

C6225430

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Number: **RE00018387** Serial: C6225430 Model: 700 Center Fire Caliber: 7.62 NA10 M24 (SW5) Repairman: Status: Closed 12/5/00 8:18:04 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **COMMANDER** **COMMANDER**

Address 1: **HSC 3/10 SFG (A)** **HSC 3/10 SFG (A)**

Address 2: PO Box: PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FPL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Pool:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A009	With Swivel	1
A015	Scope Mounts	1
A017	Scope Base	1
A025	Scope	1

Repair Search **Refresh** **Close**

maglev 12/5/00 9:27 AM NUM

Start [Icons] 9:27 AM

Number: **C6225430**

Model: **700**



RE00018387

Final Inspection

Sn: C6225430

DATE REC'D: 11-30-00

DATE RET'D:

Auditor: CK

Item:

Barrel Assy.

- ☐ BARREL
- ☐ RECEIVER
- ☐ FRONT SIGHT BLOCK
- ☐ REAR SIGHT BLOCK
- ☐ SCREWS
- ☐ FINISH

Scope Assy.

- ☐ Scope
- ☐ Scope Rings
- ☐ Mounting Screws
- ☐ Mounting Base
- ☐ Screws
- ☐ Finish
- ☐ Looseness
- ☐ Clarity

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☐ Stock
- ☒ Sling Swivel Studs
- ☐ ADJUSTABLE BUTT PLATE
- ☐ LOCK NUTS
- ☐ BARREL CLEARANCE
- ☐ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ IRON SIGHTS
- ☐ Deployment Kit

Trigger

- ☐ SAFETY OPERATION
- ☐ SET
- ☐

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER		18387	
SERIAL NUMBER		C6225430	
LOG-IN DATE		11-30-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-4-00	C/K
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-6-00	CK
605	CHECK HEADSPACE	12-6-00	C/K
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-16-00	C/K
655	FINAL INSPECT	12-24-00	C/K
660	PACK		
		SHIP DATE	
OAR INSPECTION DATE			

BARBER - M24 0060625

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225430

16 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0106

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.051

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0520899

THE AMR FOR THIS RIFLE IS: 1.108

CENTROIDAL DISTANCES

0 TO	1	.0756042
1 TO	2	.136781
1 TO	3	.272855
1 TO	4	.568339
1 TO	5	.33536

5
3
+2 <----POA

4

BARBER - M24 0060626

REMINGTON CENTERFIRE ACCURACY TEST

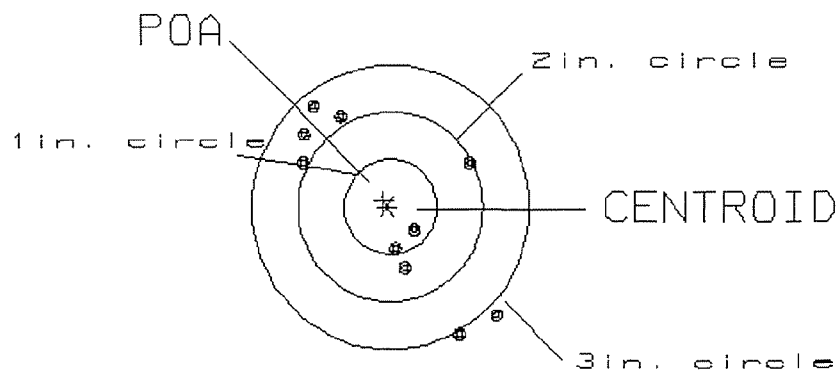
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .076
 MIN RADIUS : .375
 MEAN RADIUS : 1.031
 MAX RADIUS : 1.590
 CENTROID X : .046
 CENTROID Y : -.060

