

C6225541

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Remington[®]

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



MODEL 700TM H24

**SERIAL NO.
C6225541**

**ORDER NO.
5716**

Ø1

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



5716 C6225541

UPC



0 47700 25716 7

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00032506** Serial: C6225541 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS WOG 24 of 25 Repairman: Status: New 9/14/01 2:58:29 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEFENCE DIST DEPOT ANNISTON DEFENCE DIST DEPOT ANNISTON

Address 1: 7 FRANKFORD AVE 7 FRANKFORD AVE

Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
X001	Scope Case	1
X002	Deployment Kit	1

Repair Search Refresh Close

naglej 9/17/01 7:51 AM C&S NUM NS SCFL

Start Arms Services Repair & Es... 7:51 AM

Serial Number: **C6225541**

Model: **700**



RE00032506

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225541
8 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3668
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.288
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .466354

THE AMR FOR THIS RIFLE IS: 1.074

CENTROIDAL DISTANCES

0	TO	1	.455567
1	TO	2	.0831505
1	TO	3	.47088
1	TO	4	.595
1	TO	5	.298081

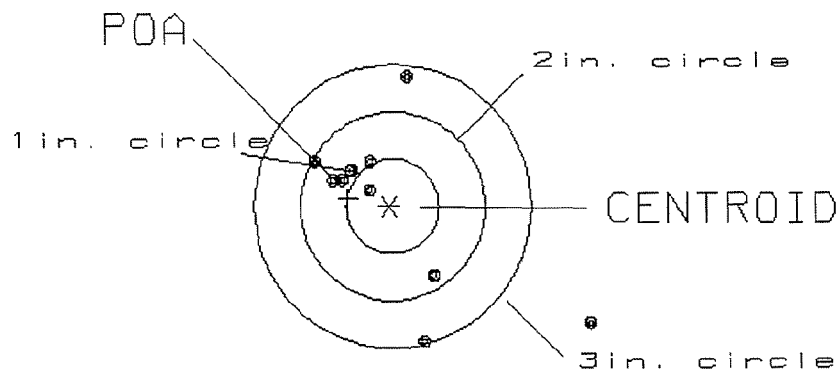
+ 1 <----POA
4 2
 5
 3

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .456
 MIN RADIUS : .273
 MEAN RADIUS : .966
 MAX RADIUS : 2.422
 CENTROID X : .450
 CENTROID Y : -.071

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225541.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.96
 VS= 2.72
 GS= 3.37

1
 7
 9

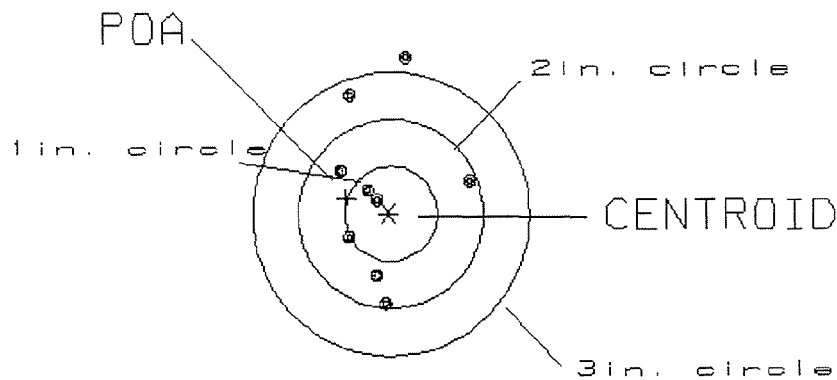
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .480
 MIN RADIUS : .175
 MEAN RADIUS : .987
 MAX RADIUS : 2.586
 CENTROID X : .455
 CENTROID Y : -.154

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225541.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.63
 VS= 4.00
 GS= 4.11

