

C6587521

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 94-18219INITIAL CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN Scope 91-0432

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6587521	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

New Barrel

Trigger Assy
Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400021970

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6587521

DATE 3-12-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.45	2.60	2.72	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.73	2.60	2.76	
PULL #3	2.75	2.60	2.69	
PULL #4	2.73	2.63	2.74	
PULL #5	2.72	2.62	2.88	
TOTAL	1338	1305	1379	
AVG.	2.67	2.61	2.75	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.37		
PULL #2	3.31	3.33		
PULL #3	3.28	3.27		
PULL #4	3.27	3.19		
PULL #5	3.21	3.24		
TOTAL	1633	1640		
AVG.	3.26	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	3.92		4.23
PULL #2	4.05	4.03		4.18
PULL #3	4.00	4.04		4.11
PULL #4	3.91	3.90		4.38
PULL #5	3.93	4.07		4.31
TOTAL	1998	1996		21.21
AVG.	3.99	3.99		4.24

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587521
11 Feb 1988

CENTROIDAL DISTANCES

0 TO 1	.836646
1 TO 2	.362795
1 TO 3	.373063
1 TO 4	.422607
1 TO 5	.255163

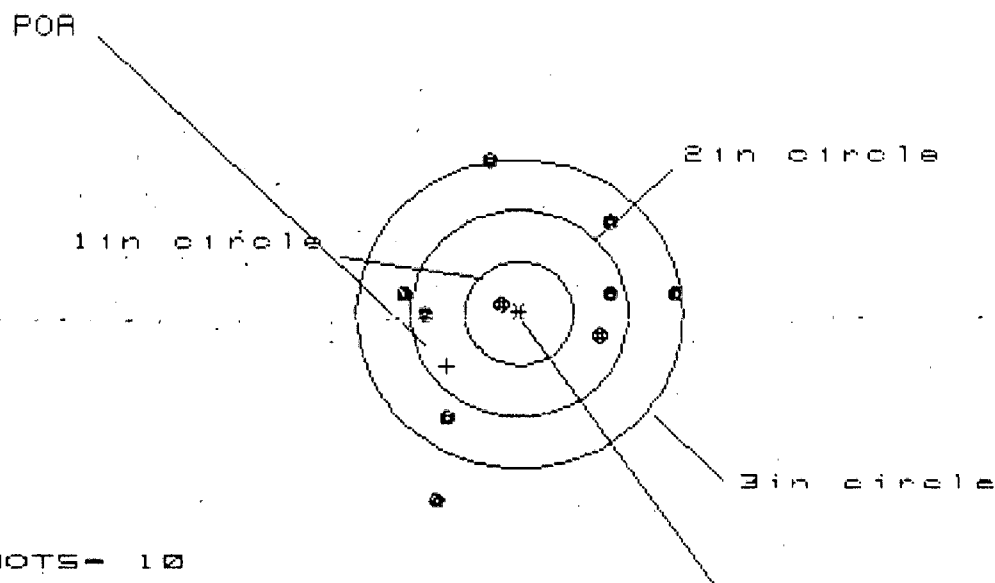
+ ^{avg} <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4094
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4662
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .620444
THE AMR FOR THIS RIFLE IS: .9558