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.10

2

VS= 2.38

4

GS= 2.93

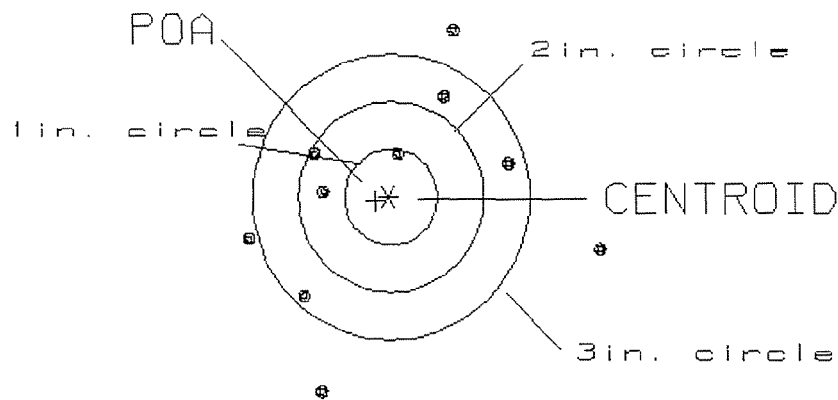
9

PATTERN #: 2
 POA TO CENTROID: .143
 MIN RADIUS : .430
 MEAN RADIUS : 1.402
 MAX RADIUS : 2.339
 CENTROID X : .136
 CENTROID Y : .043

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.86

1

VS= 3.78

3

GS= 4.05

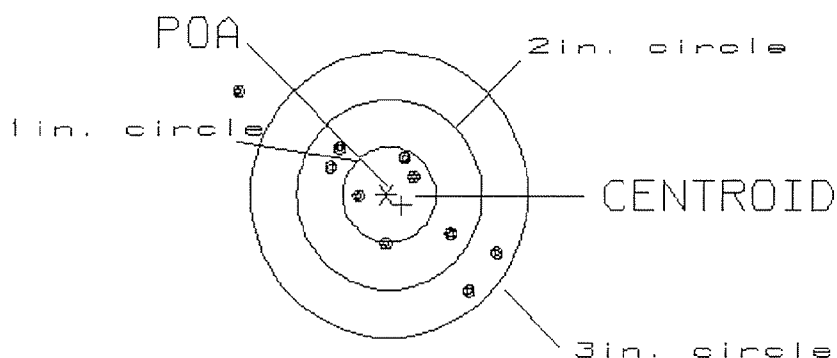
6

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .200
 MIN RADIUS : .293
 MEAN RADIUS : .826
 MAX RADIUS : 1.987
 CENTROID X : -.165
 CENTROID Y : .113

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.78

3

VS= 2.11

7

GS= 3.30

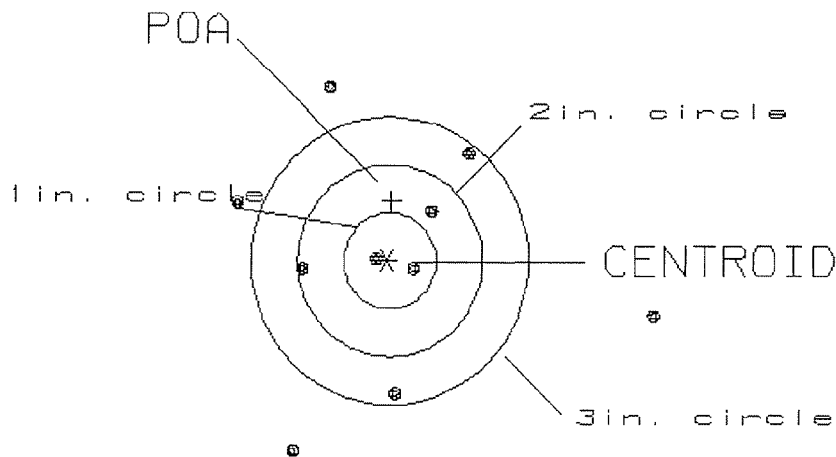
9

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .622
 MIN RADIUS : .152
 MEAN RADIUS : 1.359
 MAX RADIUS : 2.909
 CENTROID X : -.051
 CENTROID Y : -.620

