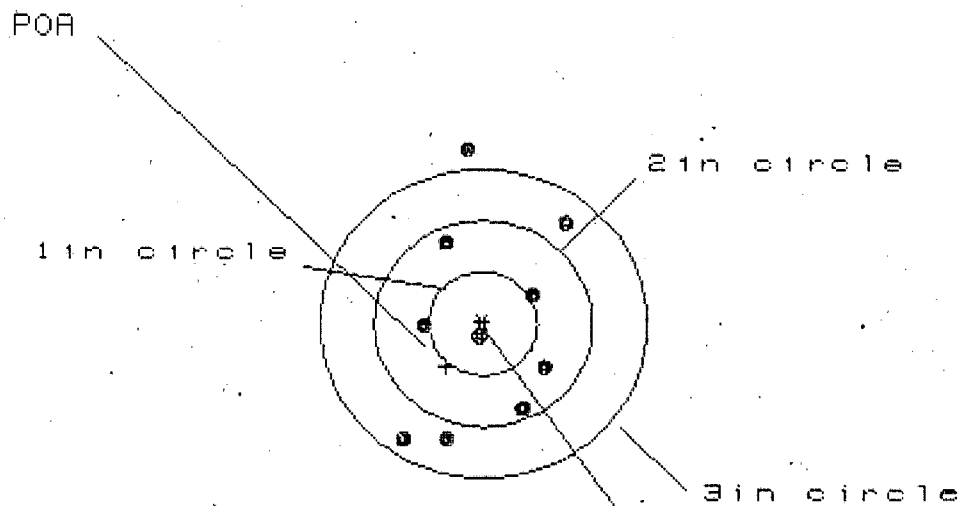
GS= 3.809

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.695	1.537	1.355
MINIMUM X	-1.422	-1.292	-1.100
MAXIMUM Y	1.672	1.467	1.485
MINIMUM Y	-1.842	-1.421	-1.403
CENTROID X	.289	.447	.255
CENTROID Y	.330	.535	.517
POA TO CENTROID in.	.439	.697	.577
MIN RADIUS	.324	.400	.210
MEAN RADIUS	1.291	1.178	1.092
MAX RADIUS	2.327	1.552	1.518
HORIZONTAL SPREAD	3.117	2.829	2.455
VERTICAL SPREAD	3.514	2.888	2.888
EXTREME SPREAD	3.809	2.909	2.909
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.505

VS= 2.800

GS= 2.859

CENTROID *

PATTERN #

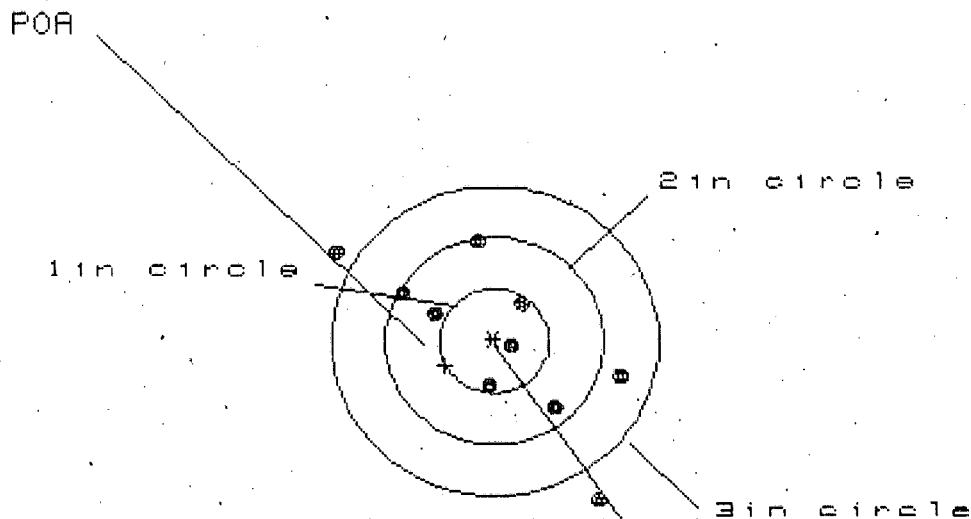
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.741	.729	.632
MINIMUM X	-.764	-.776	-.623
MAXIMUM Y	1.644	1.180	1.060
MINIMUM Y	-1.156	-.973	-1.093
CENTROID X	.340	.352	.449
CENTROID Y	.416	.233	.353
POA TO CENTROID in.	.538	.423	.571
MIN RADIUS	.116	.088	.154
MEAN RADIUS	.903	.802	.744
MAX RADIUS	1.647	1.386	1.234
HORIZONTAL SPREAD	1.505	1.505	1.255
VERTICAL SPREAD	2.800	2.153	2.153
EXTREME SPREAD	2.859	2.613	2.397
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