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.516

VS= 3.298

GS= 3.344

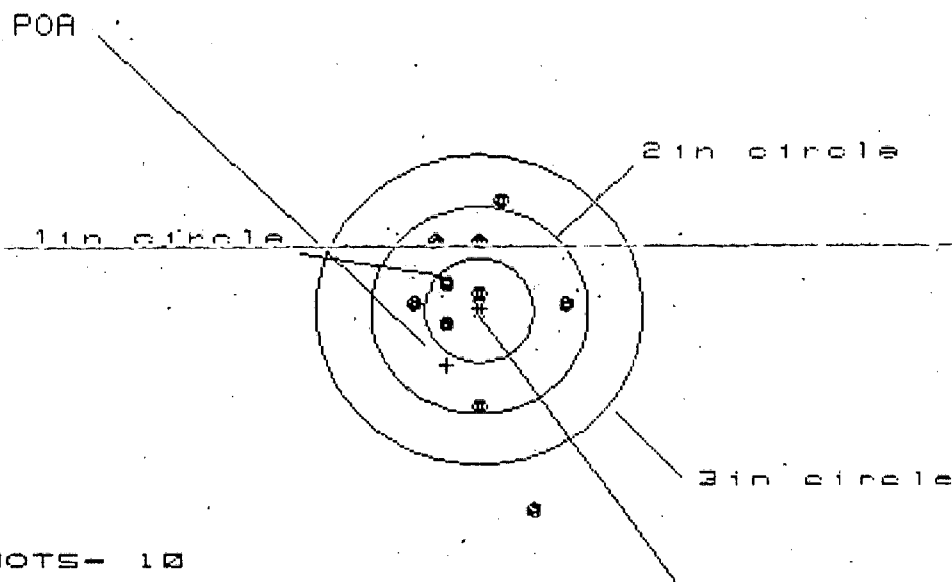
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.417	1.326	1.283
MINIMUM X	:	-1.099	-1.190	-1.233
MAXIMUM Y	:	1.449	1.243	.839
MINIMUM Y	:	-1.849	-1.166	-1.010
CENTROID X	:	.664	.755	.798
CENTROID Y	:	.509	.715	.559
POA TO CENTROID in.	:	.837	1.039	.975
MIN RADIUS	:	.187	.229	.276
MEAN RADIUS	:	1.105	.989	.939
MAX RADIUS	:	2.019	1.366	1.292
HORIZONTAL SPREAD	:	2.516	2.516	2.516
VERTICAL SPREAD	:	3.298	2.409	1.849
EXTREME SPREAD	:	3.344	2.516	2.516
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587521

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.398

VS= 2.984

GS= 2.999

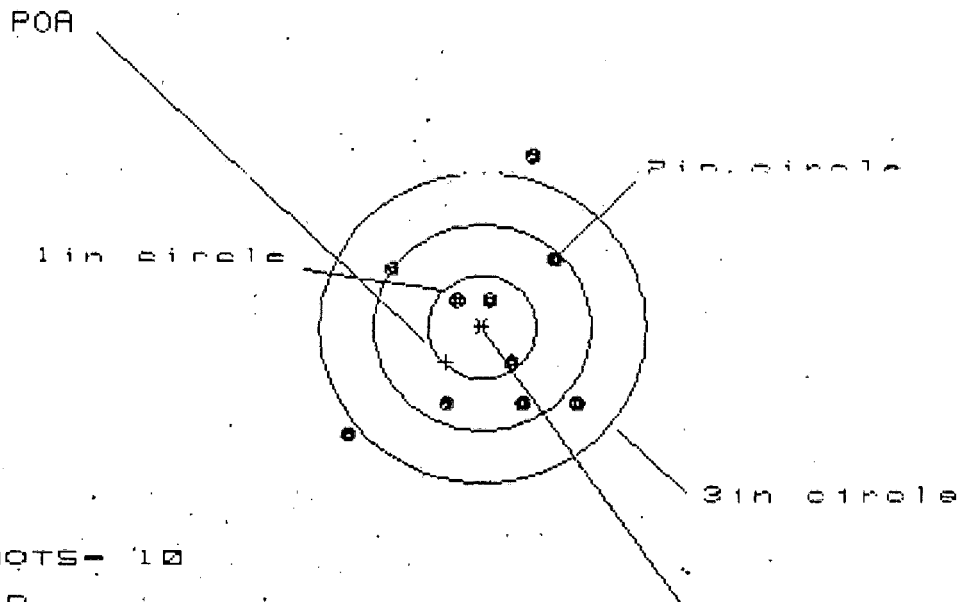
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.843	.900	.933
MINIMUM X	:	-.555	-.498	-.464
MAXIMUM Y	:	1.085	.874	.609
MINIMUM Y	:	-1.899	-1.151	-1.041
CENTROID X	:	.302	.245	.211
CENTROID Y	:	.533	.744	.634
POA TO CENTROID in.	:	.612	.783	.669
MIN RADIUS	:	.148	.119	.137
MEAN RADIUS	:	.780	.597	.554
MAX RADIUS	:	1.966	1.153	1.047
HORIZONTAL SPREAD	:	1.398	1.398	1.398
VERTICAL SPREAD	:	2.984	2.025	1.650
EXTREME SPREAD	:	2.999	2.034	1.711
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587521

