

C6587609

MODEL 700™ M24

Model **SMS**

™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®]


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

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

MODEL 700TM M24

SERIAL NO.
C6587609

ORDER NO.
5716

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

01


5716 C6587609

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587609

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/27/90	KA
600	Proof		10/27/90	KA
607	Check Headspace		10/27/90	KA
610	Dis-assemble Gun		10/27/90	KA
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LS
617	Drill and Tap Sight Holes		10/31/90	KB
618	Polish Barrel <i>KB</i>		10/30/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)		11-7-90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		11/1/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/1/90	KS
	C) Inspect Ejector Hole for Chamfer		11/1/90	KS
	D) Oil Firing Pin Ass'y		11/1/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-12-90	GL

op. #	BARBER AM24 0023680	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			11/13/90	KS
	G) Safety Off Force	23/4	3.0	23/4			11/12/90	KS
	H) Trigger Pull Test & Retainability						11-12-90	JS
	I) Firing Pin Indent	.022	.022	.022			11/12/90	JS
	J) Assemble Stock						11/14/90	KS
	K) Assemble Swivel Studs						11-20-90	JS
	L) Attach Front and Rear Sight Assemblies						11/14/90	KS
	M) Iron Sight Alignment						11/14/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	KS
	O) Attach Scope to Rifle						11/14/90	KS
	P) Detach & Attach Scope 20 Times						11/14/90	KS
640	Gallery Target & Test						11-21-90	DH
	A) Time						11-21-90	DH
	B) Malfunctions						11-21-90	DH
	C) Pierced Primers						11-21-90	DH
	D) Optical Clarity of Scope						11-21-90	DH
645	Inspect for Live Ammo						11-21-90	DH
655	Final Inspection							
	A) Headspace						11-20-90	JS
	B) Trigger Pull	2.39	2.38	2.44	2.41	2.49	11-20-90	JS
	C) Function						11-20-90	JS
660	Pack						12-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06587609DATE 11-12-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.39	2.42	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.50	2.28	2.38	
PULL #3	2.34	2.23	2.46	2.44	
PULL #4	2.43	2.17	2.36	2.41	
PULL #5	2.49	2.21	2.25	2.49	
TOTAL	11.90	11.50	11.79		
AVG.	2.38	2.3	2.354		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.34		
PULL #2	3.41	3.50		
PULL #3	3.34	3.48		
PULL #4	3.46	3.43		
PULL #5	3.39	3.38		
TOTAL	17.09	17.13		
AVG.	3.418	3.426		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.19		4.32
PULL #2	4.47	4.32		4.23
PULL #3	4.30	4.34		4.20
PULL #4	4.42	4.35		4.28
PULL #5	4.40	4.32		4.19
TOTAL	21.90	21.52		21.22
AVG.	4.38	4.304		4.244

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587609
26 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.449515
1 TO	2	.348501
1 TO	3	.30678
1 TO	4	.407638
1 TO	5	.653911

←----POB

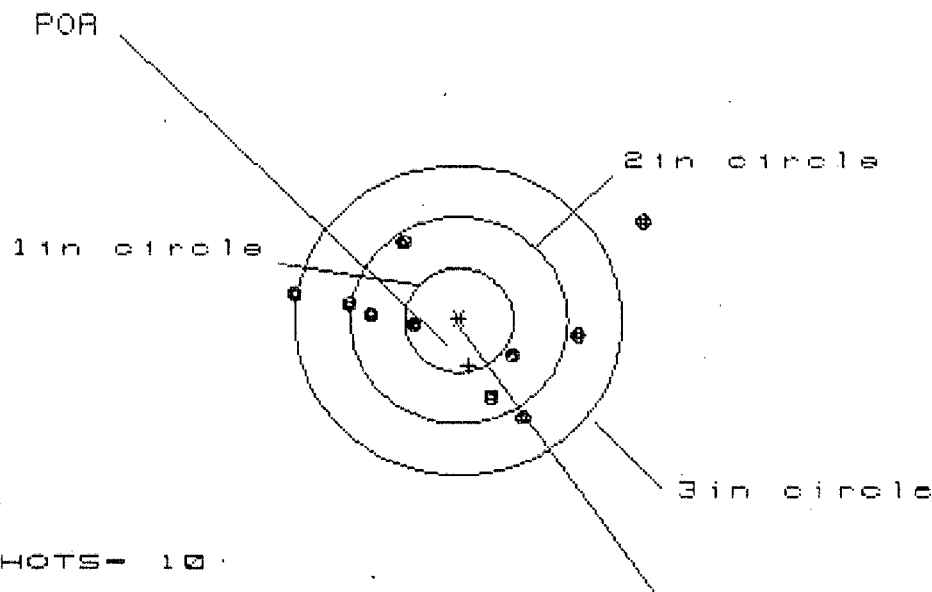
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0298
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1058
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .109917

