

C6587710

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400025696

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON




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

MODEL 700™ H24

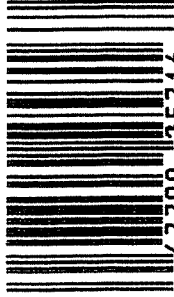
SERIAL NO.
C6587710

ORDER NO.
5716

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

01

UPC



0 47700 25716 7



5716 C6587710

ET-PIN OK

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587710

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/18/90	KJ
600	Proof		10/18/90	KJ
607	Check Headspace		10/18/90	KJ
610	Dis-assemble Gun		10/18/90	KJ
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	LS
617	Drill and Tap Sight Holes		10/23/90	FB
618	Polish Barrel <i>RIB</i>		10/24/90	WB
620	Apply Coatings (Barrel Action)		11/10/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/5/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/5/90	KS
	C) Inspect Ejector Hole for Chamfer		12/5/90	KS
	D) Oil Firing Pin Ass'y		12/5/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/6/90	JY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4				
	G) Safety Off Force	3 1/4	3 1/4	3 1/4				
	H) Trigger Pull Test & Retainability						12/6/90	JH
	I) Firing Pin Indent	.0205	.021	.021				
	J) Assemble Stock						12/4/90	KA
	K) Assemble Swivel Studs						12-8-90	JS
	L) Attach Front and Rear Sight Assemblies						12/6/90	KA
	M) Iron Sight Alignment						12/6/90	KA
	N) Detach Front & Rear Sights & place in numbered container						12/6/90	KA
	O) Attach Scope to Rifle						12/6/90	KA
	P) Detach & Attach Scope 20 Times						12/6/90	KA
640	Gallery Target & Test						12-7-90	DH
	A) Time						12-7-90	DH
	B) Malfunctions						12-7-90	DH
	C) Pierced Primers						12-7-90	DH
	D) Optical Clarity of Scope						12-7-90	DH
645	Inspect for Live Ammo						12-7-90	DH
655	Final Inspection							
	A) Headspace						12-8-90	JS
	B) Trigger Pull	254	267	273	274	268	12-8-90	JS
	C) Function						12-8-90	JS
660	Pack						12-19-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587710
DATE 12/6/90
TESTER SH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.20	2.32	254	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.27	2.24	267	
PULL #3	2.24	2.36	2.31	273	
PULL #4	2.18	2.25	2.31	274	
PULL #5	2.26	2.21	2.36	268	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.29		
PULL #2	3.20	3.33		
PULL #3	3.22	3.28		
PULL #4	3.28	3.30		
PULL #5	3.34	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.33		4.29
PULL #2	4.23	4.33		4.32
PULL #3	4.13	4.28		4.31
PULL #4	4.11	4.31		4.33
PULL #5	4.31	4.31		4.18
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587710
7 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.395127
1 TO	2	.460721
1 TO	3	.496614
1 TO	4	.475825
1 TO	5	.735503

1
5 392 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0204
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.006
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0212641
THE AMR FOR THIS RIFLE IS: .0892

7 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8587710

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 8

HS= 3.714

VS= 1.176

GS= 3.784

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.121	1.149	.979
MINIMUM X	:	-1.593	-1.357	-.782
MAXIMUM Y	:	.550	.517	.567
MINIMUM Y	:	-.626	-.659	-.609
CENTROID X	:	.101	-.135	.035
CENTROID Y	:	-.382	-.349	-.399
POA TO CENTROID in.	:	.395	.375	.401
MIN RADIUS	:	.250	.220	.194
MEAN RADIUS	:	.889	.733	.628
MAX RADIUS	:	2.141	1.414	1.059
HORIZONTAL SPREAD	:	3.714	2.506	1.761
VERTICAL SPREAD	:	1.176	1.176	1.176
EXTREME SPREAD	:	3.784	2.506	1.806
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587710