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.49

2

VS= 3.80

4

GS= 4.65

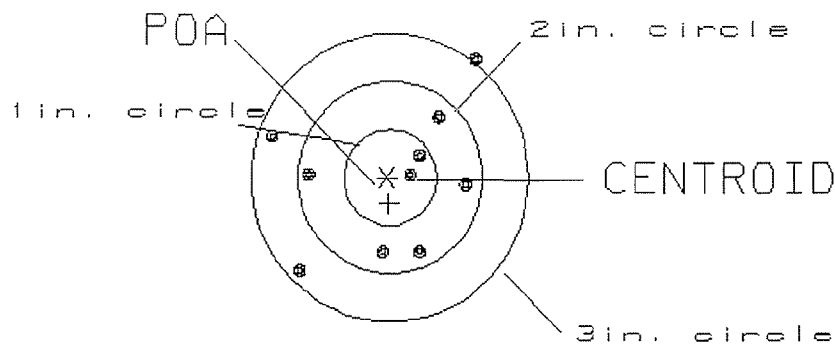
6

PATTERN #: 5
 POA TO CENTROID: .270
 MIN RADIUS : .226
 MEAN RADIUS : .920
 MAX RADIUS : 1.518
 CENTROID X : -.019
 CENTROID Y : .269

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.27

2

VS= 2.19

7

GS= 2.93

9

BARBER - M24 0060631

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225430
11 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.5488
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0678
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .552972

THE AMR FOR THIS RIFLE IS: 1.415

CENTROIDAL DISTANCES

Ø TO	1	.910844
1 TO	2	1.48969
1 TO	3	1.54374
1 TO	4	2.62763
1 TO	5	2.45875

3
2

1

+ <----POA

4

5

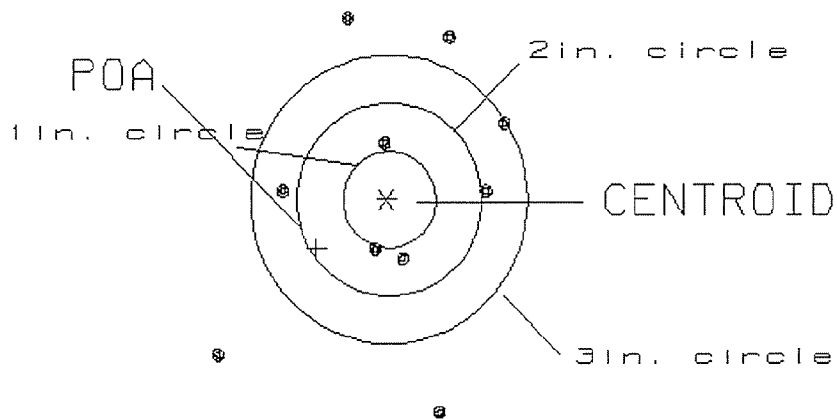
PATTERN #: 1

POA TO CENTROID: .911
 MIN RADIUS : .540
 MEAN RADIUS : 1.382
 MAX RADIUS : 2.460
 CENTROID X : .754
 CENTROID Y : .511

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.08

0

VS= 4.13

3

GS= 4.23

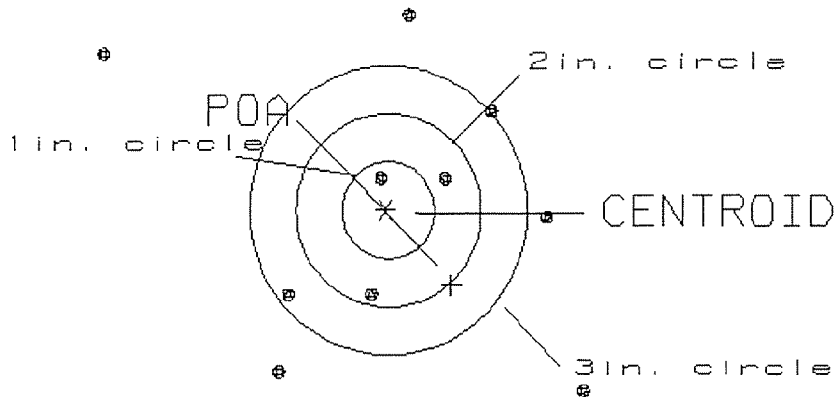
6

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: 1.049
 MIN RADIUS : .350
 MEAN RADIUS : 1.691
 MAX RADIUS : 3.449
 CENTROID X : -.713
 CENTROID Y : .770