THE AMR FOR THIS RIFLE IS: .894

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587689

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 3.241

VS = 1.941

GS = 3.319

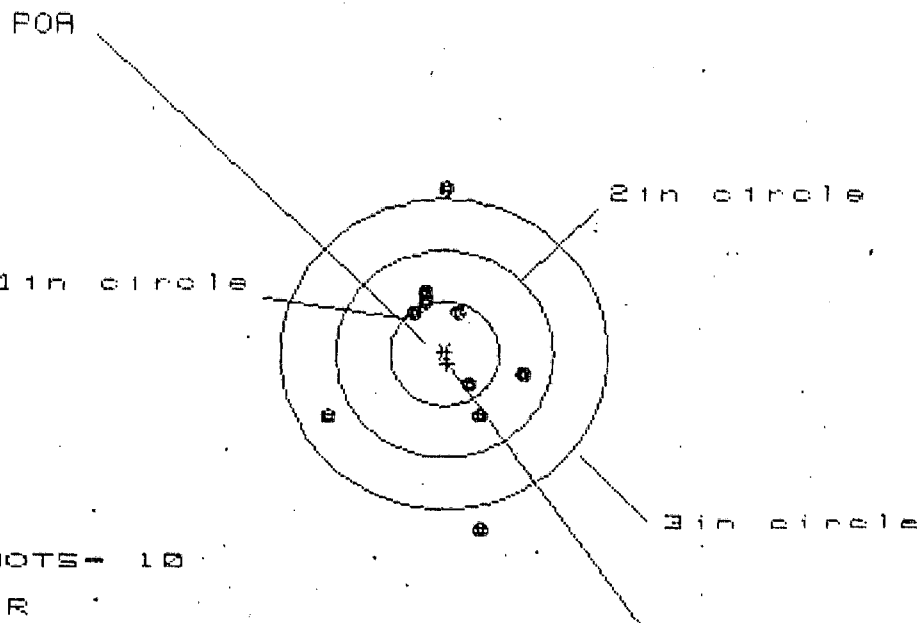
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.738	1.316	1.152
MINIMUM X	-1.503	-1.309	-1.016
MAXIMUM Y	.955	.885	.929
MINIMUM Y	-.986	-.880	-.836
CENTROID X	-.092	-.286	-.122
CENTROID Y	.440	.334	.290
POA TO CENTROID in.	.449	.439	.315
MIN RADIUS	.371	.175	.344
MEAN RADIUS	1.027	.882	.825
MAX RADIUS	1.984	1.354	1.153
HORIZONTAL SPREAD	3.241	2.625	2.168
VERTICAL SPREAD	1.941	1.765	1.765
EXTREME SPREAD	3.319	2.646	2.189
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

26 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587689

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.835

VS= 3.296

GS= 3.308

CENTROID #

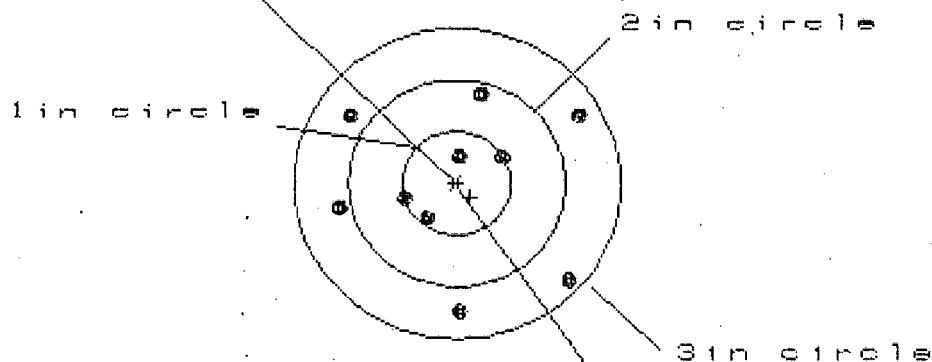
PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.745
MINIMUM X	-1.090
MAXIMUM Y	1.590
MINIMUM Y	-1.706
CENTROID X	-.025
CENTROID Y	.098
POA TO CENTROID in.	.101
MIN RADIUS	.369
MEAN RADIUS	.847
MAX RADIUS	1.735
HORIZONTAL SPREAD	1.835
VERTICAL SPREAD	3.296
EXTREME SPREAD	3.308
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587689