2
 7
 8

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .670

MIN RADIUS : .419

MEAN RADIUS : 1.166

MAX RADIUS : 2.648

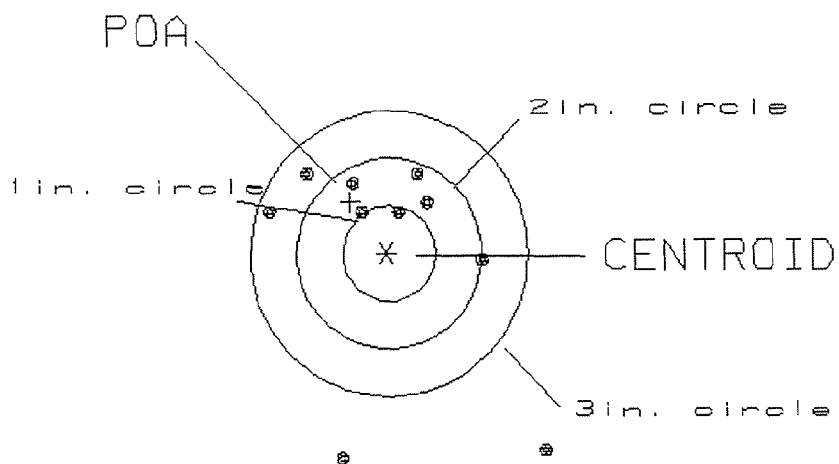
CENTROID X : .398

CENTROID Y : -.539

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225541.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.02

2

VS= 2.98

6

GS= 3.90

8

PATTERN #: 4

POA TO CENTROID: .359

MIN RADIUS : .240

MEAN RADIUS : 1.041

MAX RADIUS : 2.200

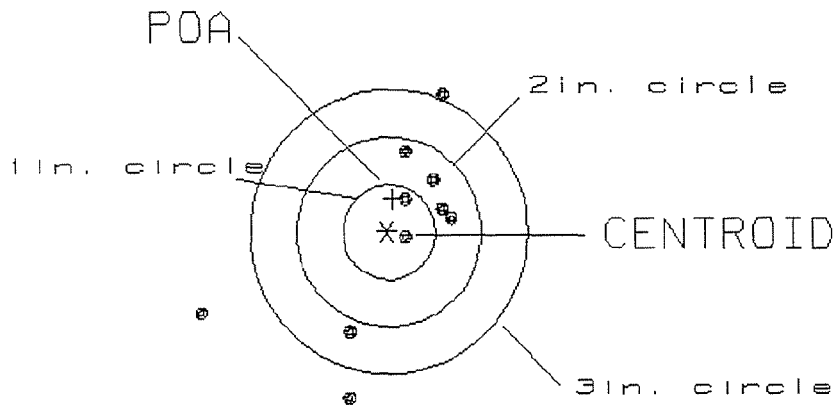
CENTROID X : -.075

CENTROID Y : -.351

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225541.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.76

2

VS= 3.25

6

GS= 3.44

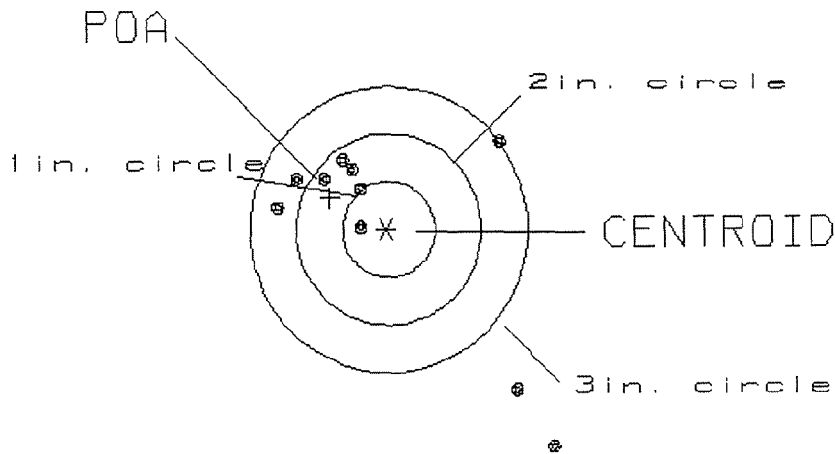
7

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .688
 MIN RADIUS : .293
 MEAN RADIUS : 1.212
 MAX RADIUS : 2.868
 CENTROID X : .606
 CENTROID Y : -.325

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225541.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.95
 VS= 3.18
 GS= 3.88

1
 5
 8

Remington Test Lab, Ilion, N.Y.

