

C6587612

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

BARBER M24 0023750

COMMENTS

ORDER

R 94-18378

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

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

Scope S/N 90 0239

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

SERIAL NUMBER C65B7612

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.E.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			

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
✓ Stock
✓ Trigger Assy
✓ Firing Pin Assy
✓ Mag Box
✓ Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

5/6/96

5/6/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0023750

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587612

DATE 4-18-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.50	2.63		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.62	2.61		
PULL #3	2.60	2.48	2.76		
PULL #4	2.42	2.72	2.82		
PULL #5	2.66	2.74	2.76		
TOTAL	12.55	13.04	13.58		
AVG.	2.51	2.61	2.71		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.24		
PULL #2	3.30	3.32		
PULL #3	3.26	3.06		
PULL #4	3.29	3.06		
PULL #5	3.22	3.13		
TOTAL	16.13	15.81		
AVG.	3.22	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	4.18		4.35
PULL #2	4.12	4.28		4.29
PULL #3	4.08	4.03		4.34
PULL #4	4.00	4.26		4.04
PULL #5	4.08	4.07		4.29
TOTAL	20.31	20.82		21.31
AVG.	4.06	4.16		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587612
5 Mar 1900

CENTROIDAL DISTANCES

0 TO 1	.645468
1 TO 2	.414567
1 TO 3	.201718
1 TO 4	.0940053
1 TO 5	.261174

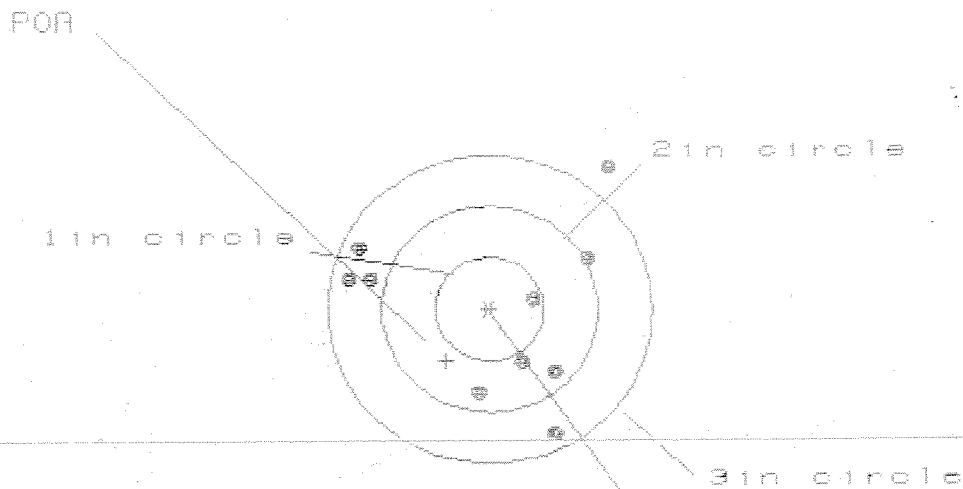
$\frac{1}{259}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3234
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .517654
THE AMR FOR THIS RIFLE IS: .9628