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.042

VS = 2.381

GS = 2.756

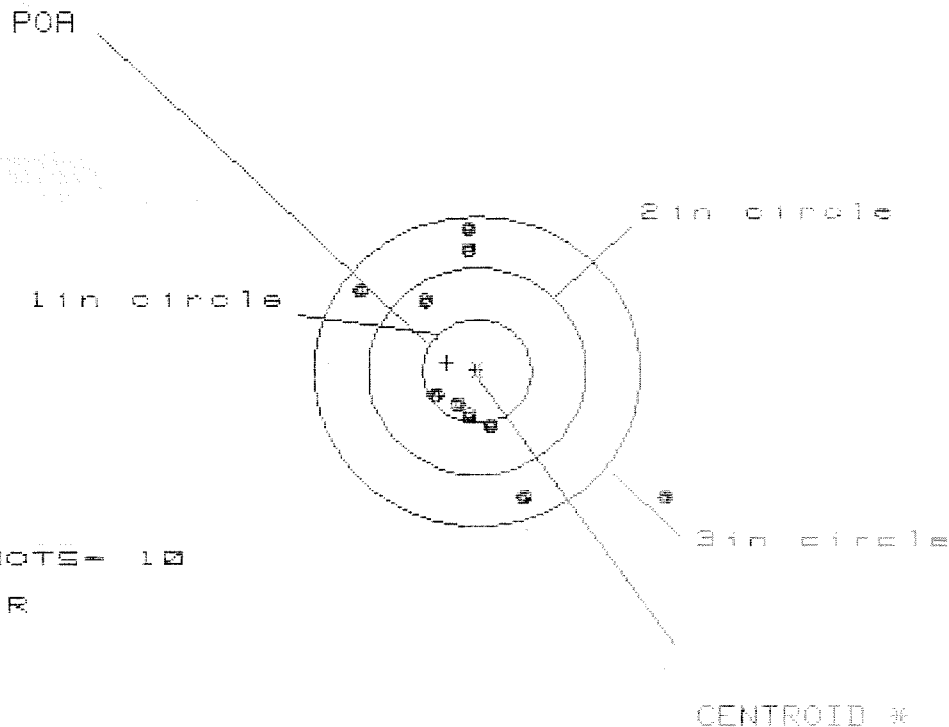
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.931	.983	1.003
MINIMUM X	:	-1.111	-1.008	-.988
MAXIMUM Y	:	.994	.851	.659
MINIMUM Y	:	-1.387	-1.530	-.535
CENTROID X	:	-.029	-.132	-.152
CENTROID Y	:	-.060	.083	.275
POA TO CENTROID in.	:	.067	.156	.314
MIN RADIUS	:	.376	.314	.430
MEAN RADIUS	:	.927	.821	.708
MAX RADIUS	:	1.592	1.539	1.107
HORIZONTAL SPREAD	:	2.042	1.991	1.991
VERTICAL SPREAD	:	2.381	2.381	1.194
EXTREME SPREAD	:	2.756	2.473	2.029
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587710

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.8007

VS = 2.612

GS = 3.430

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.715	.598	.618
MINIMUM X	:	-1.092	-.901	-.881
MAXIMUM Y	:	1.391	1.256	1.174
MINIMUM Y	:	-1.221	-1.325	-1.168
CENTROID X	:	.278	.087	.067
CENTROID Y	:	-.082	.053	-.104
POA TO CENTROID in.	:	.290	.102	.124
MIN RADIUS	:	.380	.374	.229
MEAN RADIUS	:	.982	.845	.751
MAX RADIUS	:	2.105	1.454	1.322
HORIZONTAL SPREAD	:	2.807	1.499	1.499
VERTICAL SPREAD	:	2.612	2.581	2.342
EXTREME SPREAD	:	3.430	2.618	2.452
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