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.077

VS= 2.709

GS= 3.198

PATTERN #	:	43		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.836	.887	.738
MINIMUM X	:	-1.241	-1.190	-.910
MAXIMUM Y	:	1.674	.882	.775
MINIMUM Y	:	-1.035	-.849	-.645
CENTROID X	:	.334	.283	.432
CENTROID Y	:	.335	.149	.256
POA TO CENTROID in.	:	.473	.320	.502
MIN RADIUS	:	.297	.383	.315
MEAN RADIUS	:	.910	.816	.713
MAX RADIUS	:	1.735	1.462	1.121
HORIZONTAL SPREAD	:	2.077	2.077	1.648
VERTICAL SPREAD	:	2.709	1.731	1.420
EXTREME SPREAD	:	3.198	2.559	2.099
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 1

3in = 4

HS= 3.685

VS= 3.295

GS= 3.739

CENTROID #

PATTERN #

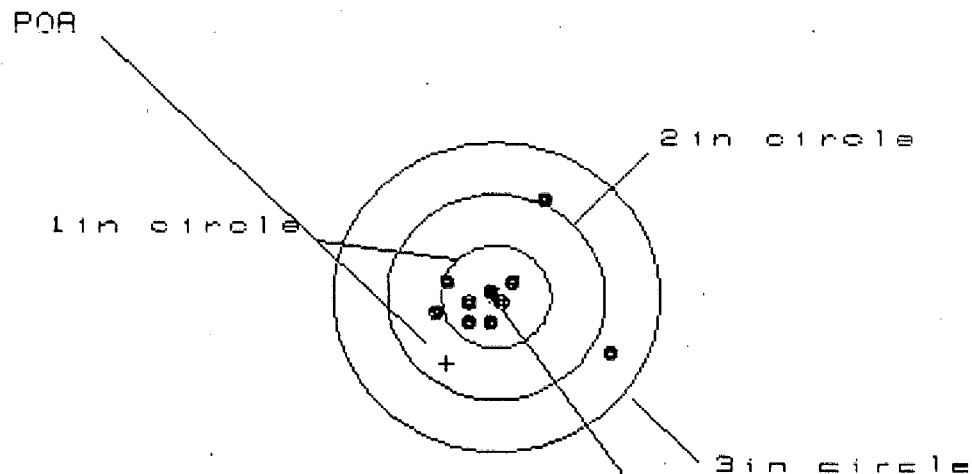
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.634	1.406	1.336
MINIMUM X	-2.051	-1.651	-1.721
MAXIMUM Y	1.821	1.682	1.609
MINIMUM Y	-1.474	-1.613	-1.403
CENTROID X	.295	.523	.593
CENTROID Y	.383	.442	.232
POA TO CENTROID in.	.423	.685	.637
MIN RADIUS	.575	.721	.540
MEAN RADIUS	1.519	1.404	1.317
MAX RADIUS	2.402	1.808	1.806
HORIZONTAL SPREAD	3.685	3.057	3.057
VERTICAL SPREAD	3.295	3.295	3.012
EXTREME SPREAD	3.739	3.570	3.357
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		1	
NUMBER IN THREE INCH CIRCLE =		4	