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.184

VS = 2.070

GS = 2.536

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.259	.657
MINIMUM X	-1.037	-.925	-.768
MAXIMUM Y	.877	.778	.847
MINIMUM Y	-1.193	-1.292	-1.223
CENTROID X	-.125	-.237	-.394
CENTROID Y	.135	.234	.165
POA TO CENTROID in.	.184	.333	.427
MIN RADIUS	.238	.191	.297
MEAN RADIUS	.872	.802	.720
MAX RADIUS	1.343	1.374	1.251
HORIZONTAL SPREAD	2.184	2.184	1.425
VERTICAL SPREAD	2.070	2.070	2.070
EXTREME SPREAD	2.536	2.339	2.131
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587609

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.708

VS= 1.856

GS= 2.165

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.761	.670	.742
MINIMUM X	-.947	-.862	-.790
MAXIMUM Y	.938	.836	.704
MINIMUM Y	-.918	-.947	-.842
CENTROID X	.033	-.052	-.124
CENTROID Y	.052	.154	.049
POA TO CENTROID in.	.061	.162	.133
MIN RADIUS	.264	.367	.287
MEAN RADIUS	.823	.773	.734
MAX RADIUS	1.192	1.018	.954
HORIZONTAL SPREAD	1.708	1.532	1.532
VERTICAL SPREAD	1.856	1.783	1.546
EXTREME SPREAD	2.165	1.863	1.768
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587689

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 9

IS = 1.820

VS = 2.706

GS = 2.832

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.750

.402

.278

MINIMUM X

-1.070

-.986

-.595

MAXIMUM Y

1.253

1.092

.988

MINIMUM Y

-1.453

-1.039

-1.143

CENTROID X

.060

-.024

.100

CENTROID Y

-.196

-.035

.069

POA TO CENTROID in.

.205

.042

.121

MIN RADIUS

.241

.189

.284

MEAN RADIUS

.901

.808

.726

MAX RADIUS

1.635

1.290

1.299

HORIZONTAL SPREAD

1.820

1.388

.873

VERTICAL SPREAD

2.706

2.131

2.131

EXTREME SPREAD

2.832

2.267

2.207

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

9

BARBER - M24 0023688 REPAIRING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18355

INITIAL CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834

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

Scope # 90-0006

DATE RECEIVED DATE OPENED DATE CODE
06/11/94 06/11/94

SERIAL NUMBER
C6587609

NEW SERIAL NUMBER

MODEL AND GRADE
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.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

PARTS	COMMENTS
✓ Barrel 643.42	
✓ Stock 471.11	
Trigger Assy 173.31	
✓ Firing pin Assy 9.96	
✓ Mag Bbx 2.06	
✓ Mag follower 6.12	
Mag Spring 1.90	
Bolt Release Stop 1.10	
CTI 50.00	
1358.78	
REPAIRMAN	PROOF
CLEAN	TEST
TARGET	PATTERN
GALLERY TESTER	DATE
DATE	DATE
1/23/96	1/23/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0023688 23727

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587609

DATE 11-8-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.61	2.66	2.72	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.71	2.71	
PULL #3	2.61	2.60	2.77	
PULL #4	2.55	2.65	2.74	
PULL #5	2.56	2.65	2.72	
TOTAL	12.94	13.27	13.66	
AVG.	2.58	2.65	2.73	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.03	3.17	
PULL #2	3.17	3.18	
PULL #3	3.13	3.19	
PULL #4	3.11	3.22	
PULL #5	3.11	3.14	
TOTAL	15.55	15.90	
AVG.	3.11	3.18	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.13		4.06
PULL #2	4.07	4.09		4.01
PULL #3	4.13	4.13		4.00
PULL #4	4.16	4.14		4.08
PULL #5	4.14	4.12		4.09
TOTAL	20.63	20.61		20.24
AVG.	4.12	4.12		4.04