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE PATT/C6587612

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.395

VS= 2.634

GS= 2.682

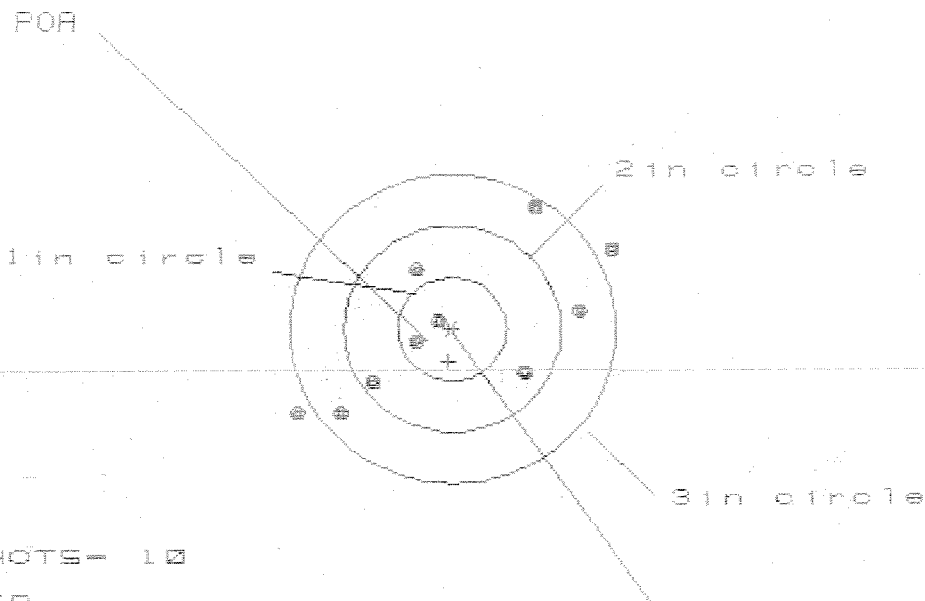
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.070	.975	1.060
MINIMUM X	-1.325	-1.206	-1.121
MAXIMUM Y	1.384	.732	.595
MINIMUM Y	-1.250	-1.096	-.769
CENTROID X	.402	.283	.198
CENTROID Y	.505	.351	.488
POA TO CENTROID in.	.645	.451	.527
MIN RADIUS	.404	.513	.608
MEAN RADIUS	1.045	.955	.925
MAX RADIUS	1.750	1.292	1.177
HORIZONTAL SPREAD	2.395	2.181	2.181
VERTICAL SPREAD	2.634	1.828	1.364
EXTREME SPREAD	2.682	2.524	2.190
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8587612

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.869

VS = 2.008

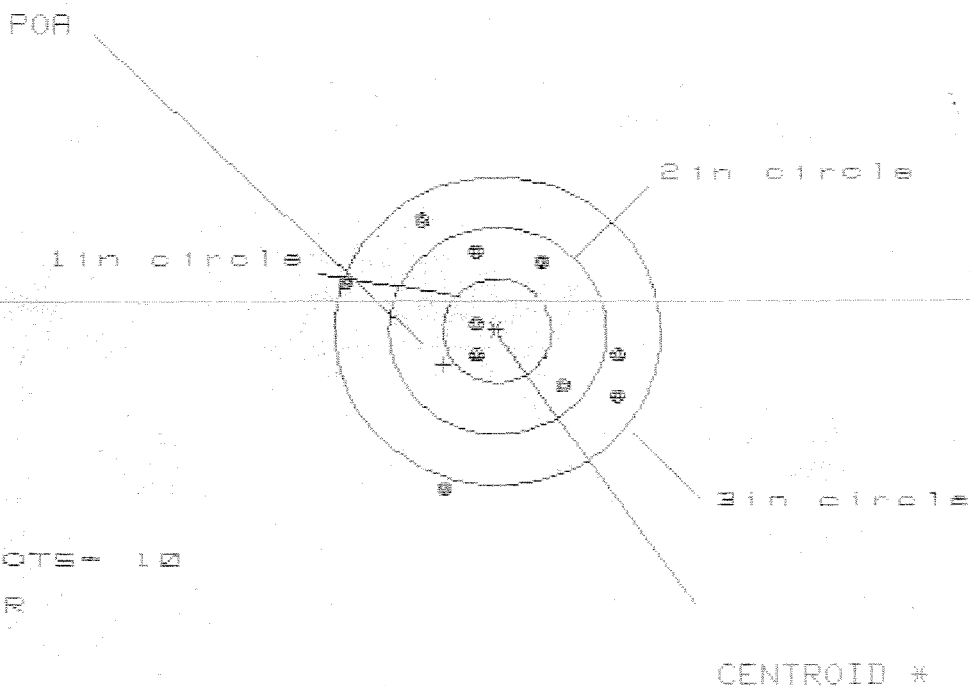
GS = 3.289

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.447	1.289	1.204
MINIMUM X	-1.422	-1.234	-1.073
MAXIMUM Y	1.149	1.056	1.140
MINIMUM Y	-.859	-.952	-.868
CENTROID X	.031	.189	.028
CENTROID Y	.320	.413	.329
POA TO CENTROID in.	.321	.455	.330
MIN RADIUS	.171	.309	.164
MEAN RADIUS	1.011	.955	.852
MAX RADIUS	1.652	1.559	1.389
HORIZONTAL SPREAD	2.869	2.523	2.277
VERTICAL SPREAD	2.008	2.008	2.008
EXTREME SPREAD	3.289	3.002	2.742
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE PATT/C6582812

