

C6587641

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

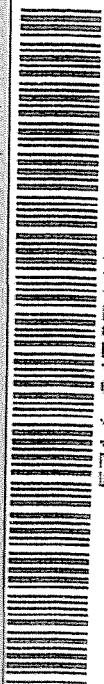
* Includes 1 in chamber.

Remington

M2400024310

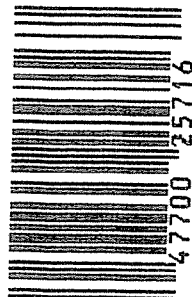
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington
 MODEL 700™ H24
 VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
 DUPONT
 REG. U.S. PAT. & TM. OFF.
 SERIAL NO. C6587641
 ORDER NO. 5716
 MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6587641

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587641

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KH
600	Proof		10/22/90	KH
607	Check Headspace		10/22/90	KH
610	Dis-assemble Gun		10/22/90	KH
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes		10/25/90	KB
618	Polish Barrel RB		10/26/90	KB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-15-90	JA

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	4 1/2	5	11/15/90	WB		
	G) Safety Off Force	3	3	3	11/15/90	WB		
	H) Trigger Pull Test & Retainability				11-15-90	JB		
	I) Firing Pin Indent	10235	.023	.023	11/15/90	WB		
	J) Assemble Stock				11/15/90	KS		
	K) Assemble Swivel Studs				11-20-90	DH		
	L) Attach Front and Rear Sight Assemblies				11/15/90	KS		
	M) Iron Sight Alignment				11/15/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/15/90	KS		
	O) Attach Scope to Rifle				11/15/90	KS		
	P) Detach & Attach Scope 20 Times				11/15/90	KS		
640	Gallery Target & Test				11/16/90	AF		
	A) Time				"	AF		
	B) Malfunctions				"	AF		
	C) Pierced Primers				"	AF		
	D) Optical Clarity of Scope				"	AF		
645	Inspect for Live Ammo				11/16/90	AF		
655	Final Inspection							
	A) Headspace				11-20-90	DH		
	B) Trigger Pull	247	269	247	257	277	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						11-18-90	DH

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587641
17 Nov 1990

CENTROIDAL DISTANCES

0 TO 1	.813904
1 TO 2	1.04704
1 TO 3	.744453
1 TO 4	.703025
1 TO 5	.652663

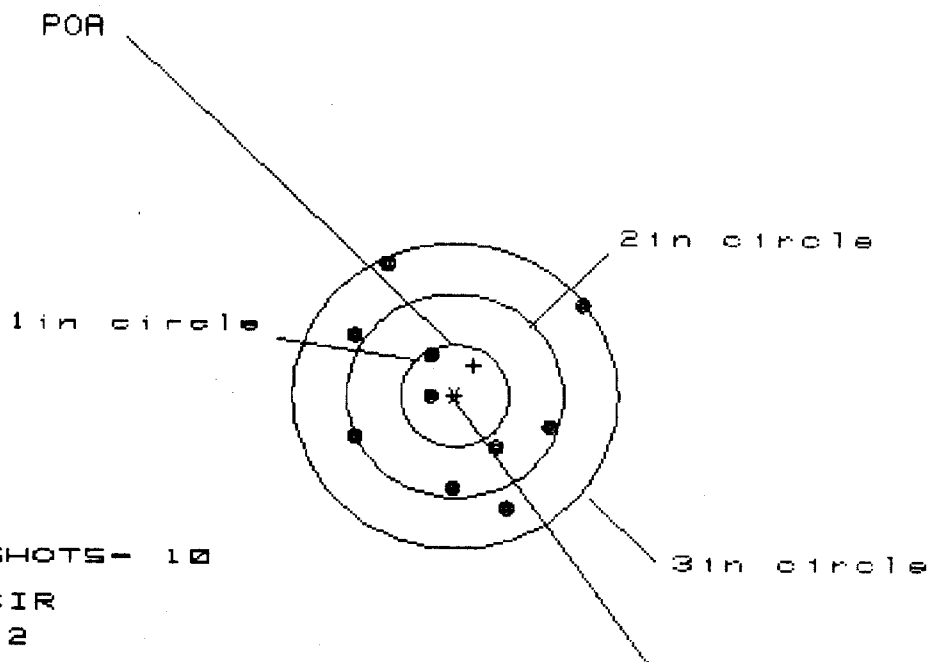
3
5
1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .021
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2026
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .203685
THE AMR FOR THIS RIFLE IS: .83