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587609

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
500	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 0023691		READINGS					DATE	INIT
	OP. NAME								
625 cont.	F) Safety On Force		5 1/2	5	5 1/4			1/25/96	WB
	G) Safety Off Force		3	3	3 1/2			1/25/96	WB
	H) Trigger Pull Test & Retainability								
	I) Firing Pin Indent		.022	.0205	.021			1/25/96	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							1/22/96	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		2.61	2.57	2.54	2.52	2.54	1/25/96	WB
	C) Function								
660	Pack								

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587609
1 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.16312
1 TO	2	.351525
1 TO	3	.518386
1 TO	4	.467077
1 TO	5	.284763

+

+ (----POR

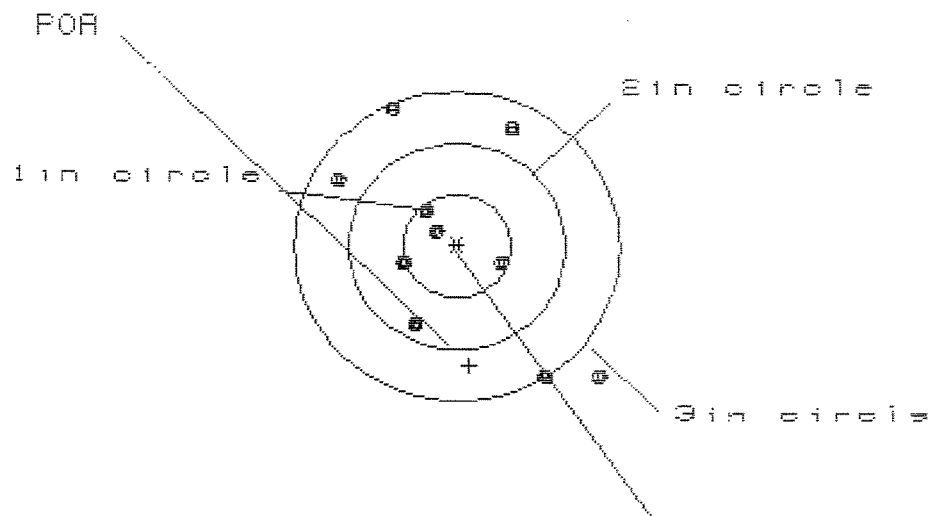
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0332
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.3708
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.3712

THE AMR FOR THIS RIFLE IS: .9824

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PAT/C8587689

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 9

HS = 2.408

VS = 2.671

GS = 3.267

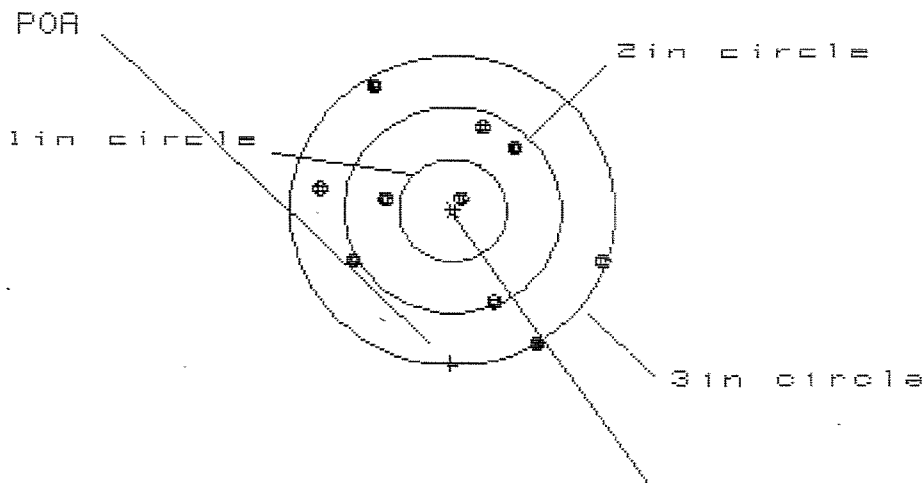
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.309	.961	.753
MINIMUM X	-1.099	-.954	-.834
MAXIMUM Y	1.367	1.223	1.048
MINIMUM Y	-1.304	-1.398	-1.055
CENTROID X	-.109	-.254	-.374
CENTROID Y	1.158	1.302	1.477
POA TO CENTROID in.	1.163	1.327	1.524
MIN RADIUS	.175	.053	.023
MEAN RADIUS	.979	.844	.733
MAX RADIUS	1.847	1.697	1.150
HORIZONTAL SPREAD	2.408	1.915	1.587
VERTICAL SPREAD	2.671	2.621	2.103
EXTREME SPREAD	3.267	2.966	2.122
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587683