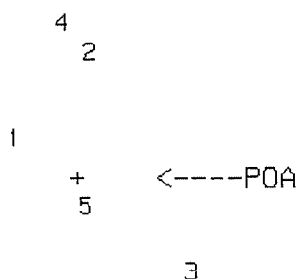
Centroidal distance calculations for Rifle # C6225541
8 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .067
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2664
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .274696

THE AMR FOR THIS RIFLE IS: 1.353

CENTROIDAL DISTANCES

0 TO	1	.511071
1 TO	2	.773837
1 TO	3	1.503
1 TO	4	.841029
1 TO	5	.667315



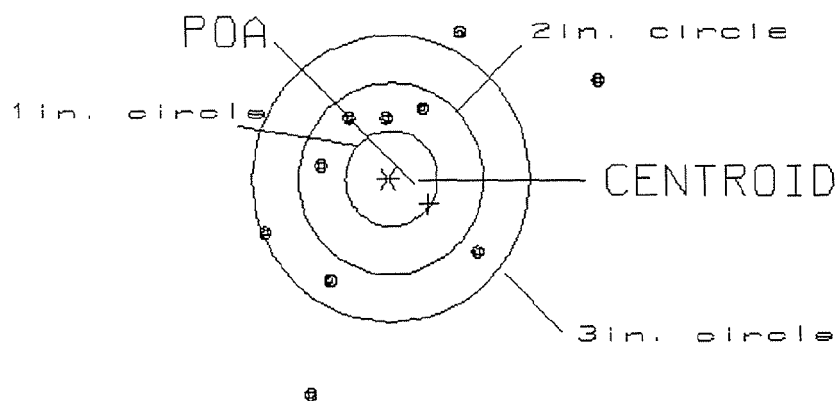
PATTERN #: 1

POA TO CENTROID: .511
 MIN RADIUS : .605
 MEAN RADIUS : 1.343
 MAX RADIUS : 2.432
 CENTROID X : -.437
 CENTROID Y : .265

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225541.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.58

0

VS= 3.74

4

GS= 4.47

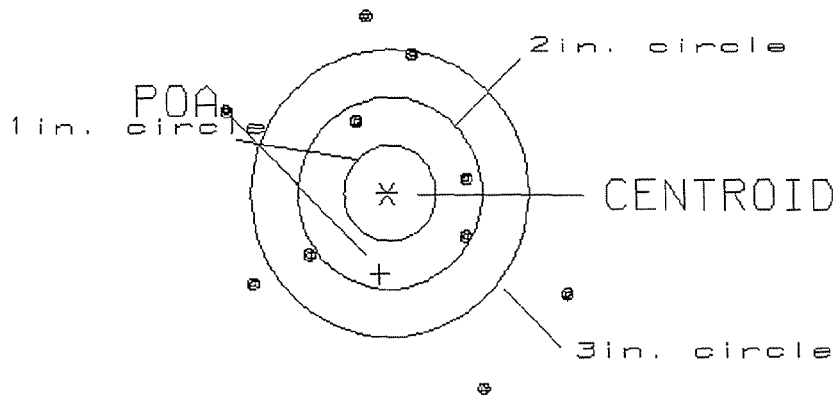
7

PATTERN #: 2
 POA TO CENTROID: .850
 MIN RADIUS : .831
 MEAN RADIUS : 1.522
 MAX RADIUS : 2.235
 CENTROID X : .073
 CENTROID Y : .847

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225541.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.71

0

VS= 3.63

3

GS= 4.18

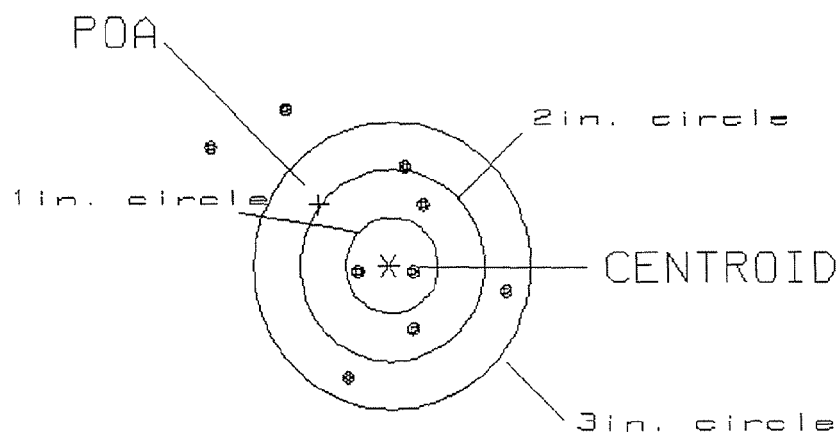
5

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .995
 MIN RADIUS : .258
 MEAN RADIUS : 1.268
 MAX RADIUS : 2.906
 CENTROID X : .766
 CENTROID Y : -.636