17 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587641

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.087

VS= 2.420

GS= 2.653

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.199	1.043	.979
MINIMUM X	-.888	-.755	-.819
MAXIMUM Y	1.286	1.386	.867
MINIMUM Y	-1.134	-1.034	-.861
CENTROID X	-.174	-.307	-.243
CENTROID Y	-.299	-.399	-.572
POA TO CENTROID in.	.346	.504	.622
MIN RADIUS	.218	.140	.322
MEAN RADIUS	.935	.851	.768
MAX RADIUS	1.498	1.478	1.187
HORIZONTAL SPREAD	2.087	1.798	1.798
VERTICAL SPREAD	2.420	2.420	1.728
EXTREME SPREAD	2.653	2.653	2.174
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

17 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587641

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 1.348

VS= 2.957

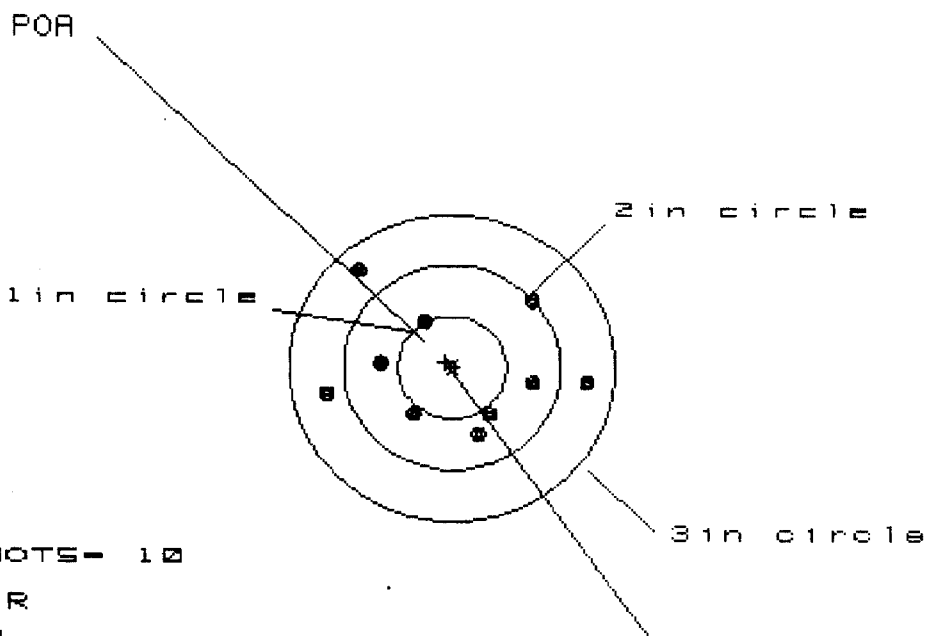
GS= 3.019

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.518	.552	.571
MINIMUM X	:	-.830	-.796	-.777
MAXIMUM Y	:	1.019	.804	.610
MINIMUM Y	:	-1.938	-1.547	-1.010
CENTROID X	:	-.026	-.060	-.079
CENTROID Y	:	-.132	.083	.277
POA TO CENTROID in.	:	.135	.103	.288
MIN RADIUS	:	.413	.207	.108
MEAN RADIUS	:	.930	.754	.619
MAX RADIUS	:	1.962	1.555	1.158
HORIZONTAL SPREAD	:	1.348	1.348	1.348
VERTICAL SPREAD	:	2.957	2.351	1.620
EXTREME SPREAD	:	3.019	2.384	1.938
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587641