11 Feb 1908

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 7

2 in = 8

3 in = 10

HS= 1.565

VS= 1.471

GS= 1.637

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.031
MINIMUM X	-.534
MAXIMUM Y	.943
MINIMUM Y	-.528
CENTROID X	.452
CENTROID Y	.651
POA TO CENTROID in.	.793
MIN RADIUS	.127
MEAN RADIUS	.465
MAX RADIUS	1.159
HORIZONTAL SPREAD	1.565
VERTICAL SPREAD	1.471
EXTREME SPREAD	1.637
NUMBER IN ONE INCH CIRCLE =	7
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587521

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. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/4/96	Fee
	G) Safety Off Force	4	4	4			5/4/96	Fee
	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	2.29	2.31	2.30	2.26	2.34		
	C) Function							
660	Pack							




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

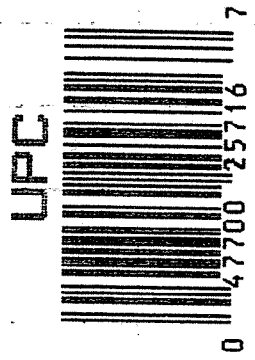
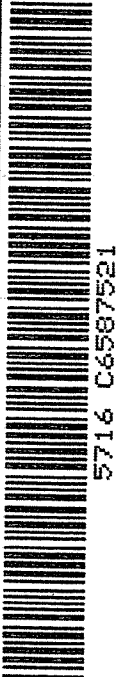
MODEL 700™ H24

SERIAL NO. C6587521

ORDER NO. 5716

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

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

1.8
C6587521

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KA
600	Proof		10/22/90	KA
607	Check Headspace		10/22/90	KA
610	Dis-assemble Gun		10/22/90	KA
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		10/24/90	KR
615	Rollmark Caliber		10/24/90	JS
617	Drill and Tap Sight Holes		10/25/90	LB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/28/90	JE

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			11/28/90	WB
	G) Safety Off Force	3	3	3			11/28/90	WB
	H) Trigger Pull Test & Retainability						11/28/90	94
	I) Firing Pin Indent	.0225	.0225	.023			11/28/90	WB
	J) Assemble Stock						11/29/90	KS
	K) Assemble Swivel Studs						12-6-90	928
	L) Attach Front and Rear Sight Assemblies						11/29/90	KS
	M) Iron Sight Alignment						11/29/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/29/90	KS
	O) Attach Scope to Rifle						11/29/90	KS
	P) Detach & Attach Scope 20 Times						11/29/90	KS
640	Gallery Target & Test						12-1-90	DH
	A) Time						12-1-90	DH
	B) Malfunctions						12-1-90	DH
	C) Pierced Primers						12-1-90	DH
	D) Optical Clarity of Scope						12-1-90	DH
645	Inspect for Live Ammo						12-1-90	DH
655	Final Inspection							
	A) Headspace						12-6-90	928
	B) Trigger Pull	238	237	235	240	240	12-6-90	928
	C) Function						12-6-90	928
660	Pack						12/14/90	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. CC587521

DATE 11-28-90

TESTER J21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.21	2.35	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.27	2.40	2.37	
PULL #3	2.35	2.29	2.36	2.35	
PULL #4	2.31	2.32	2.50	2.40	
PULL #5	2.44	2.37	2.43	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.31		
PULL #2	3.11	3.19		
PULL #3	3.12	3.26		
PULL #4	3.16	3.27		
PULL #5	3.12	3.25		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.24		4.47
PULL #2	4.39	4.35		4.50
PULL #3	4.18	4.18		4.30
PULL #4	4.14	4.20		4.34
PULL #5	4.20	4.46		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587521
1 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.198588
1 TO	2	.14384
1 TO	3	.324127
1 TO	4	.353289
1 TO	5	.236913