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225541.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.81
 VS= 3.89
 GS= 5.14

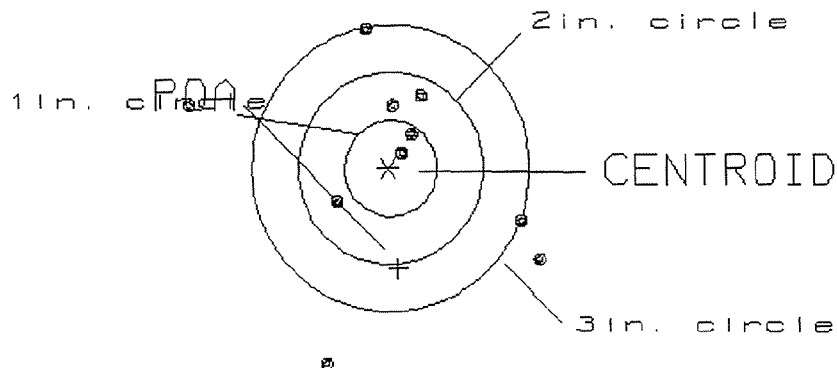
2
 5
 7

PATTERN #: 4
 POA TO CENTROID: 1.051
 MIN RADIUS : .248
 MEAN RADIUS : 1.201
 MAX RADIUS : 2.271
 CENTROID X : -.120
 CENTROID Y : 1.044

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225541.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.78

2

VS= 3.42

5

GS= 4.08

6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

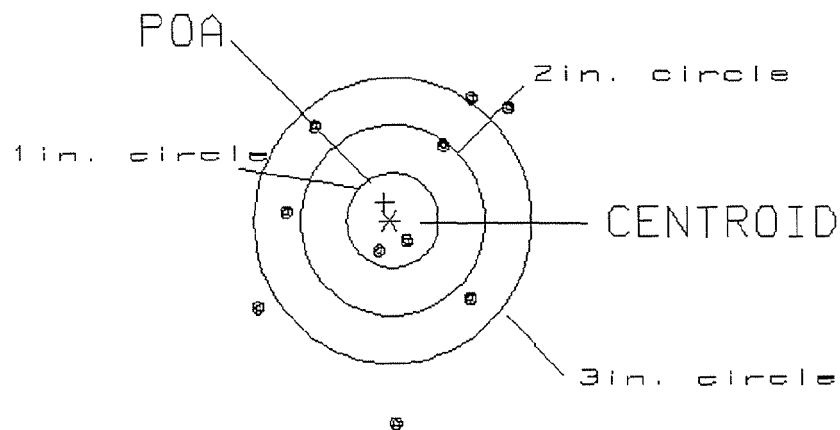
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .195
 MIN RADIUS : .292
 MEAN RADIUS : 1.239
 MAX RADIUS : 2.103
 CENTROID X : .053
 CENTROID Y : -.188

8 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225541.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.63

2

VS= 3.43

3

GS= 3.52

6

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

R & E NUMBER 32506

SERIAL NUMBER C10225541

LOG-IN DATE 9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-17-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	9/20/01	BWT
B	DRILL AND TAP	9/20/01	BWT
C	POLISH	9-20-01	GP
575	ASSEMBLE	9-20-01	RH
600	PROOF	9-21-01	RW
605	CHECK HEADSPACE	9-24-01	RH
610	DIS-ASSEMBLE GUN	9-24-01	RH
612	MAGNAFLUX	OPERATOR #2	
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-2-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-8-01	AC
655	FINAL INSPECT	10-8-01	RH
660	PACK	10-9-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: C622554/

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

EDITOR: KCH

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☒ INON SIGHTS☒ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION☒ SET