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS= 2.391

VS= 1.666

GS= 2.404

CENTROID *

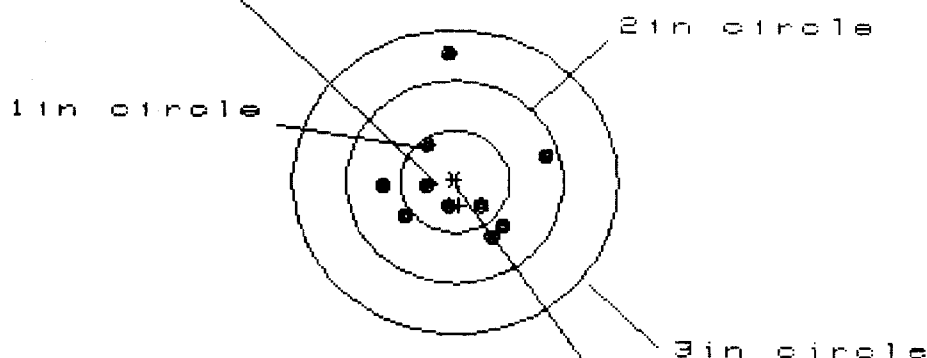
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.263	1.168	.796
MINIMUM X	:	-1.128	-1.223	-1.077
MAXIMUM Y	:	.997	.762	.759
MINIMUM Y	:	-.669	-.559	-.562
CENTROID X	:	.059	.154	.008
CENTROID Y	:	-.053	-.163	-.160
FOR TO CENTROID in.	:	.079	.224	.160
MIN RADIUS	:	.507	.397	.487
MEAN RADIUS	:	.849	.780	.725
MAX RADIUS	:	1.314	1.236	1.093
HORIZONTAL SPREAD	:	2.391	2.391	1.873
VERTICAL SPREAD	:	1.666	1.321	1.321
EXTREME SPREAD	:	2.404	2.396	2.052
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587641

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.531

VS= 1.864

GS= 1.904

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.837	.828	.553
MINIMUM X	:	-.694	-.703	-.599
MAXIMUM Y	:	1.291	.481	.526
MINIMUM Y	:	-.573	-.429	-.384
CENTROID X	:	-.040	-.031	-.135
CENTROID Y	:	.233	.089	.044
POA TO CENTROID in.	:	.236	.095	.141
MIN RADIUS	:	.244	.105	.087
MEAN RADIUS	:	.601	.492	.429
MAX RADIUS	:	1.294	.906	.614
HORIZONTAL SPREAD	:	1.531	1.531	1.153
VERTICAL SPREAD	:	1.864	.910	.910
EXTREME SPREAD	:	1.904	1.557	1.198
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

17 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587641

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 7

3 in - 9

HS = 1.465

VS = 3.483

GS = 3.544

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.915	.867	.572
MINIMUM X	-.550	-.598	-.490
MAXIMUM Y	1.250	1.002	1.101
MINIMUM Y	-2.233	-.866	-.767
CENTROID X	.286	.334	.226
CENTROID Y	-.762	-.514	-.613
POA TO CENTROID in.	.814	.613	.654
MIN RADIUS	.107	.150	.072
MEAN RADIUS	.835	.665	.583
MAX RADIUS	2.275	1.178	1.184
HORIZONTAL SPREAD	1.465	1.465	1.061
VERTICAL SPREAD	3.483	1.868	1.868
EXTREME SPREAD	3.544	2.216	1.881
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587641

DATE 11-15-90

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.40	2.27	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.50	2.46	2.69	
PULL #3	2.21	2.30	2.33	2.47	
PULL #4	2.29	2.49	2.42	2.57	
PULL #5	2.36	2.34	2.32	2.57	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.34		
PULL #2	3.41	3.44		
PULL #3	3.37	3.50		
PULL #4	3.37	3.30		
PULL #5	3.29	3.41		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.35		4.44
PULL #2	4.32	4.32		4.48
PULL #3	4.31	4.34		4.48
PULL #4	4.16	4.50		4.50
PULL #5	4.48	4.45		4.50
TOTAL				
AVG.				

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18317

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

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

Scope # 90-0137

DATE RECEIVED 06/11/94 DATE OPENED 06/11/94 DATE CODE SERIAL NUMBER C6587641 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.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			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. Spring	1.70
CVT	50.00
	\$1349.50

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
			WB	WB	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
			1/23/96	1/23/96	

OFFICE COPY

RD8925 REV 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400024321

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587641

DATE 11-2-95

TESTER DAH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.52	2.53	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.33	2.53	
PULL #3	2.45	2.29	2.26	
PULL #4	2.55	2.25	2.46	
PULL #5	2.54	2.26	2.44	
TOTAL	12.98	11.66	12.10	
AVG.	2.59	2.33	2.42	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.25	3.16	
PULL #2	3.25	3.24	
PULL #3	3.30	3.26	
PULL #4	3.21	3.31	
PULL #5	3.26	3.17	
TOTAL	16.27	16.16	
AVG.	3.25	3.23	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.08		4.09
PULL #2	4.27	4.32		4.16
PULL #3	4.34	4.14		4.13
PULL #4	4.25	4.32		4.00
PULL #5	4.22	4.37		4.01
TOTAL	21.38	21.23		20.39
AVG.	4.27	4.24		4.07