5 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 5

3 in - 8

HS - 2.584

VS - 2.544

GS - 3.421

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	1.239	1.071
MINIMUM X	-1.455	-1.345	-.950
MAXIMUM Y	1.005	.834	.919
MINIMUM Y	-1.539	-.770	-.685
CENTROID X	.447	.337	.505
CENTROID Y	.234	.405	.320
POA TO CENTROID in.	.505	.527	.598
MIN RADIUS	.104	.272	.095
MEAN RADIUS	.910	.807	.692
MAX RADIUS	1.831	1.508	1.136
HORIZONTAL SPREAD	2.584	2.584	2.021
VERTICAL SPREAD	2.544	1.604	1.604
EXTREME SPREAD	3.421	2.827	2.161
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.264

VS = 2.986

GS = 3.282

CENTROID *

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

8

1.410

-1.742

.805

-.806

.338

-.426

.544

.476

1.035

1.752

3.152

1.611

3.155

1

3

6

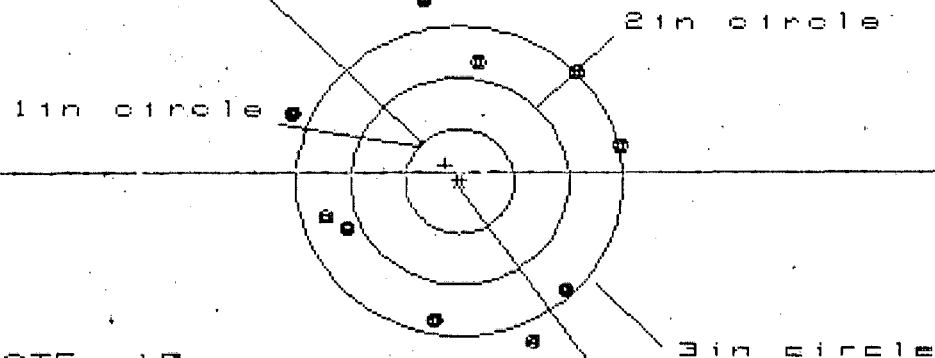
5 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 0

3in = 6

HS- 2.999

VS= 3.281

GS= 3.439

CENTROID #

PATTERN

SHOTS (BEST OF)

MAXIMUM X	1.511
MINIMUM X	-1.488
MAXIMUM Y	1.125
MINIMUM Y	-1.372
CENTROID X	.087
CENTROID Y	-.175
POA TO CENTROID in.	.195
MIN RADIUS	1.134
MEAN RADIUS	1.374
MAX RADIUS	1.624
HORIZONTAL SPREAD	2.999
VERTICAL SPREAD	2.497
EXTREME SPREAD	3.016
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	0
NUMBER IN THREE INCH CIRCLE	6

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *6587615*

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. #	BARBER - M24 0023822 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/4/96	JW
	G) Safety Off Force	4	4	4			5/4/96	JW
	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	2.43	2.59	2.64	2.64	2.70	5/4/96	JW
	C) Function							
660	Pack							

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6587615
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716
 5716 C6587615		