Comments:

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225541

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 12	89	RW
600	Proof	6 12	89	RW
607	Check Headspace	6 12	89	RW
610	Dis-assemble Gun	6 12	89	RW
612	Magnaflux Barrel Action		6/21/89	KCR
	Magnaflux Bolt		6/21/89	KCR
615	Rollmark Caliber		6/21/89	JS
617	Drill and Tap Sight Holes	6 26	89	F.B.
618	Polish Barrel	6 26	89	BT
620	Apply Coatings (Barrel Action)		7-12-89	TSB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/14/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/14/89	RW
	C) Inspect Ejector Hole for Chamfer		7/14/89	RW
	D) Oil Firing Pin Ass'y		7/14/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		17 July 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	4			17 July 89	QJL
	G) Safety Off Force	4	3	3			19 July 89	QJL
	H) Trigger Pull Test & Retainability						17 July 89	QJL
	I) Firing Pin Indent	.020	.020	.020			19 July 89	QJL
	J) Assemble Stock						7/18/89	RW
	K) Assemble Swivel Studs						25 July 89	QJL
	L) Attach Front and Rear Sight Assemblies						7/18/89	RW
	M) Iron Sight Alignment						7/18/89	RW
	N) Detach Front & Rear Sights & place in numbered container						7/18/89	RW
	O) Attach Scope to Rifle						7/19/89	QJL
	P) Detach & Attach Scope 20 Times						7/20/89	QJL
640	Gallery Target & Test	54 R	97 L				7-24-89	AC
	A) Time						7-24-89	AC
	B) Malfunctions						7-24-89	AC
	C) Pierced Primers						7-24-89	AC
	D) Optical Clarity of Scope						7-24-89	AC
645	Inspect for Live Ammo						7-24-89	AC
655	Final Inspection							
	A) Headspace						25 July 89	QJL
	B) Trigger Pull	2.35	2.27	2.48	2.58	2.62	25 July 89	QJL
	C) Function						25 July 89	QJL
660	Pack						22 July 89	QJL

SWS TRIGGER PULL TEST

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

5541
SERIAL NO. C1389113
DATE 15 NOV 89
TESTER JSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	260	234	262	254	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	254	230	255	274	
PULL #3	246	237	224	238	
PULL #4	242	241	218	239	
PULL #5	245	243	216	246	
TOTAL	1247	1185	1175	1251	
AVG.	2.494	2.37	2.35	2.502	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	321	322		
PULL #2	319	326		
PULL #3	321	331		
PULL #4	321	303		
PULL #5	318	305		
TOTAL	1600	1587		
AVG.	3.20	3.174		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	416	447		3.95
PULL #2	424	455		3.84
PULL #3	418	401		3.87
PULL #4	438	436		3.99
PULL #5	422	444		4.03
TOTAL	2118	2183		19.68
AVG.	4.236	4.366		3.936