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587641

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
611	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. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5 ³ / ₄	5 ³ / ₄			1/25/96	WB
	G) Safety Off Force	2 ¹ / ₂	2 ³ / ₄	2 ³ / ₄			1/25/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.021	.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	2.56	2.62	2.55	2.63	2.56	1/25/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587641
1 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	1.76291
1 TO	2	.633287
1 TO	3	.60803
1 TO	4	.190948
1 TO	5	.350721

15
2

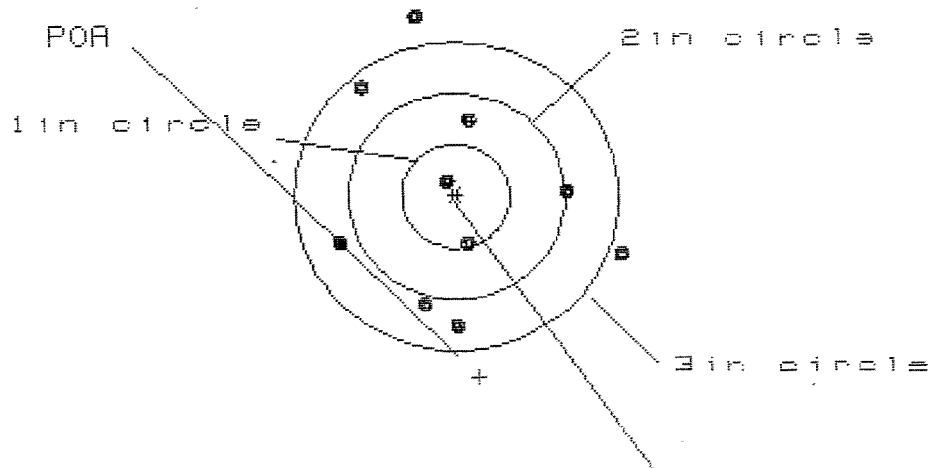
+ (----POI)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0146
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.5888
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.5888
THE AMP FOR THIS RIFLE IS: .9628

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587641

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.575

VS= 2.990

GS= 3.023

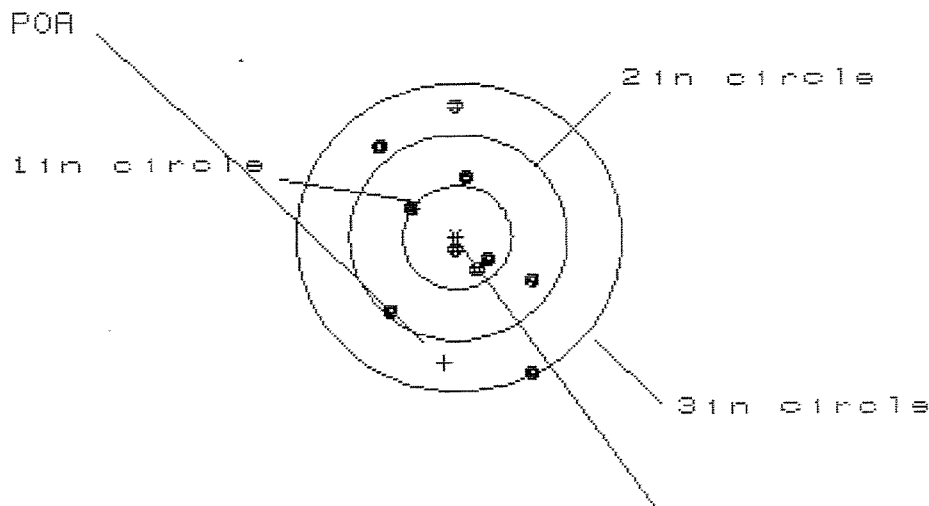
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.492	1.444	1.125
MINIMUM X	-1.083	-1.131	-0.950
MAXIMUM Y	1.751	1.219	1.179
MINIMUM Y	-1.239	-1.044	-1.084
CENTROID X	-0.221	-0.173	-0.354
CENTROID Y	1.749	1.554	1.594
POA TO CENTROID in.	1.763	1.564	1.633
MIN RADIUS	.208	.281	.328
MEAN RADIUS	1.071	.974	.906
MAX RADIUS	1.802	1.513	1.388
HORIZONTAL SPREAD	2.575	2.575	2.075
VERTICAL SPREAD	2.990	2.263	2.263
EXTREME SPREAD	3.023	2.800	2.425
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587841