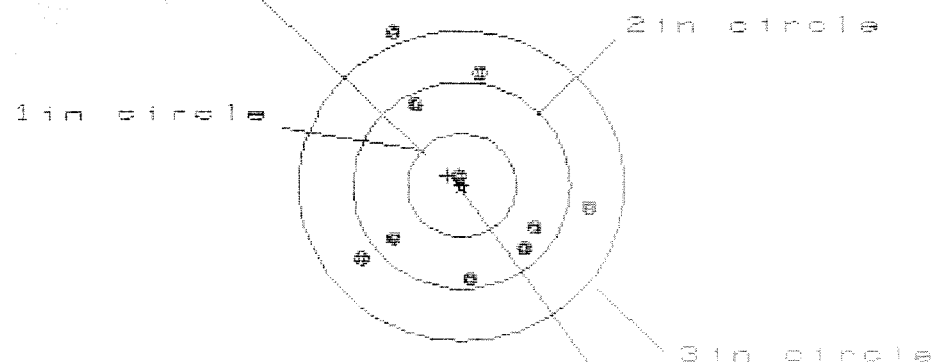
7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587710

CENTERFIRE PATTERNS

4

FOR



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.049

VS= 2.388

GS= 2.488

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.128	1.060	.936
MINIMUM X	:	-.921	-.989	-.820
MAXIMUM Y	:	1.457	1.258	1.186
MINIMUM Y	:	-.931	-.769	-.841
CENTROID X	:	.129	.197	.321
CENTROID Y	:	-.093	-.255	-.184
FOR TO CENTROID in.	:	.159	.322	.370
MIN RADIUS	:	.063	.234	.242
MEAN RADIUS	:	.930	.844	.800
MAX RADIUS	:	1.581	1.265	1.187
HORIZONTAL SPREAD	:	2.049	2.049	1.756
VERTICAL SPREAD	:	2.388	2.027	2.027
EXTREME SPREAD	:	2.488	2.146	2.030
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CH587710

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.731

VS= 2.082

CS= 2.234

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.058	1.006	.912
MINIMUM X	-.673	-.725	-.599
MAXIMUM Y	.608	.445	.444
MINIMUM Y	-1.474	-.383	-.384
CENTROID X	-.377	-.325	-.451
CENTROID Y	-.177	-.014	-.013
POA TO CENTROID in.	.417	.326	.451
MIN RADIUS	.315	.169	.158
MEAN RADIUS	.718	.592	.510
MAX RADIUS	1.546	1.006	.989
HORIZONTAL SPREAD	1.731	1.731	1.511
VERTICAL SPREAD	2.082	.828	.828
EXTREME SPREAD	2.234	1.731	1.551
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18353

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

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

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

SERIAL NUMBER C6587710

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 CJO.DL

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 \$643.45
✓ Stock 471.11
✓ Trigger Assy 173.31
✓ Front Sight Assy 56.75
✓ Rear Sight Assy 231.01
C.Y.I. 50.00
1635.60

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

M2400025707

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587710

DATE 2-27-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.86	2.81	2.76		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.70	2.74		
PULL #3	2.90	2.80	2.64		
PULL #4	2.90	2.88	2.69		
PULL #5	2.87	2.77	2.69		
TOTAL	14.32	13.96	13.52		
AVG.	2.86	2.79	2.70		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.09		
PULL #2	3.10	3.03		
PULL #3	3.00	3.12		
PULL #4	3.17	3.14		
PULL #5	3.17	3.11		
TOTAL	15.57	15.49		
AVG.	3.11	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.29		4.14
PULL #2	4.37	4.40		4.06
PULL #3	4.53	4.47		4.07
PULL #4	4.44	4.45		4.19
PULL #5	4.43	4.42		4.16
TOTAL	22.08	22.03		20.62
AVG.	4.41	4.40		4.12

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587710

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			
613	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
623	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	6	6	6			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	2.68	2.73	2.83	2.81	2.79	3/7/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587710
2 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.21853
1 TO	2	.323487
1 TO	3	.507939
1 TO	4	.480463
1 TO	5	.222029