$\frac{E}{S_d}$ <----FOR

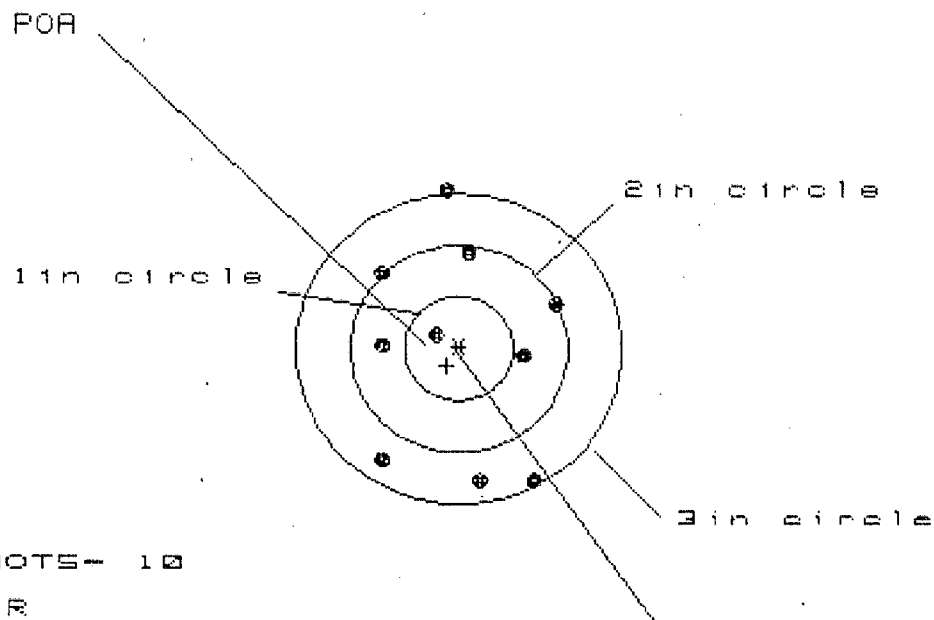
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .185
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .015
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .185607