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.417

VS= 2.627

GS= 2.717

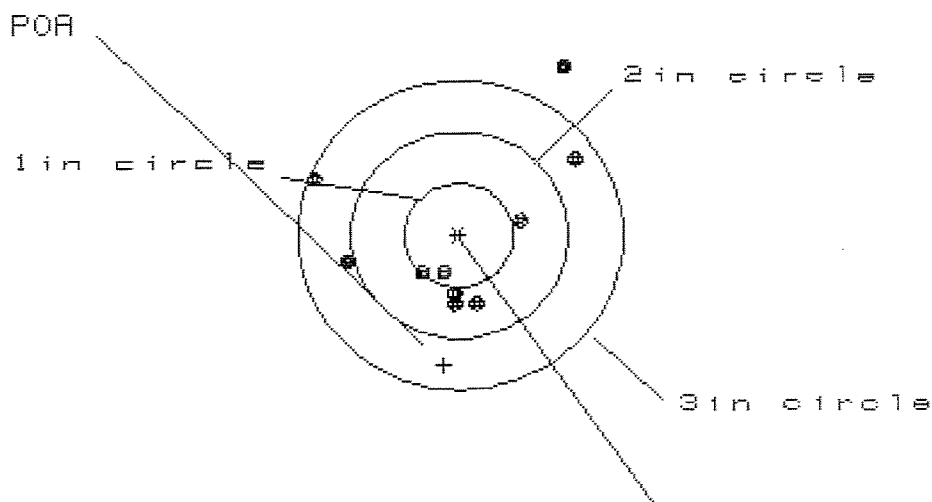
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.658	.717	.722
MINIMUM X	:	-.759	-.686	-.681
MAXIMUM Y	:	1.285	1.136	.863
MINIMUM Y	:	-1.342	-.820	-.678
CENTROID X	:	.121	.048	.043
CENTROID Y	:	1.216	1.365	1.223
POA TO CENTROID in.	:	1.222	1.365	1.223
MIN RADIUS	:	.117	.266	.130
MEAN RADIUS	:	.765	.695	.614
MAX RADIUS	:	1.494	1.137	1.100
HORIZONTAL SPREAD	:	1.417	1.403	1.403
VERTICAL SPREAD	:	2.627	1.956	1.541
EXTREME SPREAD	:	2.717	2.044	1.936
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587641

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.400

VS= 2.275

GS= 2.757

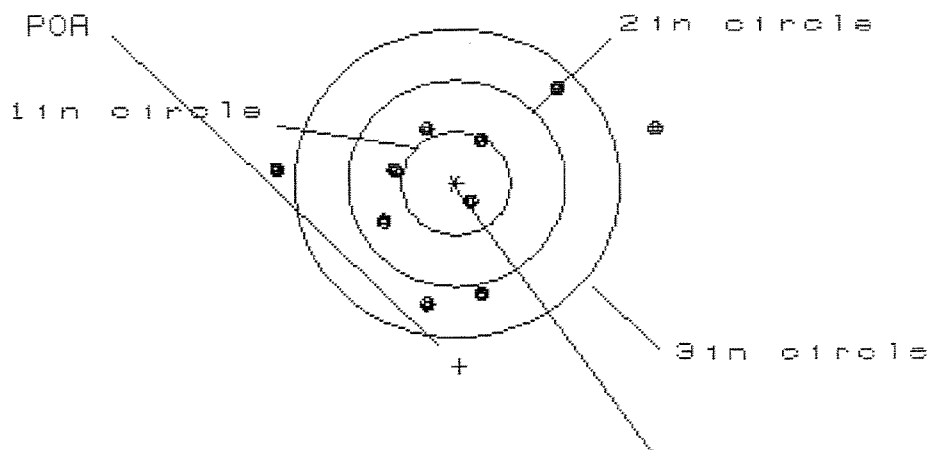
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.108	1.217	1.069
MINIMUM X	:	-1.292	-1.183	-1.064
MAXIMUM Y	:	1.595	.871	.955
MINIMUM Y	:	-.680	-.503	-.419
CENTROID X	:	.139	.030	.178
CENTROID Y	:	1.259	1.082	.998
POB TO CENTROID in.	:	1.267	1.082	1.014
MIN RADIUS	:	.388	.195	.187
MEAN RADIUS	:	.903	.721	.616
MAX RADIUS	:	1.870	1.496	1.433
HORIZONTAL SPREAD	:	2.400	2.400	2.133
VERTICAL SPREAD	:	2.275	1.374	1.374
EXTREME SPREAD	:	2.757	2.408	2.354
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587641