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225541
24 Jul 1989

CENTROIDAL DISTANCES

0 TO	1	.353375
1 TO	2	.309726
1 TO	3	.380554
1 TO	4	.604821
1 TO	5	.99478

$\bar{x} = \frac{1}{5} \sum_{i=1}^5 x_i$ (----FOR

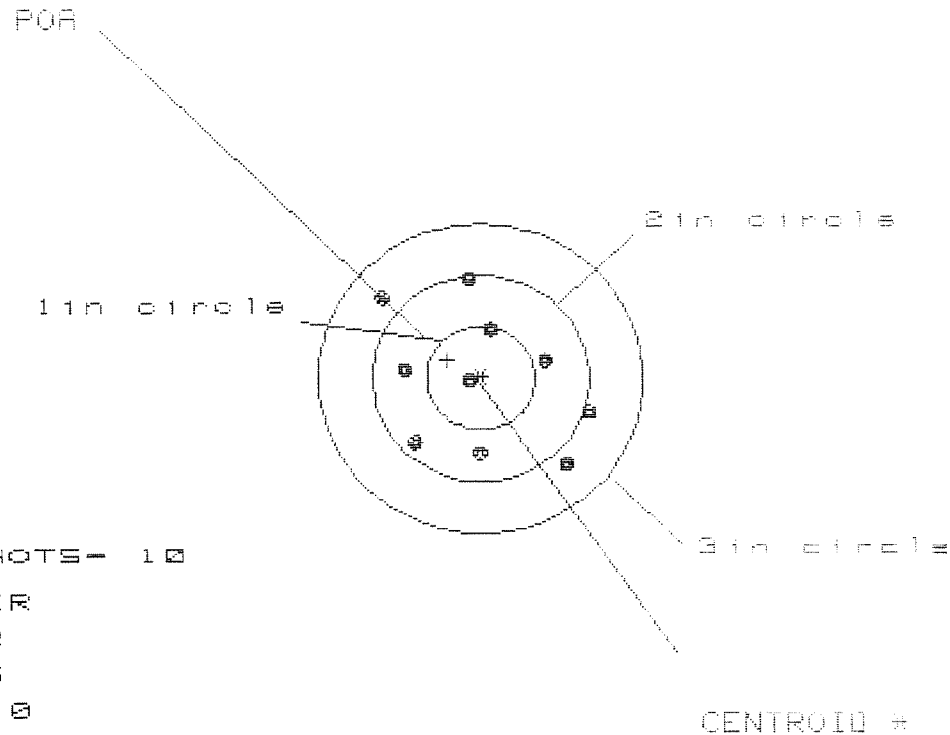
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0514
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0418
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .056251
THE AMR FOR THIS RIFLE IS: .8952

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225541

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 10

HS- 1.979

VS- 1.814

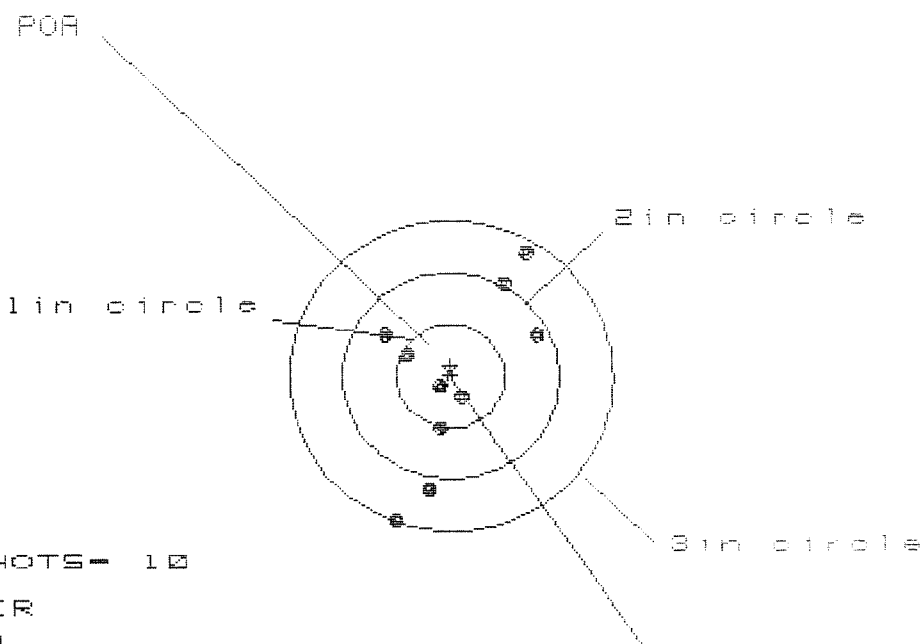
GS- 2.310

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.033	.928	1.011
MINIMUM X	-.946	-.820	-.737
MAXIMUM Y	1.001	1.082	.991
MINIMUM Y	-.813	-.732	-.704
CENTROID X	.307	.412	.329
CENTROID Y	-.175	-.256	-.165
POA TO CENTROID in.	.353	.485	.368
MIN RADIUS	.133	.245	.156
MEAN RADIUS	.789	.745	.698
MAX RADIUS	1.197	1.101	1.058
HORIZONTAL SPREAD	1.979	1.748	1.748
VERTICAL SPREAD	1.814	1.814	1.695
EXTREME SPREAD	2.310	2.011	1.799
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225541