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

CENTROID *

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.578

VS= 2.491

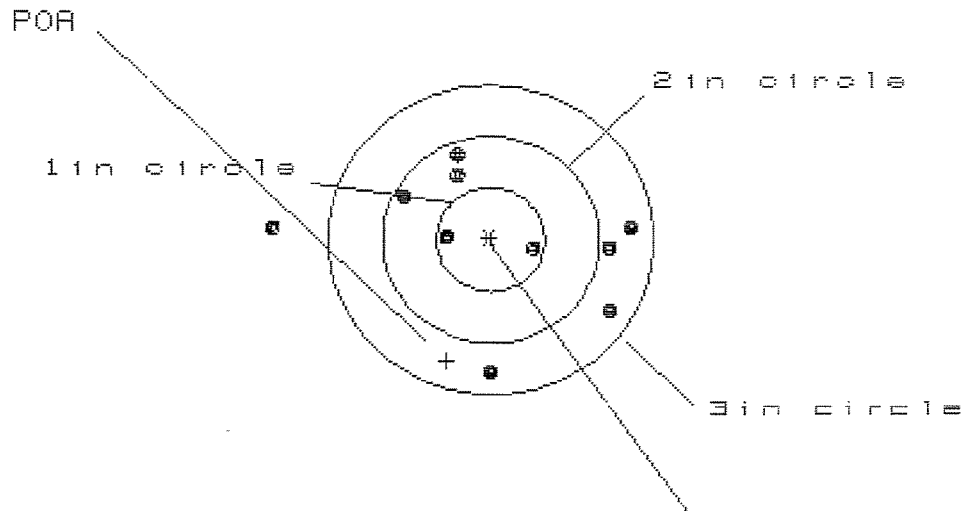
GS= 2.864

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.377	.894	.827
MINIMUM X	:	-1.200	-1.047	-.936
MAXIMUM Y	:	1.227	1.172	1.007
MINIMUM Y	:	-1.264	-1.319	-1.119
CENTROID X	:	.020	-.133	-.244
CENTROID Y	:	1.485	1.540	1.705
POA TO CENTROID in.	:	1.485	1.546	1.722
MIN RADIUS	:	.181	.265	.362
MEAN RADIUS	:	1.010	.946	.846
MAX RADIUS	:	1.465	1.593	1.306
HORIZONTAL SPREAD	:	2.578	1.941	1.763
VERTICAL SPREAD	:	2.491	2.491	2.126
EXTREME SPREAD	:	2.864	2.864	2.385
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587689