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.513

VS = 2.651

GS = 2.677

PATTERN #

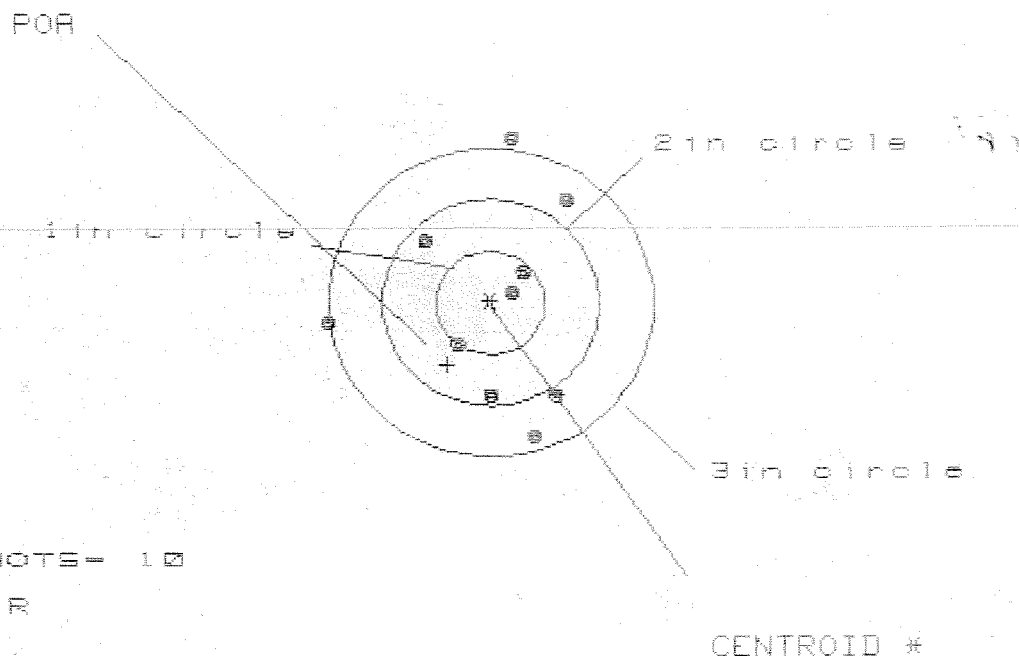
3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.142	1.083	.904
MINIMUM X	-1.371	-1.430	-.970
MAXIMUM Y	1.111	.940	.974
MINIMUM Y	-1.540	-.781	-.747
CENTROID X	.495	.554	.733
CENTROID Y	.326	.497	.463
POA TO CENTROID in.	.592	.744	.867
MIN RADIUS	.193	.272	.432
MEAN RADIUS	.970	.893	.823
MAX RADIUS	1.629	1.456	1.375
HORIZONTAL SPREAD	2.513	2.513	1.874
VERTICAL SPREAD	2.651	1.721	1.721
EXTREME SPREAD	2.677	2.677	2.507
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587612