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS= 1.377

VS= 2.607

GS= 2.875

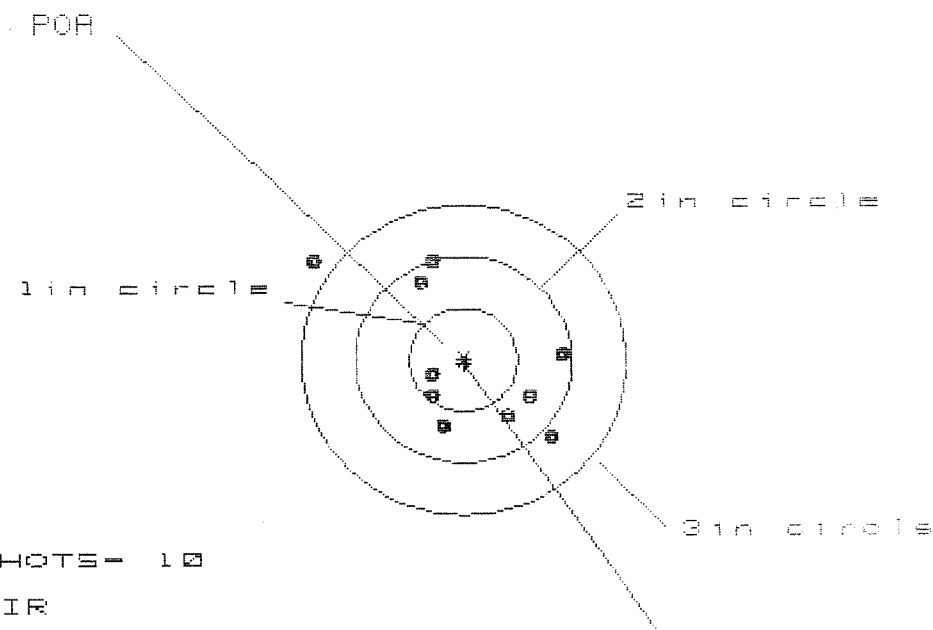
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.761	.704	.784
MINIMUM X	:	-.616	-.673	-.593
MAXIMUM Y	:	1.218	1.064	.877
MINIMUM Y	:	-1.389	-1.279	-1.146
CENTROID X	:	.006	.063	-.017
CENTROID Y	:	-.102	.052	-.081
POA TO CENTROID in.	:	.102	.082	.082
MIN RADIUS	:	.135	.284	.131
MEAN RADIUS	:	.790	.730	.626
MAX RADIUS	:	1.481	1.311	1.165
HORIZONTAL SPREAD	:	1.377	1.377	1.377
VERTICAL SPREAD	:	2.607	2.343	2.023
EXTREME SPREAD	:	2.875	2.520	2.142
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225541

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.316

VS= 1.755

GS= 2.814

CENTROID #

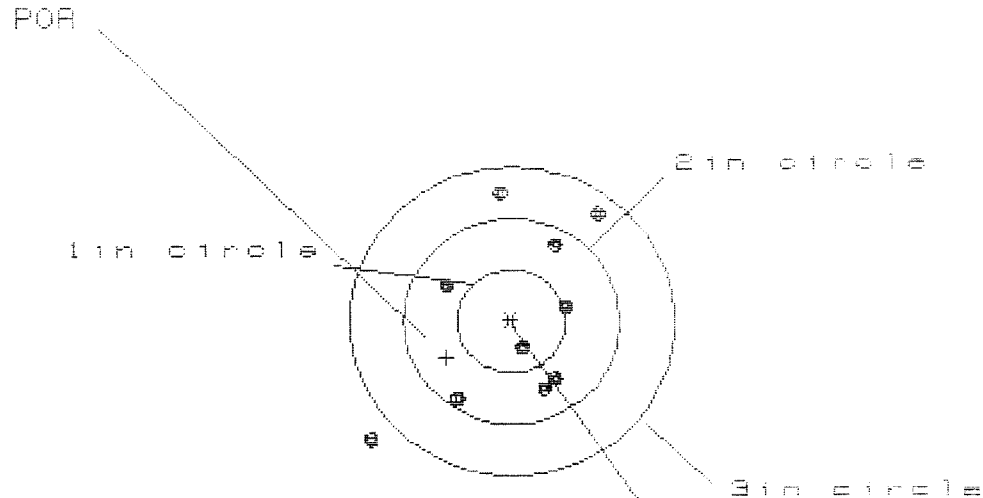
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.955	.804	.891
MINIMUM X	:	-1.361	-.554	-.467
MAXIMUM Y	:	1.001	1.111	1.030
MINIMUM Y	:	-.754	-.644	-.601
CENTROID X	:	-.007	.144	.057
CENTROID Y	:	.040	-.070	.010
POA TO CENTROID in.	:	.041	.160	.058
MIN RADIUS	:	.307	.418	.352
MEAN RADIUS	:	.856	.738	.714
MAX RADIUS	:	1.684	1.215	1.107
HORIZONTAL SPREAD	:	2.316	1.358	1.358
VERTICAL SPREAD	:	1.755	1.755	1.632
EXTREME SPREAD	:	2.814	2.119	1.730
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225541