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 5.12

1

VS= 3.69

3

GS= 6.18

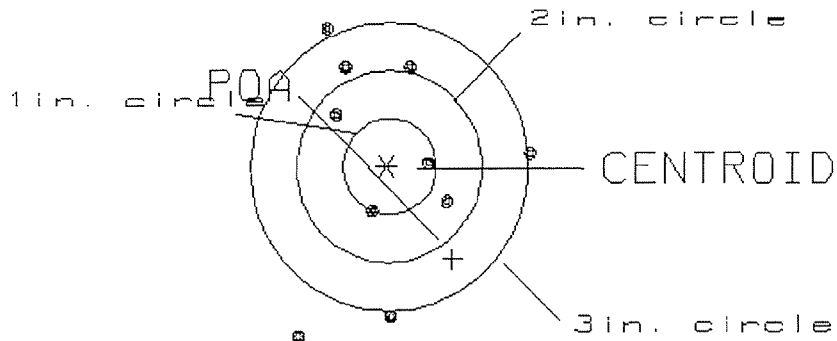
4

PATTERN #: 3
 POA TO CENTROID: 1.202
 MIN RADIUS : .401
 MEAN RADIUS : 1.141
 MAX RADIUS : 2.062
 CENTROID X : -.723
 CENTROID Y : .960

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.57

2

VS= 3.26

4

GS= 3.28

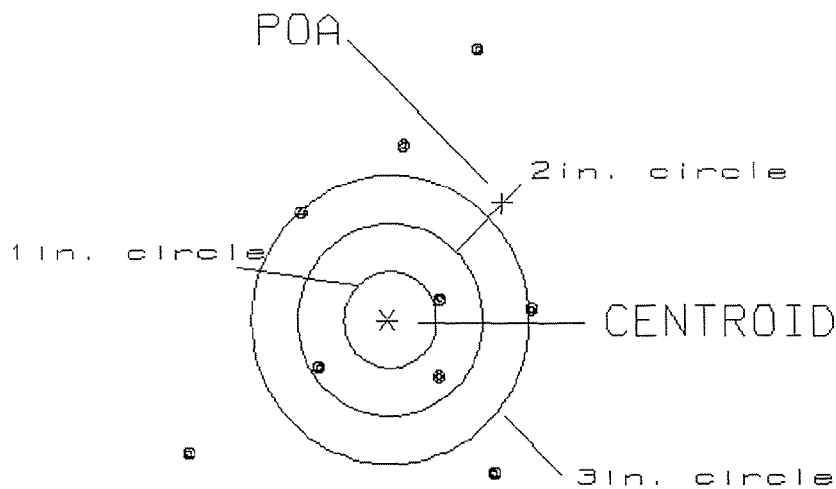
6

PATTERN #: 4
 POA TO CENTROID: 1.727
 MIN RADIUS : .584
 MEAN RADIUS : 1.662
 MAX RADIUS : 2.962
 CENTROID X : -1.229
 CENTROID Y : -1.213