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.189

VS= 2.927

GS= 2.934

PATTERN #

4

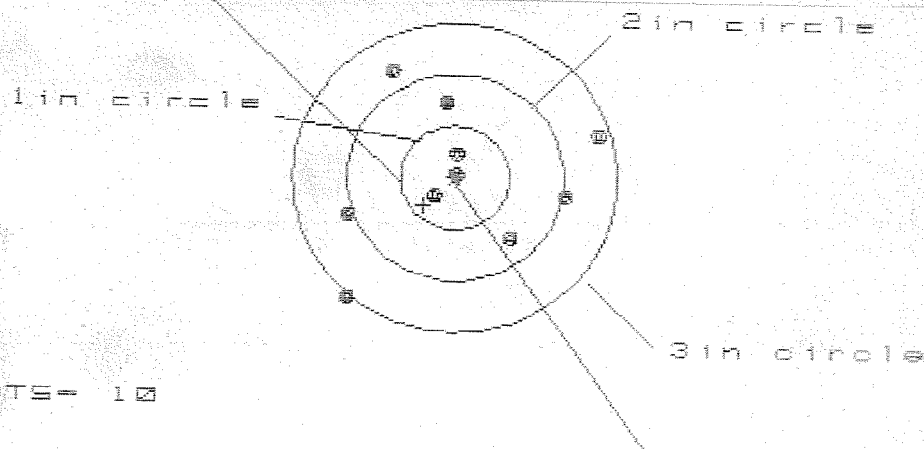
	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.705	.727	.545
MINIMUM X	-1.484	-1.462	-.754
MAXIMUM Y	1.646	1.216	1.218
MINIMUM Y	-1.281	-1.098	-1.096
CENTROID X	.403	.381	.563
CENTROID Y	.599	.416	.414
POA TO CENTROID in.	.722	.564	.699
MIN RADIUS	.202	.345	.286
MEAN RADIUS	.973	.889	.806
MAX RADIUS	1.658	1.462	1.334
HORIZONTAL SPREAD	2.189	2.189	1.299
VERTICAL SPREAD	2.927	2.314	2.314
EXTREME SPREAD	2.934	2.498	2.334
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

5 Mar 1968

FILE: /PATTERNING/CENTERFIRE_PATT/C6587612

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.297

VS = 2.130

GS = 2.774

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.279	1.168	1.097
MINIMUM X	-1.018	-1.129	-0.983
MAXIMUM Y	.995	.869	.910
MINIMUM Y	-1.135	-0.680	-0.639
CENTROID X	.286	.397	.251
CENTROID Y	.271	.397	.356
POA TO CENTROID in.	.394	.561	.436
MIN RADIUS	.047	.084	.049
MEAN RADIUS	.815	.738	.654
MAX RADIUS	1.511	1.241	1.134
HORIZONTAL SPREAD	2.297	2.297	2.080
VERTICAL SPREAD	2.130	1.549	1.549
EXTREME SPREAD	2.774	2.446	2.088
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587612

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 0023759 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5 1/2			5/7/96	WB
	G) Safety Off Force	3	3	3			5/7/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.025	.024	.024			5/7/96	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							
	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	2.46	2.52	2.59	2.46	5/7/96	WB
	C) Function							
660	Pack							

Remington® **DU PONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO.
C6587612

ORDER NO.
5716

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

20

5716 C6587612



UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587612

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		11/7/90	WR
	Magnaflux Bolt		11/7/90	WR
615	Rollmark Caliber		11/7/90	WR
617	Drill and Tap Sight Holes		11/8/90	WR
618	Polish Barrel <i>WR</i>		11/9/90	WR
620	Apply Coatings (Barrel Action)		11/9/90	WR
	Apply Coating (Bolt)		11/9/90	WR
625	Final Assembly		11/12/90	WR
	A) Clean inside of Bolt Assembly		11/12/90	WR
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	WR
	C) Inspect Ejector Hole for Chamfer		11/12/90	WR
	D) Oil Firing Pin Ass'y		11/12/90	WR
	E) Adjust Trigger Pull to Min Setting and Stake		11/30/90	WR