THE AMR FOR THIS RIFLE IS: .9622

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.609

VS= 2.832

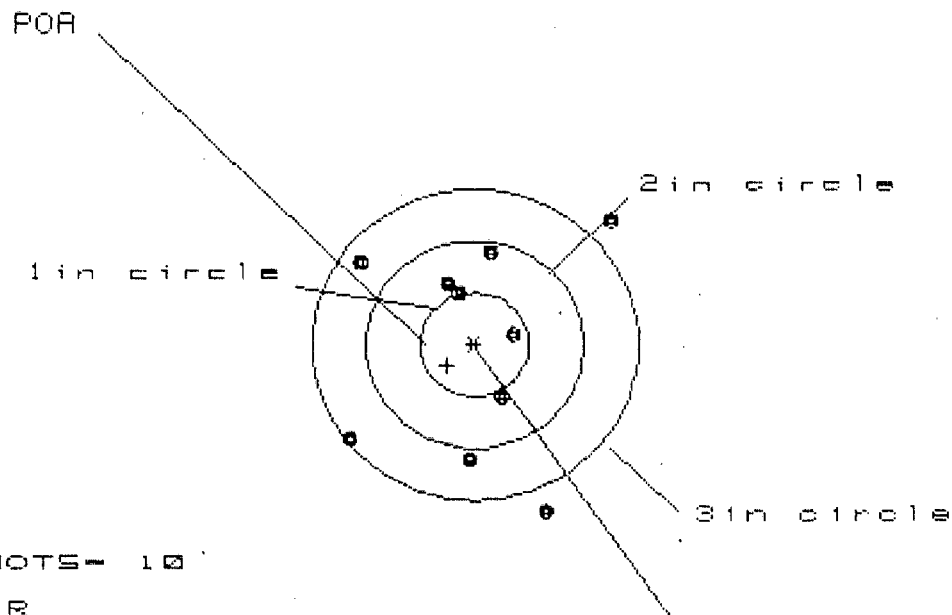
GS= 2.953

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.866	.854	.944
MINIMUM X	-.743	-.755	-.665
MAXIMUM Y	1.527	1.066	.924
MINIMUM Y	-1.305	-1.135	-1.274
CENTROID X	.109	.121	.031
CENTROID Y	.166	-.004	.138
POA TO CENTROID in.	.198	.121	.142
MIN RADIUS	.255	.365	.202
MEAN RADIUS	1.010	.960	.879
MAX RADIUS	1.531	1.343	1.308
HORIZONTAL SPREAD	1.609	1.609	1.609
VERTICAL SPREAD	2.832	2.201	2.198
EXTREME SPREAD	2.953	2.508	2.250
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

1 Dec 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 7

HS - 2.389

VS - 2.769

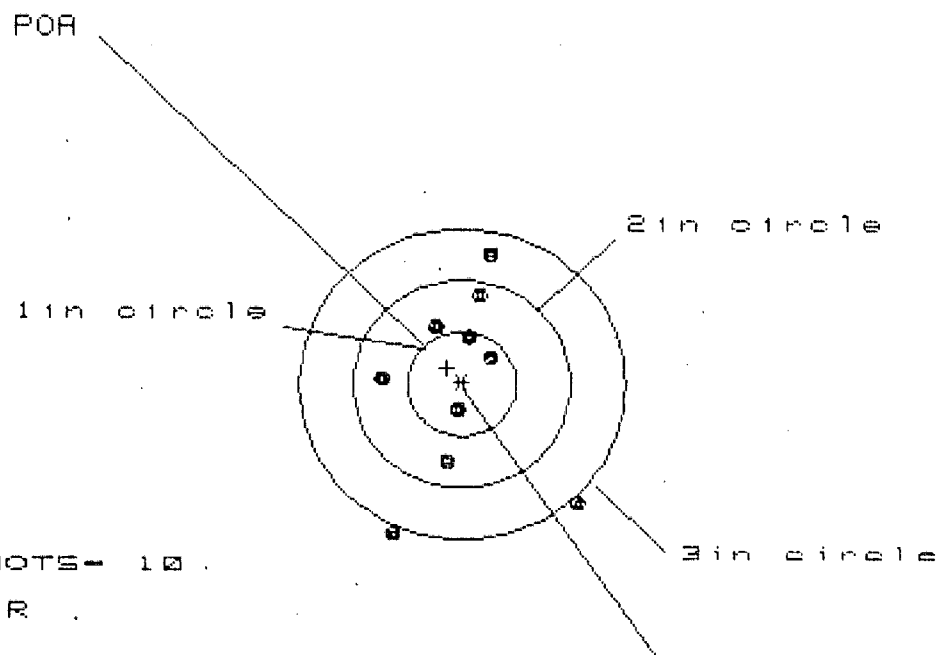
GS - 3.189

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.224	1.299	.588
MINIMUM X	:	-1.165	-1.090	-.927
MAXIMUM Y	:	1.165	.987	.877
MINIMUM Y	:	-1.604	-1.267	-1.144
CENTROID X	:	.248	.173	.010
CENTROID Y	:	.203	.381	.258
POA TO CENTROID in.	:	.320	.419	.258
MIN RADIUS	:	.376	.274	.408
MEAN RADIUS	:	1.037	.928	.864
MAX RADIUS	:	1.741	1.632	1.366
HORIZONTAL SPREAD	:	2.389	2.389	1.515
VERTICAL SPREAD	:	2.769	2.254	2.021
EXTREME SPREAD	:	3.189	3.189	2.308
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.814