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.65
 VS= 4.76
 GS= 5.24

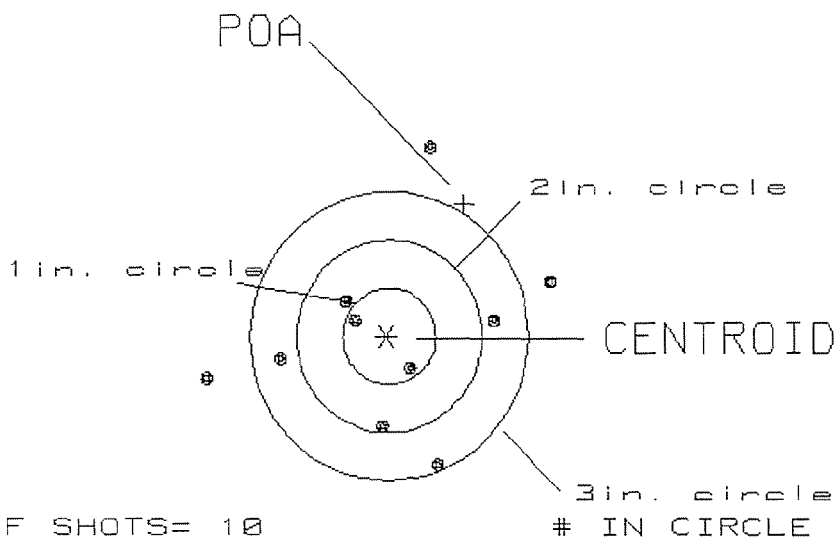
0
 3
 4

PATTERN #: 5
 POA TO CENTROID: 1.601
 MIN RADIUS : .409
 MEAN RADIUS : 1.199
 MAX RADIUS : 1.995
 CENTROID X : -.833
 CENTROID Y : -1.367

11 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225430

CENTERFIRE PATTERN # 5



HS=	3.69	2
US=	3.27	4
GS=	3.81	7

Remington[®]

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

DUPONT

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

MODEL 700TM M24

SERIAL NO. C6225430

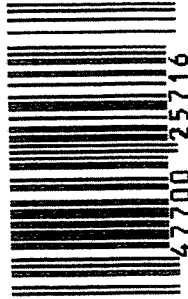
ORDER NO. 5716

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

Ø 1



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225430

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 89		RW
600	Proof	4 12 89		RW
607	Check Headspace	4 12 89		RW
610	Dis-assemble Gun	4 12 89		RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/14/89	DS
617	Drill and Tap Sight Holes	4 14 89		FB
618	Polish Barrel RB	4 14 89		BT
620	Apply Coatings (Barrel Action)		4-20-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	DS

op. #	BARBER - M24 0060639 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/26/89	JU
	G) Safety Off Force	3	3	3			4/26/89	JU
	H) Trigger Pull Test & Retainability						4/26/89	S.S.
	I) Firing Pin Indent	.020	.020	.020			4/26/89	JU
	J) Assemble Stock						4/27/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						4/27/89	RW
	M) Iron Sight Alignment						4/27/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/27/89	RW
	O) Attach Scope to Rifle						4/27/89	JU
	P) Detach & Attach Scope 20 Times						4/27/89	JU
640	Gallery Target & Test	53 R	99L				4/27/89	K
	A) Time						4/27/89	K
	B) Malfunctions						4/27/89	K
	C) Pierced Primers						4/27/89	K
	D) Optical Clarity of Scope						4/27/89	K
645	Inspect for Live Ammo						4/27/89	K
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.48	2.49	2.54	2.53	2.59	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						27 June 89	JS

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

SERIAL NO. C6225430
DATE 24 Apr 1989
TESTER JDS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.41	2.13	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.40	2.08	2.49	
PULL #3	2.46	2.49	2.07	2.54	
PULL #4	2.25	2.36	2.09	2.53	
PULL #5	2.27	2.64	2.10	2.59	
TOTAL	11.78	12.30	10.47	12.63	
AVG.	2.356	2.46	2.094	2.526	

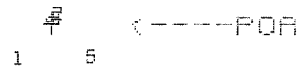
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	2.70		
PULL #2	3.02	2.81		
PULL #3	3.02	2.73		
PULL #4	2.98	2.78		
PULL #5	2.91	2.79		
TOTAL	15.07	13.81		
AVG.	3.014	2.762		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.00		4.45
PULL #2	4.23	4.02		4.41
PULL #3	4.20	4.08		4.32
PULL #4	4.18	4.02		4.30
PULL #5	4.14	4.03		4.29
TOTAL	21.08	20.15		21.77
AVG.	4.216	4.03		4.354