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	3.5	3.5	3.	11/24/90	JS
	G) Safety Off Force	3	3	3	11/30/90	JS
	H) Trigger Pull Test & Retainability				11/30/90	JS
	I) Firing Pin Indent	.020	.020	.020	11/30/90	JS
	J) Assemble Stock				12/6/90	RW
	K) Assemble Swivel Studs				12-8-90	JS
	L) Attach Front and Rear Sight Assemblies				12/6/90	RW
	M) Iron Sight Alignment				12/6/90	RW
	N) Detach Front & Rear Sights & place in numbered container				12/6/90	RW
	O) Attach Scope to Rifle				12/6/90	RW
	P) Detach & Attach Scope 20 Times				12/6/90	RW
640	Gallery Target & Test				12/6/90	JS
	A) Time					JS
	B) Malfunctions					JS
	C) Pierced Primers					JS
	D) Optical Clarity of Scope					JS
645	Inspect for Live Ammo				12/6/90	JS
655	Final Inspection					
	A) Headspace				12-8-90	JS
	B) Trigger Pull	268	269	274	12-8-90	JS
	C) Function				12-8-90	JS
660	Pack				12/19/90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06587612DATE 11-30-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.37	2.15	268	MIN. SETTING,
PULL #2	2.38	2.43	2.39	269	NO AVG. OF 5
PULL #3	2.41	2.22	2.47	274	READINGS ACCEPT-
PULL #4	2.47	2.15	2.44	259	ABLE LESS THAN 2#
PULL #5	2.39	2.39	2.39	281	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.40		
PULL #2	3.25	3.45		
PULL #3	3.20	3.43		
PULL #4	3.24	3.41		
PULL #5	3.44	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	4.21	4.24		4.30
PULL #2	4.22	4.24		4.33
PULL #3	4.25	4.25		4.34
PULL #4	4.19	4.26		4.35
PULL #5	4.18	4.27		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587612
7 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.103228
1 TO	2	.0666108
1 TO	3	.506475
1 TO	4	.147868
1 TO	5	.233529

3.46 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0498
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0432
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0659263
THE AMR FOR THIS RIFLE IS: .8534.

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587712.1

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.709

VS= 3.200

GS= 3.215

CENTROID #

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.857

.838

.852

MINIMUM X

-.852

-.871

-.857

MAXIMUM Y

1.994

1.156

1.032

MINIMUM Y

-1.206

-.984

-1.065

CENTROID X

.084

.103

.088

CENTROID Y

-.060

-.282

-.159

POA TO CENTROID in.

.103

.300

.182

MIN RADIUS

.174

.362

.252

MEAN RADIUS

.952

.845

.802

MAX RADIUS

2.002

1.157

1.107

HORIZONTAL SPREAD

1.709

1.709

1.709

VERTICAL SPREAD

3.200

2.140

2.097

EXTREME SPREAD

3.215

2.141

2.130

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587712.1

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.888

VS= 1.916

GS= 2.086

PATTERN #

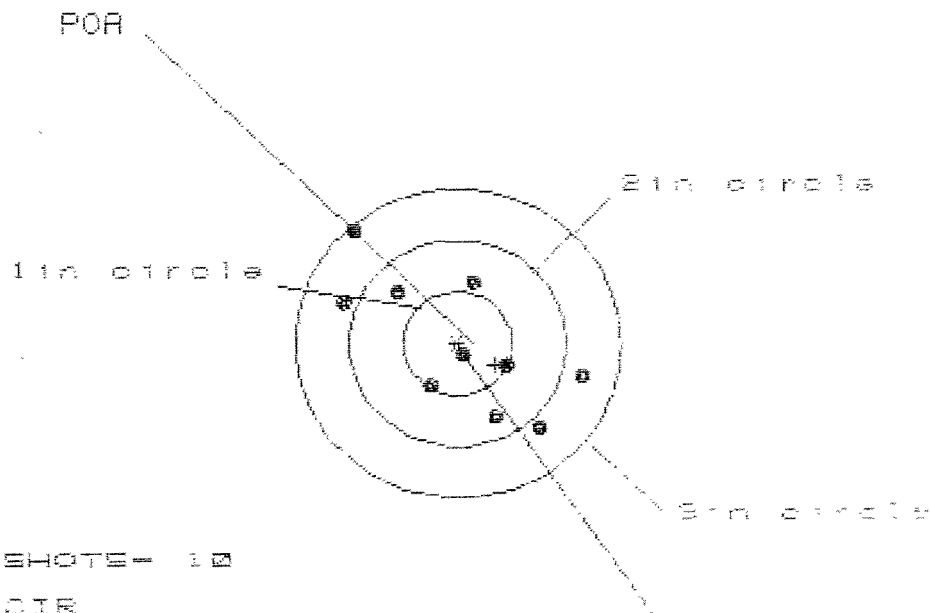
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.068	.725	.784
MINIMUM X	-.820	-.701	-.642
MAXIMUM Y	.971	.925	.908
MINIMUM Y	-.945	-.991	-.875
CENTROID X	.030	-.089	-.148
CENTROID Y	-.021	.025	-.091
POA TO CENTROID in.	.037	.092	.173
MIN RADIUS	.207	.081	.125
MEAN RADIUS	.858	.802	.768
MAX RADIUS	1.146	1.071	.992
HORIZONTAL SPREAD	1.888	1.426	1.426
VERTICAL SPREAD	1.916	1.916	1.783
EXTREME SPREAD	2.086	1.917	1.851
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587712.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