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587615

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9 90		RW
600	Proof	10 9 90		RW
607	Check Headspace	10 9 90		RW
610	Dis-assemble Gun	10 9 90		RW
612	Magnaflux Barrel Action		10/11/90	KR
	Magnaflux Bolt		10/11/90	KR
615	Rollmark Caliber		10/11/90	JS
617	Drill and Tap Sight Holes		10/11/90	WB
618	Polish Barrel <i>WB</i>		10/11/90	WB
620	Apply Coatings (Barrel Action)		10-18-90	JS
	Apply Coating (Bolt)		10-18-90	JS
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/25/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/5/90	WB
	G) Safety Off Force	2	2	2			11/5/90	WB
	H) Trigger Pull Test & Retainability						11/5/90	JM
	I) Firing Pin Indent	.0815	.021	.021			11/5/90	WB
	J) Assemble Stock						11/5/90	RW
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/5/90	RW
	M) Iron Sight Alignment						11/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/5/90	RW
	O) Attach Scope to Rifle						11/5/90	RW
	P) Detach & Attach Scope 20 Times						11/5/90	RW
640	Gallery Target & Test						11-7-90	AC
	A) Time						11-7-90	AC
	B) Malfunctions						11-7-90	AC
	C) Pierced Primers						11-7-90	AC
	D) Optical Clarity of Scope						11-7-90	AC
645	Inspect for Live Ammo						11-7-90	AC
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	237	230	231	233	234	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/19/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587615

DATE 11-5-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.39	2.39	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.34	2.31	2.30	
PULL #3	2.41	2.38	2.34	2.31	
PULL #4	2.42	2.37	2.34	2.33	
PULL #5	2.36	2.39	2.38	2.34	
TOTAL	12.06	11.87	11.82		
AVG.	2.412	2.374	2.364		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.23		
PULL #2	3.27	3.26		
PULL #3	3.33	3.23		
PULL #4	3.13	3.19		
PULL #5	3.29	3.30		
TOTAL	16.29	16.19		
AVG.	3.258	3.238		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.16		4.39
PULL #2	4.31	4.31		4.22
PULL #3	4.31	4.27		4.32
PULL #4	4.31	4.24		4.20
PULL #5	4.27	4.33		4.17
TOTAL	21.31	21.31		21.3
AVG.	4.262	4.262		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587615
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.294061
1 TO	2	.337214
1 TO	3	.531738
1 TO	4	.497639
1 TO	5	.32482

34.5 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0136
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0211518
THE AMR FOR THIS RIFLE IS: .751

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587615

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 3.031

VS= 1.416

GS= 3.033

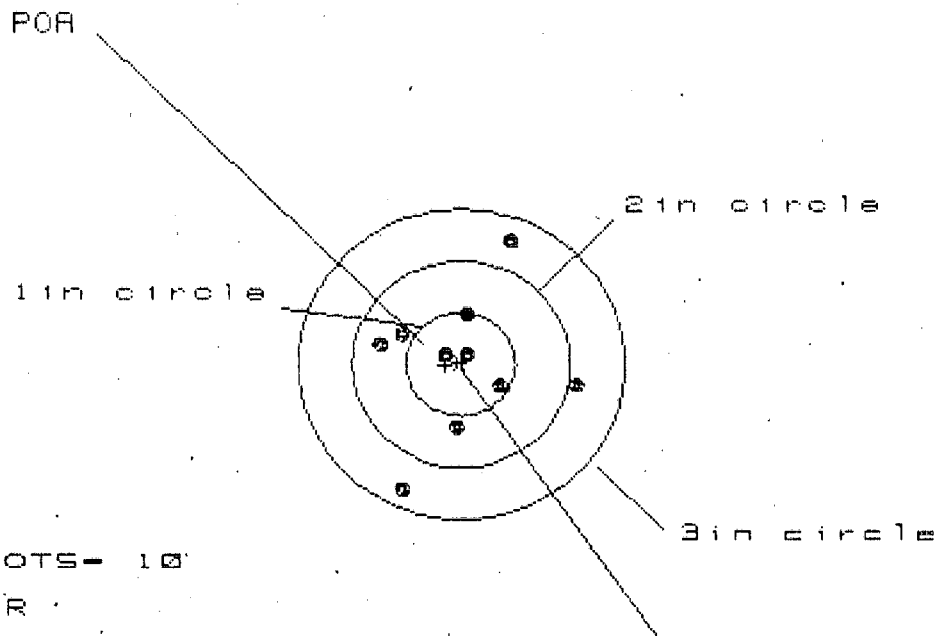
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.430	1.252	.988
MINIMUM X	-1.601	-1.410	-1.253
MAXIMUM Y	.731	.695	.662
MINIMUM Y	-.685	-.721	-.754
CENTROID X	-.006	.172	.015
CENTROID Y	-.294	-.258	-.225
POA TO CENTROID in.	.294	.310	.226
MIN RADIUS	.425	.318	.446
MEAN RADIUS	.956	.841	.806
MAX RADIUS	1.633	1.583	1.462
HORIZONTAL SPREAD	3.031	2.662	2.241
VERTICAL SPREAD	1.416	1.416	1.416
EXTREME SPREAD	3.033	2.701	2.476
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 1.012