μF_{T0}

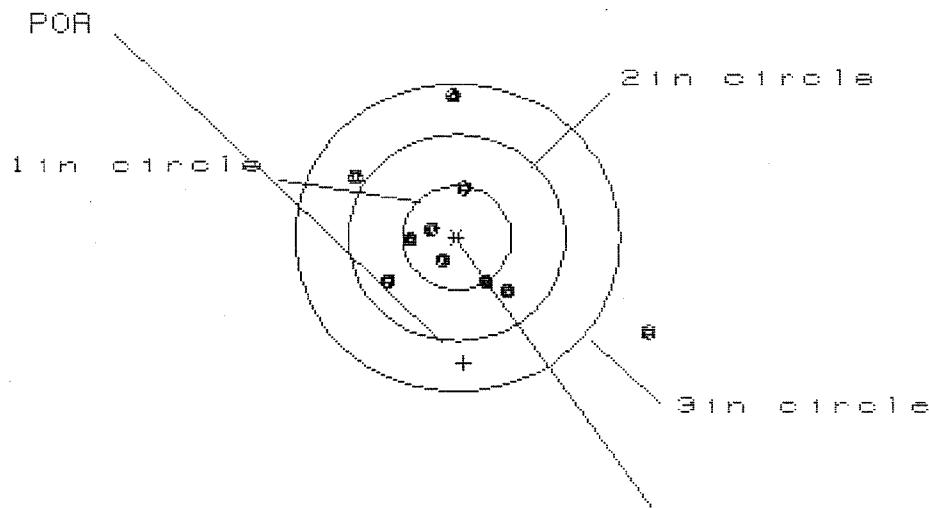
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0948
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.0312
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.03555
THE AMR FOR THIS RIFLE IS: .836

2 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587710

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 9

HS= 2.671

VS= 2.259

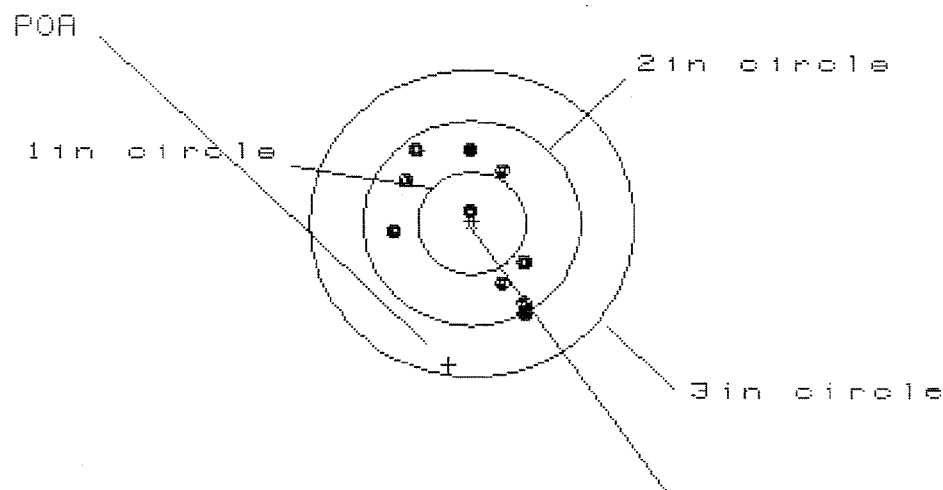
GS= 3.058

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.716	.629	.645
MINIMUM X	:	-.955	-.764	-.748
MAXIMUM Y	:	1.360	1.260	.647
MINIMUM Y	:	-.899	-.572	-.414
CENTROID X	:	-.061	-.252	-.268
CENTROID Y	:	1.217	1.317	1.159
POA TO CENTROID in	:	1.218	1.340	1.190
MIN RADIUS	:	.250	.071	.134
MEAN RADIUS	:	.780	.622	.517
MAX RADIUS	:	1.937	1.267	.989
HORIZONTAL SPREAD	:	2.671	1.393	1.393
VERTICAL SPREAD	:	2.259	1.832	1.061
EXTREME SPREAD	:	3.058	1.910	1.751
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587710