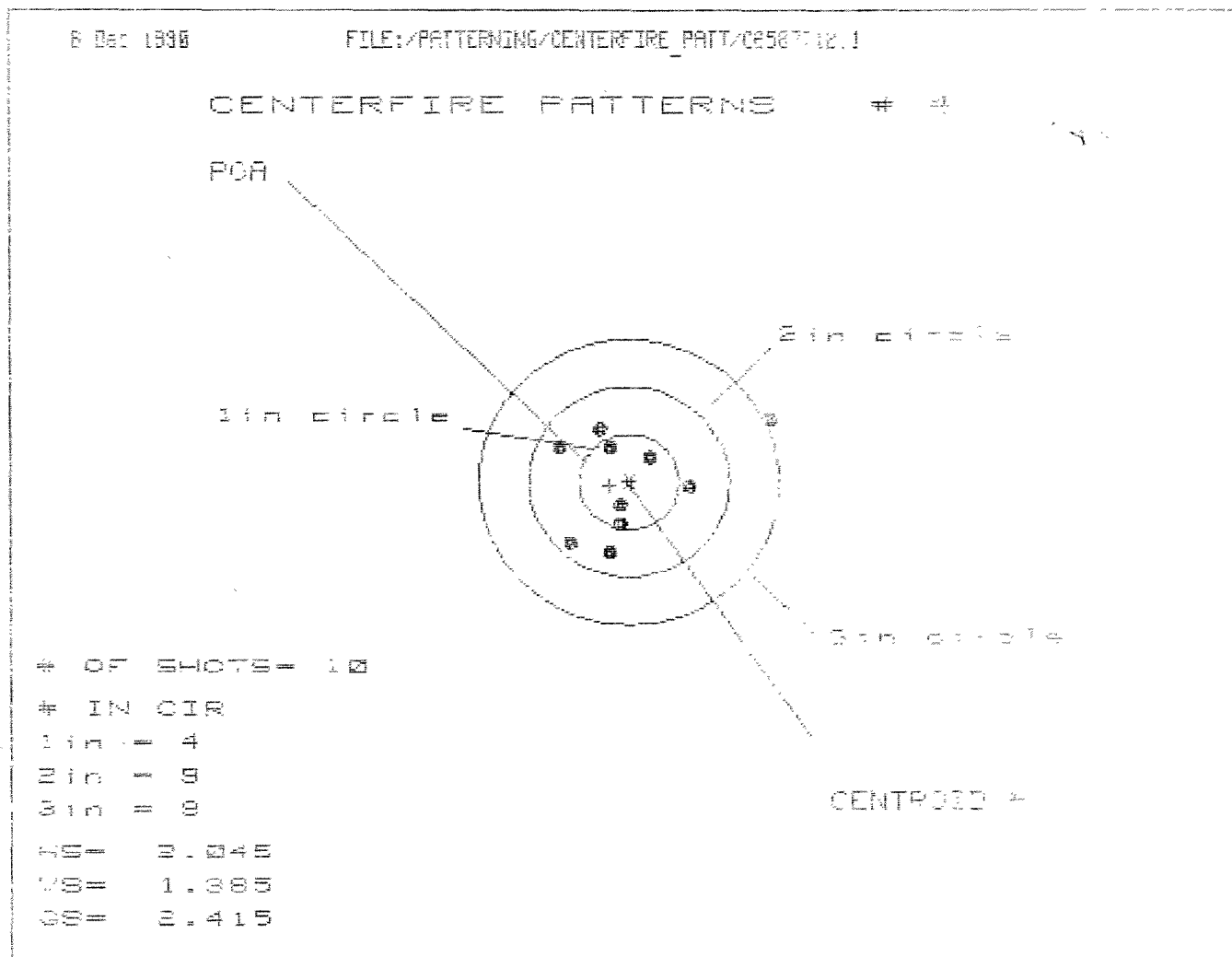
HS= 2.192

VS= 1.978

GS= 2.604

CENTROID =

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.151	1.044	.760
MINIMUM X	-1.041	-1.148	-1.017
MAXIMUM Y	1.137	.739	.719
MINIMUM Y	-.841	-.715	-.735
CENTROID X	-.347	-.240	-.371
CENTROID Y	.206	.080	.100
POA TO CENTROID in.	.403	.253	.334
MIN RADIUS	.156	.020	.113
MEAN RADIUS	.829	.719	.687
MAX RADIUS	1.486	1.262	1.136
HORIZONTAL SPREAD	2.192	2.192	1.777
VERTICAL SPREAD	1.978	1.454	1.454
EXTREME SPREAD	2.604	2.297	2.167
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

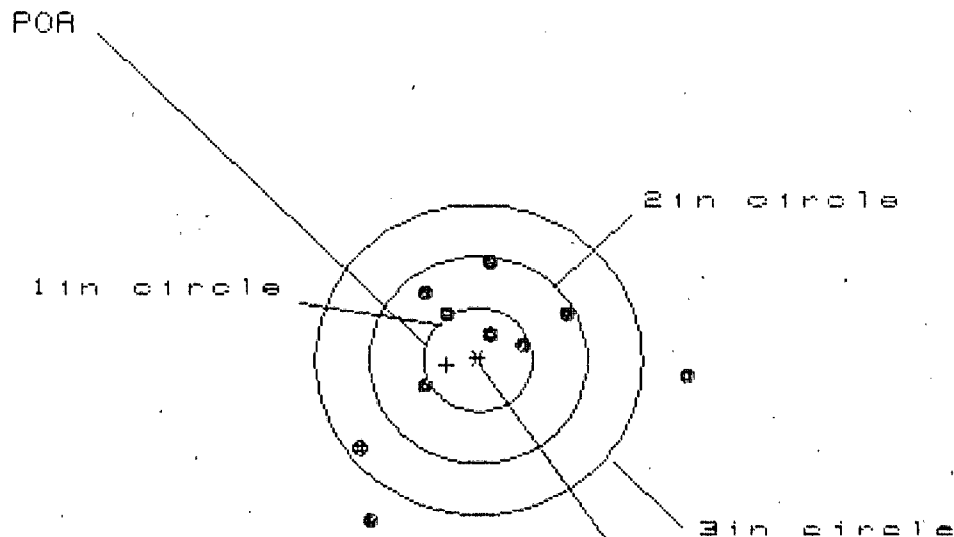


PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.392	.752	.693
MINIMUM X	-.653	-.498	-.557
MAXIMUM Y	.645	.639	.562
MINIMUM Y	-.740	-.668	-.745
CENTROID X	.192	.037	.096
CENTROID Y	.041	-.031	.046
POA TO CENTROID in.	.196	.048	.105
MIN RADIUS	.259	.198	.257
MEAN RADIUS	.665	.551	.517
MAX RADIUS	1.534	.773	.754
HORIZONTAL SPREAD	2.045	1.250	1.250
VERTICAL SPREAD	1.385	1.307	1.307
EXTREME SPREAD	2.415	1.384	1.310
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587712.1

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 8

HS = 3.056

VS = 2.489

GS = 3.278

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.940

1.041

.938

MINIMUM X

-1.116

-.900

-1.003

MAXIMUM Y

.962

.946

.753

MINIMUM Y

-1.526

-1.543

-1.058

CENTROID X

.290

.074

.177

CENTROID Y

.050

.067

.260

POA TO CENTROID in.

.294

.100

.314

MIN RADIUS

.268

.394

.243

MEAN RADIUS

.963

.847

.677

MAX RADIUS

1.946

1.747

1.458

HORIZONTAL SPREAD

3.056

1.941

1.941

VERTICAL SPREAD

2.489

2.489

1.811

EXTREME SPREAD

3.278

2.726

2.317

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8