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.083

VS= 2.395

GS= 3.046

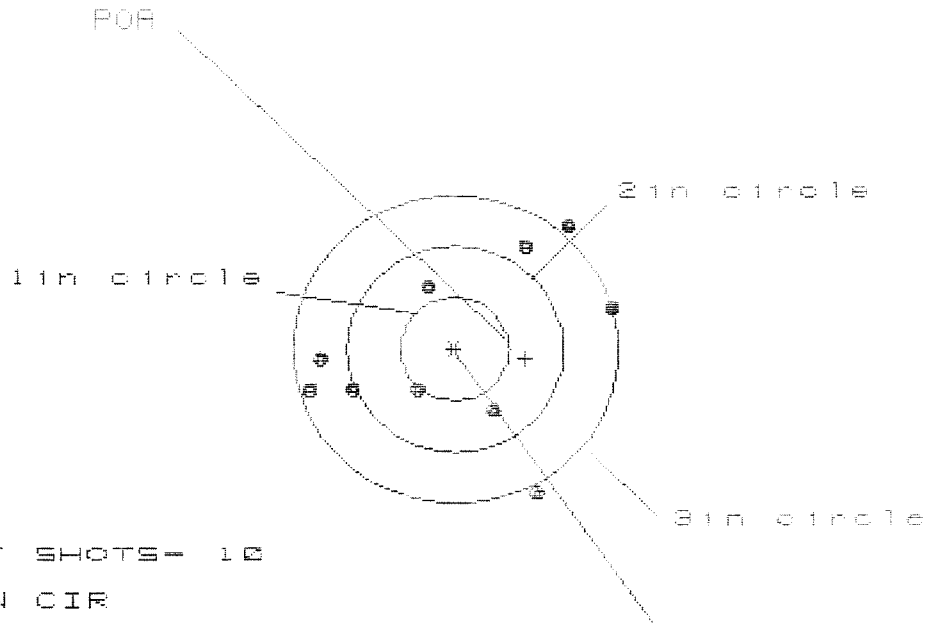
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.656	.428
MINIMUM X	:	-1.284	-.787	-.705
MAXIMUM Y	:	1.207	1.075	1.187
MINIMUM Y	:	-1.188	-.896	-.784
CENTROID X	:	.602	.745	.663
CENTROID Y	:	.353	.485	.373
POA TO CENTROID in.	:	.698	.889	.760
MIN RADIUS	:	.298	.347	.307
MEAN RADIUS	:	.903	.797	.742
MAX RADIUS	:	1.750	1.115	1.200
HORIZONTAL SPREAD	:	2.083	1.443	1.133
VERTICAL SPREAD	:	2.395	1.971	1.971
EXTREME SPREAD	:	3.046	2.228	2.012
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225541

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 8

HS= 2.730

VS= 2.606

GS= 2.897

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.412	1.528	1.633
MINIMUM X	-1.318	-1.282	-1.097
MAXIMUM Y	1.245	1.143	.991
MINIMUM Y	-1.361	-1.223	-.565
CENTROID X	-.651	-.767	-.872
CENTROID Y	.093	-.045	.107
POA TO CENTROID in.	.658	.769	.879
MIN RADIUS	.521	.341	.422
MEAN RADIUS	1.138	1.054	.990
MAX RADIUS	1.625	1.614	1.674
HORIZONTAL SPREAD	2.730	2.730	2.730
VERTICAL SPREAD	2.606	2.366	1.556
EXTREME SPREAD	2.897	2.849	2.849
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	