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

CENTROID *

IN CIR

1in = 1

2in = 9

3in = 10

HS= 1.265

VS= 1.623

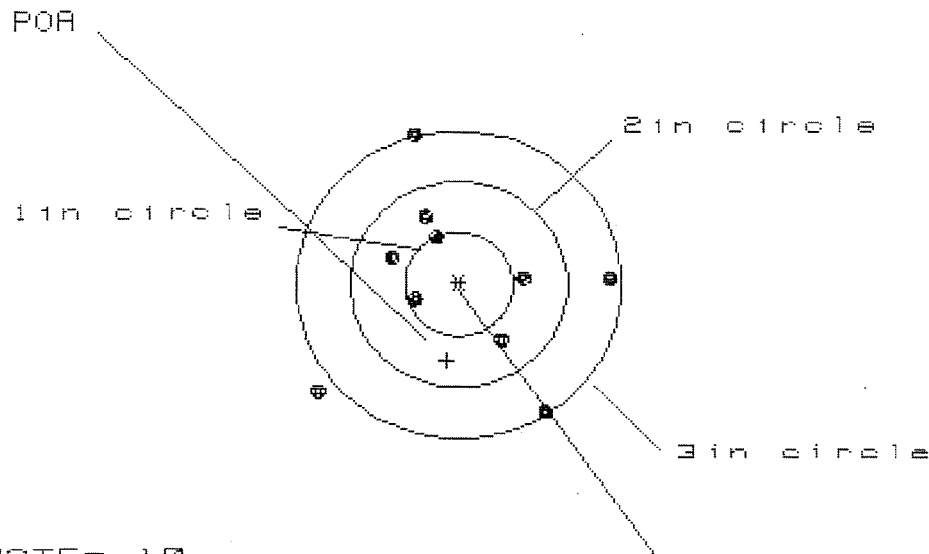
GS= 1.842

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.508	.545	.483
MINIMUM X	:	-.757	-.701	-.763
MAXIMUM Y	:	.746	.648	.710
MINIMUM Y	:	-.877	-.832	-.750
CENTROID X	:	.219	.163	.225
CENTROID Y	:	1.379	1.477	1.395
POA TO CENTROID in.	:	1.396	1.485	1.414
MIN RADIUS	:	.157	.081	.141
MEAN RADIUS	:	.704	.653	.634
MAX RADIUS	:	1.014	.969	.867
HORIZONTAL SPREAD	:	1.265	1.246	1.246
VERTICAL SPREAD	:	1.623	1.480	1.460
EXTREME SPREAD	:	1.942	1.786	1.589
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587710