VS = 2.380

GS = 2.580

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.026

.968

1.022

MINIMUM X

-.786

-.844

-.790

MAXIMUM Y

1.191

1.059

.465

MINIMUM Y

-1.189

-.766

-.633

CENTROID X

.142

.200

.146

CENTROID Y

.009

.141

.008

POA TO CENTROID in.

.142

.244

.146

MIN. RADIUS

.116

.072

.113

MEAN RADIUS

.683

.606

.531

MAX RADIUS

1.296

1.143

1.050

HORIZONTAL SPREAD

1.812

1.812

1.812

VERTICAL SPREAD

2.380

1.825

1.098

EXTREME SPREAD

2.583

1.893

1.859

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

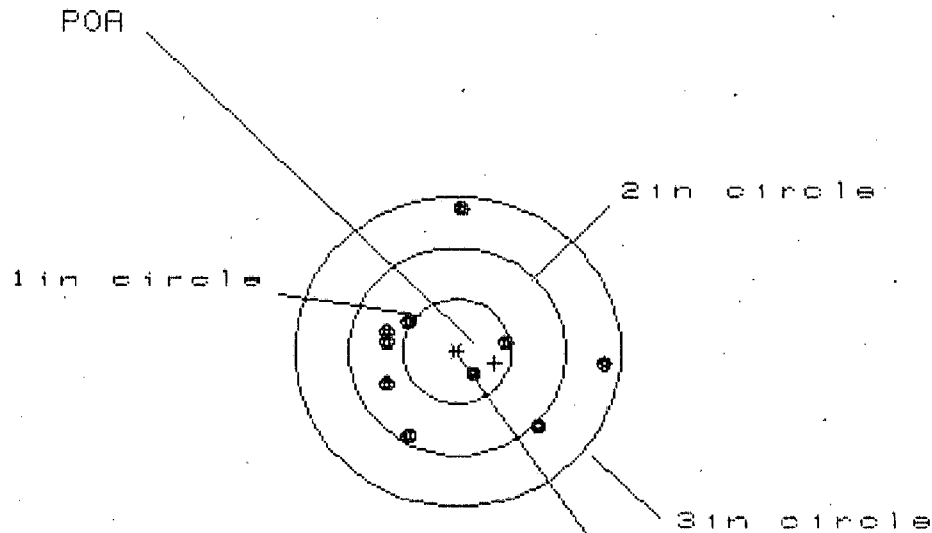
NUMBER IN THREE INCH CIRCLE =

10

7 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.012

VS= 2.196

GS= 2.251

CENTROID *

PATTERN #

3

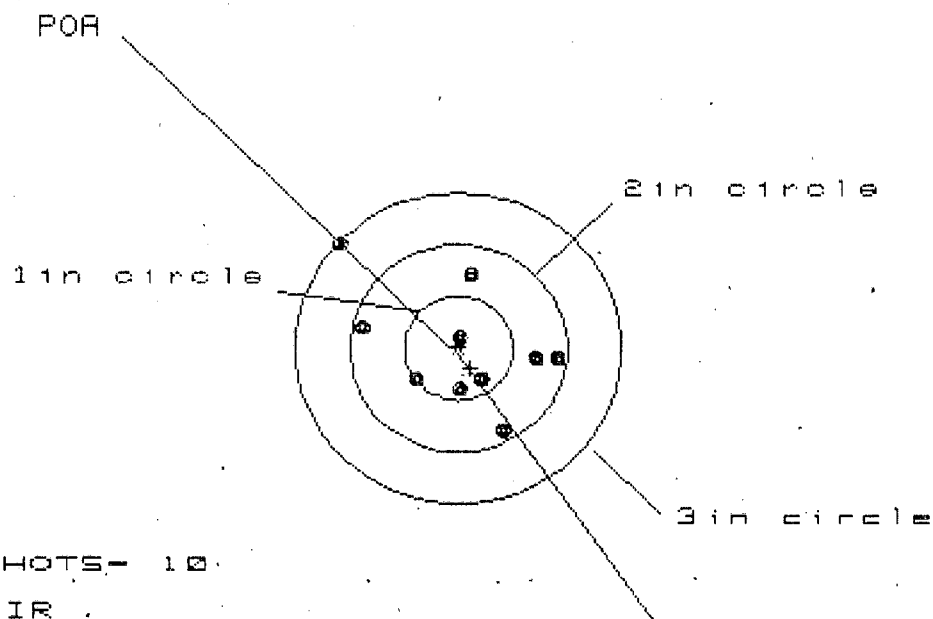
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.362	1.369	.969
MINIMUM X	-.650	-.643	-.472
MAXIMUM Y	1.428	.489	.496
MINIMUM Y	-.768	-.609	-.602
CENTROID X	-.347	-.354	-.525
CENTROID Y	.114	-.045	-.052
POA TO CENTROID in.	.365	.357	.527
MIN RADIUS	.289	.173	.327
MEAN RADIUS	.807	.721	.614
MAX RADIUS	1.429	1.370	1.091
HORIZONTAL SPREAD	2.012	2.012	1.441
VERTICAL SPREAD	2.196	1.098	1.098
EXTREME SPREAD	2.251	2.021	1.648