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 3.350

VS= 2.143

GS= 3.350

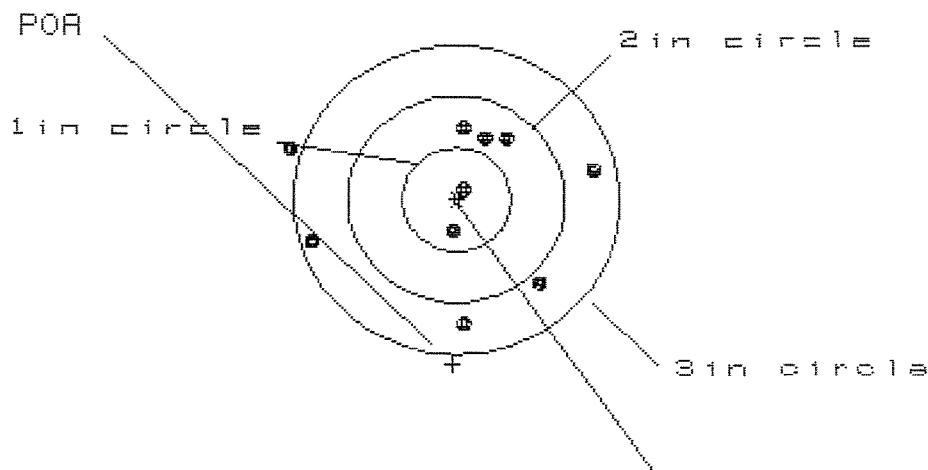
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.321	1.096	1.012
MINIMUM X	:	-2.029	-1.034	-.897
MAXIMUM Y	:	.867	.882	.896
MINIMUM Y	:	-1.276	-1.261	-1.247
CENTROID X	:	.409	.634	.497
CENTROID Y	:	1.178	1.163	1.149
POA TO CENTROID in.	:	1.247	1.325	1.252
MIN RADIUS	:	.409	.209	.333
MEAN RADIUS	:	1.039	.909	.880
MAX RADIUS	:	2.033	1.275	1.248
HORIZONTAL SPREAD	:	3.350	2.130	1.909
VERTICAL SPREAD	:	2.143	2.143	2.143
EXTREME SPREAD	:	3.350	2.225	2.225
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG587689

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.767

VS= 1.924

GS= 2.772

CENTROID *

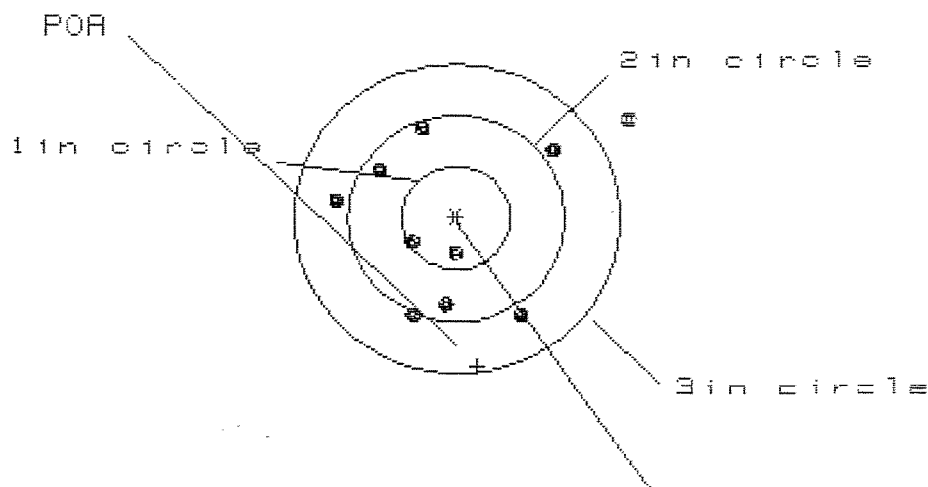
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	1.098	.908
MINIMUM X	-1.582	-1.518	-.427
MAXIMUM Y	.734	.784	.742
MINIMUM Y	-1.190	-1.140	-1.182
CENTROID X	.036	.203	.393
CENTROID Y	1.602	1.552	1.594
POR TO CENTROID in.	1.603	1.565	1.642
MIN RADIUS	.075	.178	.332
MEAN RADIUS	.919	.842	.752
MAX RADIUS	1.570	1.556	1.213
HORIZONTAL SPREAD	2.767	2.616	1.335
VERTICAL SPREAD	1.924	1.924	1.924
EXTREME SPREAD	2.772	2.703	1.925
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6507005

CENTERFIRE PATTERNS

5



OF SHOTS= 10

CENTROID *

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.734

VS= 1.957

GS= 2.848

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.605	1.021	.902
MINIMUM X	-1.129	-.951	-.668
MAXIMUM Y	1.013	1.026	1.067
MINIMUM Y	-.944	-.832	-.791
CENTROID X	-.190	-.368	-.249
CENTROID Y	1.431	1.319	1.278
POA TO CENTROID in.	1.444	1.369	1.302
MIN RADIUS	.318	.254	.181
MEAN RADIUS	.965	.815	.734
MAX RADIUS	1.898	1.264	1.197
HORIZONTAL SPREAD	2.734	1.972	1.570
VERTICAL SPREAD	1.957	1.858	1.858
EXTREME SPREAD	2.848	2.025	2.006
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	