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225430
28 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.843645
1 TO	2	1.1095
1 TO	3	1.02149
1 TO	4	.928591
1 TO	5	1.35033

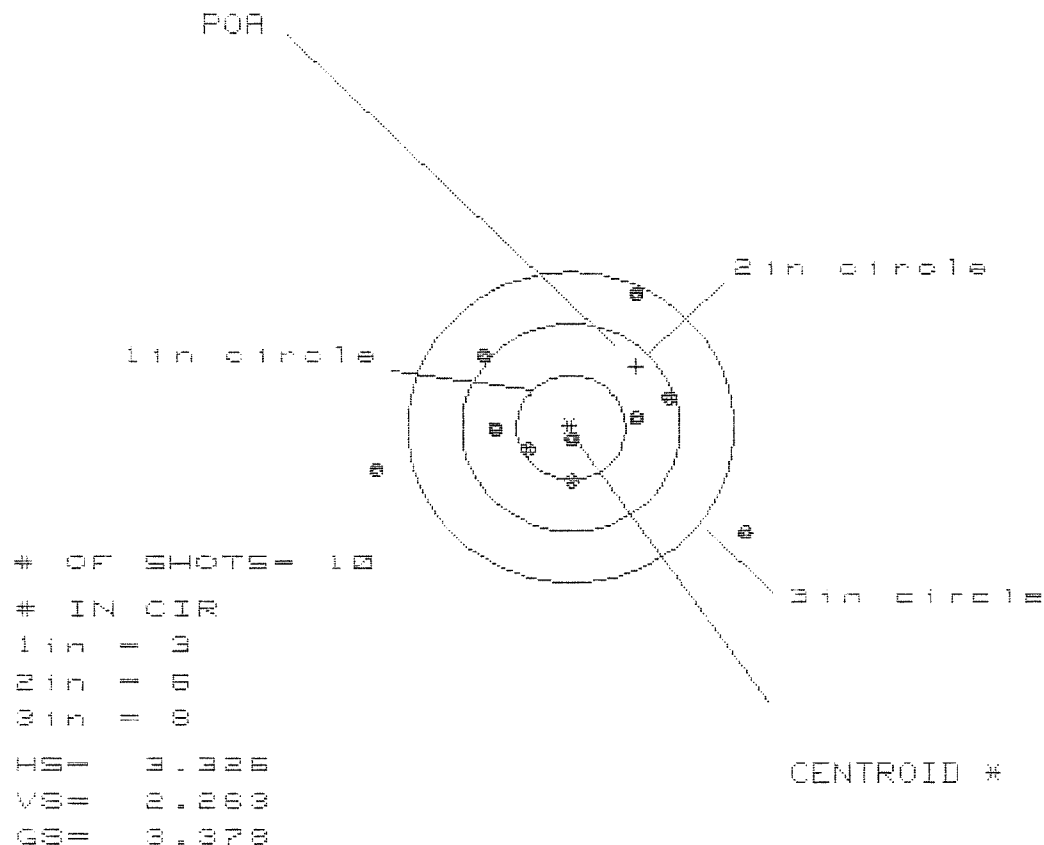


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0748
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1278
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .148081
 THE AMR FOR THIS RIFLE IS: 1.008