VS= 2.704

GS= 2.829

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.035	.966	.335
MINIMUM X	-.779	-.848	-.727
MAXIMUM Y	1.297	1.140	.983
MINIMUM Y	-1.407	-1.259	-1.017
CENTROID X	.136	.205	.084
CENTROID Y	-.157	-.000	.157
POA TO CENTROID in.	.208	.205	.178
MIN RADIUS	.223	.230	.155
MEAN RADIUS	.834	.727	.588
MAX RADIUS	1.536	1.587	1.020
HORIZONTAL SPREAD	1.814	1.814	1.062
VERTICAL SPREAD	2.704	2.399	2.000
EXTREME SPREAD	2.829	2.535	2.029
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587521

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 9

HS= 2.716

VS= 2.557

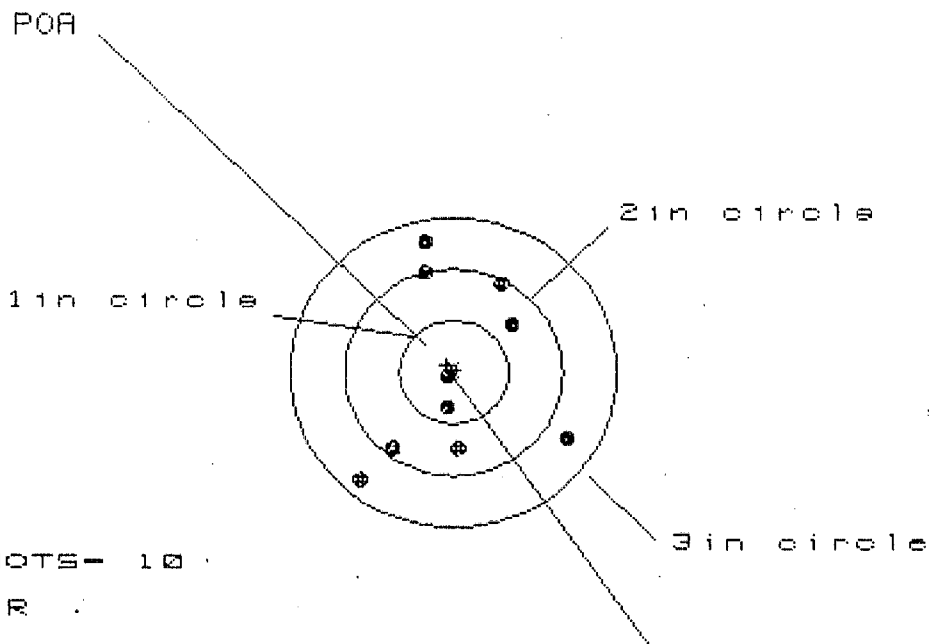
GS= 2.889

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.679	.940	.833
MINIMUM X	:	-1.037	-.850	-.900
MAXIMUM Y	:	1.163	1.203	1.332
MINIMUM Y	:	-1.394	-1.354	-1.225
CENTROID X	:	.371	.184	.291
CENTROID Y	:	-.071	-.111	-.240
POA TO CENTROID in.	:	.378	.215	.377
MIN RADIUS	:	.348	.374	.260
MEAN RADIUS	:	1.065	.986	.910
MAX RADIUS	:	1.718	1.359	1.334
HORIZONTAL SPREAD	:	2.716	1.790	1.733
VERTICAL SPREAD	:	2.557	2.557	2.557
EXTREME SPREAD	:	2.889	2.640	2.559
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	9		

1 Dec 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.911

VS= 2.210

GS= 2.302

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.038	.940	.900
MINIMUM X	-.874	-.635	-.675
MAXIMUM Y	1.222	1.112	.967
MINIMUM Y	-.988	-.861	-.722
CENTROID X	.061	.159	.199
CENTROID Y	-.066	.043	-.096
POA TO CENTROID in.	.091	.164	.221
MIN RADIUS	.109	.255	.221
MEAN RADIUS	.865	.825	.765
MAX RADIUS	1.319	1.221	1.104
HORIZONTAL SPREAD	1.911	1.575	1.575
VERTICAL SPREAD	2.210	1.973	1.689
EXTREME SPREAD	2.302	2.276	2.089
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		