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.735

VS= 2.674

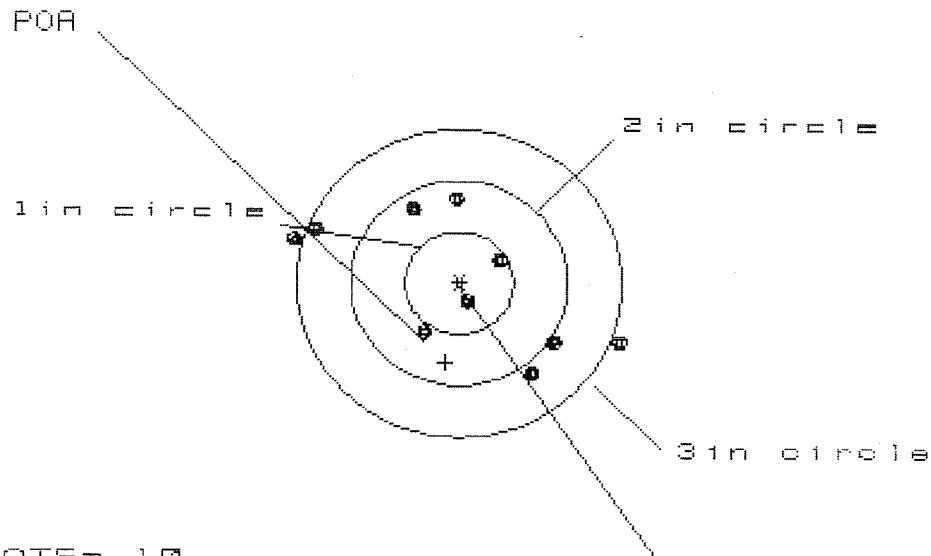
GS= 2.935

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.392	1.243	1.176
MINIMUM X	-1.343	-1.755	.022
MAXIMUM Y	1.485	1.372	.701
MINIMUM Y	-1.189	-1.302	-1.131
CENTROID X	.108	.257	.324
CENTROID Y	.738	.851	.680
POA TO CENTROID in.	.746	.889	.753
MIN RADIUS	.381	.476	.408
MEAN RADIUS	.956	.874	.795
MAX RADIUS	1.684	1.472	1.284
HORIZONTAL SPREAD	2.735	1.998	1.998
VERTICAL SPREAD	2.674	2.674	1.832
EXTREME SPREAD	2.935	2.935	2.141
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587710

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.054

VS= 1.654

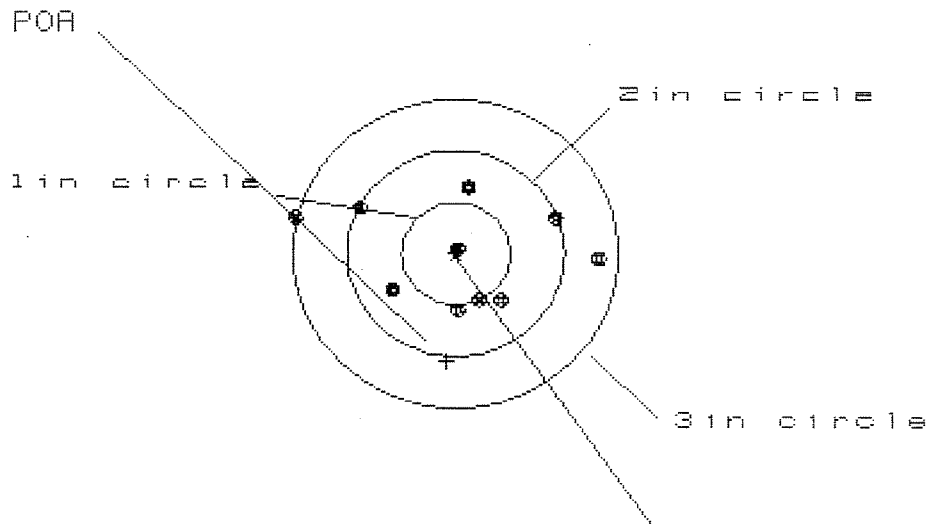
GS= 3.219

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.522	1.075	.904
MINIMUM X	:	-1.532	-1.363	-1.280
MAXIMUM Y	:	.815	.747	.789
MINIMUM Y	:	-.839	-.907	-.865
CENTROID X	:	.125	-.044	.127
CENTROID Y	:	.774	.842	.800
POA TO CENTROID in.:	:	.784	.844	.810
MIN RADIUS	:	.213	.369	.236
MEAN RADIUS	:	.959	.891	.797
MAX RADIUS	:	1.641	1.404	1.369
HORIZONTAL SPREAD	:	3.054	2.438	2.184
VERTICAL SPREAD	:	1.654	1.654	1.654
EXTREME SPREAD	:	3.219	2.614	2.423
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.828

VS= 1.186

GS= 2.856

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.322	1.154	.895
MINIMUM X	:	-1.506	-1.019	-.875
MAXIMUM Y	:	.623	.663	.664
MINIMUM Y	:	-.563	-.523	-.522
CENTROID X	:	.083	.251	.107
CENTROID Y	:	1.048	1.008	1.007
POA TO CENTROID in.	:	1.051	1.038	1.013
MIN RADIUS	:	.063	.153	.090
MEAN RADIUS	:	.781	.687	.614
MAX RADIUS	:	1.550	1.154	.997
HORIZONTAL SPREAD	:	2.828	2.173	1.770
VERTICAL SPREAD	:	1.186	1.186	1.186
EXTREME SPREAD	:	2.856	2.221	1.770
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	