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225430

CENTERFIRE PATTERNS # 1

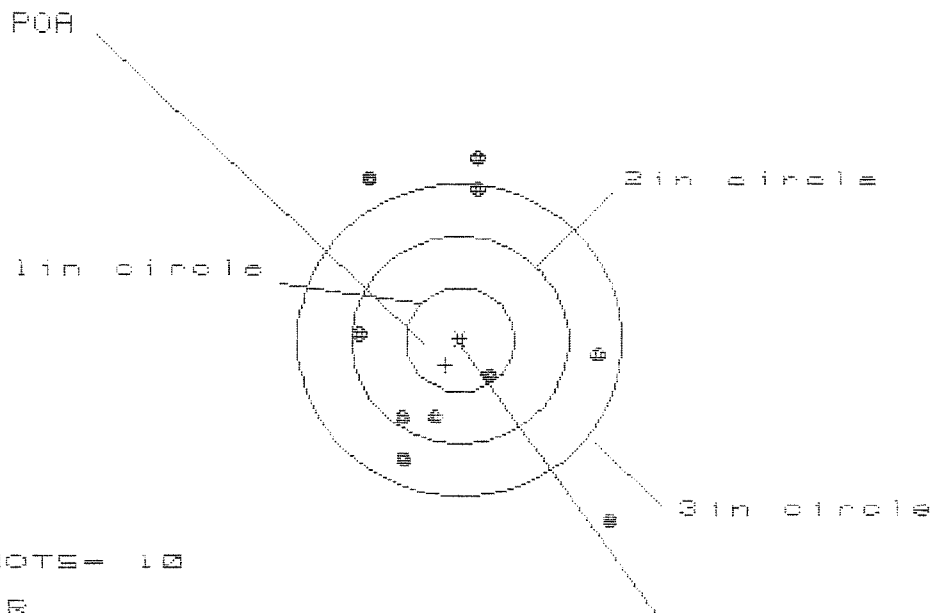


PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.564	1.125	.926
MINIMUM X	:	-1.762	-1.588	-.786
MAXIMUM Y	:	1.242	1.128	1.060
MINIMUM Y	:	-1.021	-.606	-.673
CENTROID X	:	-.684	-.778	-.579
CENTROID Y	:	-.589	-.475	-.407
POA TO CENTROID in.	:	.844	.912	.708
MIN RADIUS	:	.128	.273	.310
MEAN RADIUS	:	.942	.844	.743
MAX RADIUS	:	1.868	1.678	1.194
HORIZONTAL SPREAD	:	3.326	2.713	1.712
VERTICAL SPREAD	:	2.263	1.734	1.734
EXTREME SPREAD	:	3.378	2.872	1.837
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225430

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS = 2.276

VS = 3.462

GS = 3.935

CENTROID *

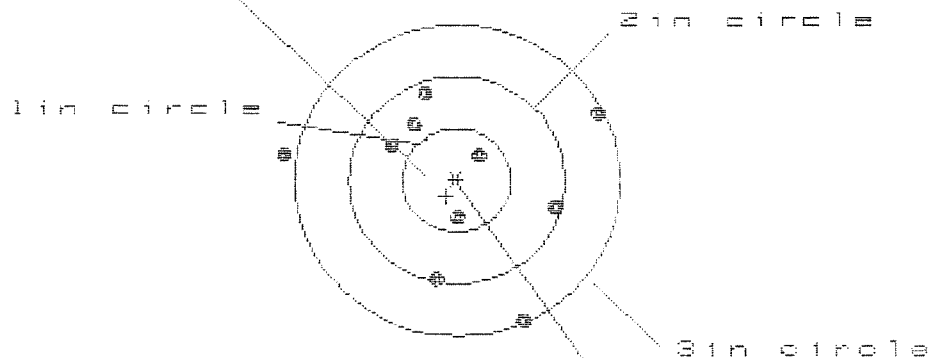
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.321	1.376	1.288
MINIMUM X	-.955	-.808	-.896
MAXIMUM Y	1.721	1.528	1.696
MINIMUM Y	-1.741	-1.338	-1.169
CENTROID X	.130	-.017	.071
CENTROID Y	.243	.436	.268
POA TO CENTROID in.	.275	.436	.277
MIN RADIUS	.460	.702	.518
MEAN RADIUS	1.280	1.188	1.109
MAX RADIUS	2.185	1.557	1.710
HORIZONTAL SPREAD	2.276	2.184	2.184
VERTICAL SPREAD	3.462	2.866	2.866
EXTREME SPREAD	3.935	2.949	2.949
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225430