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.999

VS= 1.840

GS= 2.315

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.960	.845	.714
MINIMUM X	-1.039	-1.016	-.911
MAXIMUM Y	1.015	.772	.771
MINIMUM Y	-.825	-.712	-.713
CENTROID X	-.113	.002	-.103
CENTROID Y	.192	.079	.080
POA TO CENTROID in.	.223	.079	.131
MIN RADIUS	.139	.181	.250
MEAN RADIUS	.700	.594	.559
MAX RADIUS	1.453	1.053	.951
HORIZONTAL SPREAD	1.999	1.861	1.625
VERTICAL SPREAD	1.840	1.484	1.484
EXTREME SPREAD	2.315	1.883	1.645
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587615

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.363

VS= 2.159

GS= 2.285

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.772

.827

.802

MINIMUM X

-.591

-.536

-.561

MAXIMUM Y

1.121

1.006

.568

MINIMUM Y

-1.038

-.682

-.557

CENTROID X

.256

.201

.226

CENTROID Y

-.102

.013

-.112

POA TO CENTROID in.

.276

.202

.253

MIN RADIUS

.288

.180

.279

MEAN RADIUS

.609

.537

.469

MAX RADIUS

1.150

1.025

.808

HORIZONTAL SPREAD

1.363

1.363

1.363

VERTICAL SPREAD

2.159

1.688

1.125

EXTREME SPREAD

2.285

1.707

1.369

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10