CENTERFIRE PATTERNS # 4



CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.455

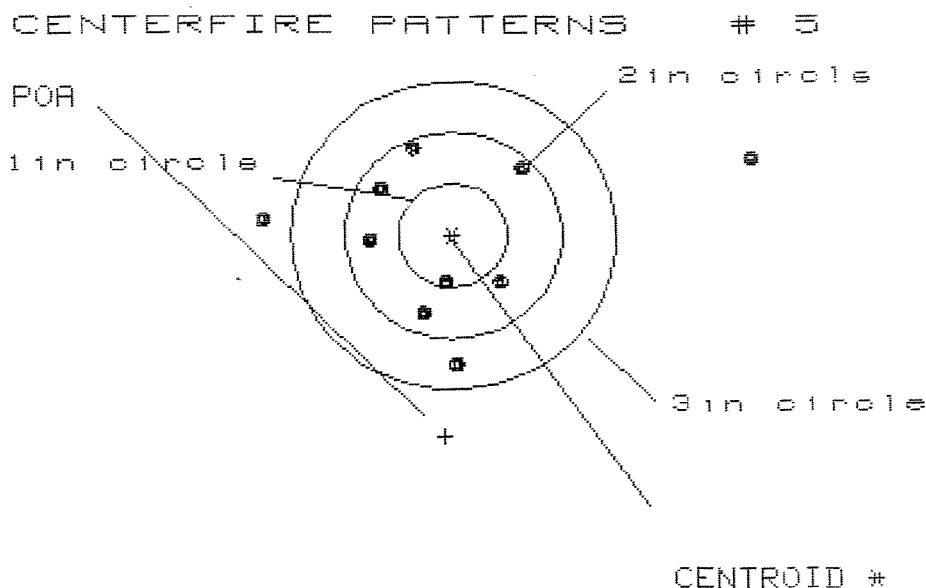
VS= 2.097

GS= 3.476

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.835	1.102	.924
MINIMUM X	:	-1.620	-1.416	-.684
MAXIMUM Y	:	.974	1.029	1.050
MINIMUM Y	:	-1.123	-1.068	-1.047
CENTROID X	:	-.031	-.235	-.058
CENTROID Y	:	1.768	1.713	1.692
POA TO CENTROID in.	:	1.768	1.729	1.693
MIN RADIUS	:	.208	.359	.185
MEAN RADIUS	:	.975	.858	.777
MAX RADIUS	:	1.908	1.507	1.399
HORIZONTAL SPREAD	:	3.455	2.518	1.609
VERTICAL SPREAD	:	2.097	2.097	2.097
EXTREME SPREAD	:	3.476	2.661	2.384
NUMBER IN ONE INCH CIRCLE =	:		2	

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OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 4.428

VS= 2.093

GS= 4.463

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.697	.950	.771
MINIMUM X	-1.731	-1.432	-.599
MAXIMUM Y	.885	.966	.997
MINIMUM Y	-1.208	-1.127	-1.097
CENTROID X	.065	-.234	-.055
CENTROID Y	1.952	1.871	1.841
POA TO CENTROID in.	1.953	1.886	1.841
MIN RADIUS	.489	.425	.367
MEAN RADIUS	1.099	.862	.778
MAX RADIUS	2.792	1.453	1.107

HORIZONTAL SPREAD	4.428	2.382	1.370
VERTICAL SPREAD	2.093	2.093	2.093
EXTREME SPREAD	4.463	2.428	2.124
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		