CENTERFIRE PATTERNS # 3

POB



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.824

VS = 2.147

GS = 2.849

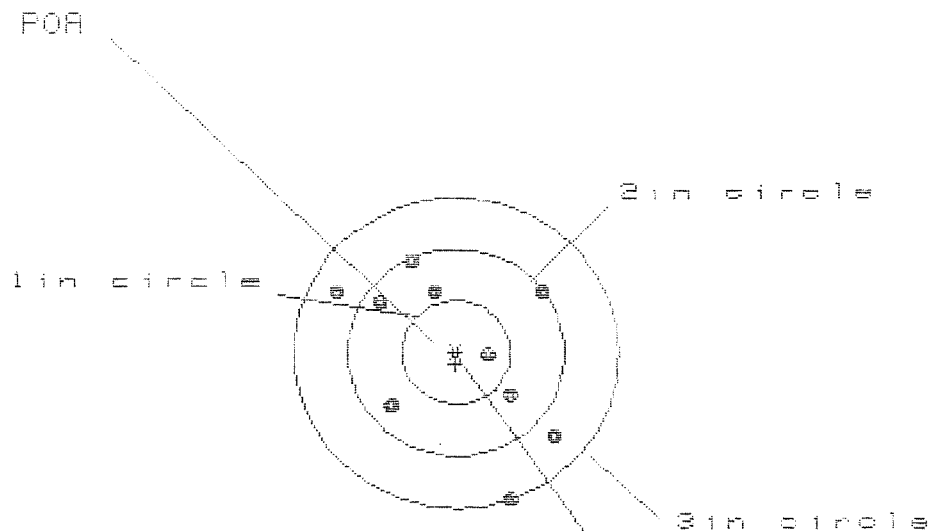
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.260	1.086	1.143
MINIMUM X	:	-1.565	-0.734	-0.677
MAXIMUM Y	:	.903	.835	.671
MINIMUM Y	:	-1.344	-1.312	-1.115
CENTROID X	:	.097	.270	.213
CENTROID Y	:	.154	.122	.286
POB TO CENTROID in.	:	.182	.297	.356
MIN RADIUS	:	.301	.260	.126
MEAN RADIUS	:	.931	.854	.759
MAX RADIUS	:	1.592	1.391	1.263
HORIZONTAL SPREAD	:	2.824	1.820	1.820
VERTICAL SPREAD	:	2.147	2.147	1.786
EXTREME SPREAD	:	2.849	2.336	2.201
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225430

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.945

VS = 2.392

GS = 2.614

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.887
MINIMUM X	-1.058
MAXIMUM Y	.934
MINIMUM Y	-1.458
CENTROID X	.005
CENTROID Y	.112
POA TO CENTROID in.	.112
MIN RADIUS	.289
MEAN RADIUS	.908
MAX RADIUS	1.547
HORIZONTAL SPREAD	1.945
VERTICAL SPREAD	2.392
EXTREME SPREAD	2.614
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225430

CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 1.888

VS= 2.697

GS= 3.069

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.089	1.021	1.120
MINIMUM X	:	-.800	-.867	-.768
MAXIMUM Y	:	1.272	1.113	1.011
MINIMUM Y	:	-1.425	-1.373	-1.234
CENTROID X	:	.746	.813	.714
CENTROID Y	:	-.559	-.400	-.539
POR TO CENTROID in.	:	.932	.906	.895
MIN RADIUS	:	.256	.416	.246
MEAN RADIUS	:	.981	.926	.839
MAX RADIUS	:	1.549	1.375	1.245
HORIZONTAL SPREAD	:	1.888	1.888	1.888
VERTICAL SPREAD	:	2.697	2.486	2.245
EXTREME SPREAD	:	3.069	2.588	2.355
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	