

C6225107

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead

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: **RE00032492** Serial: C6225107 Model 700 Center Fire Caliber. 7 62 NATO M24 SWS WOG 10 of 25 Repairman: Status: New 9/14/01 3:08:56 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

History / Status Shipping / Billing

Contact / Condition

Contact Information

Phone: Fax: Email: Comments:

Received Condition

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

Start Arms Services Repair... Printscreen 95 7:43 AM

Serial Number: **C6225107**

Model: **700**



RE00032492

BARBER - M24 0049080

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225107
3 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0742
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1738
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .188976

THE AMR FOR THIS RIFLE IS: 1.32

CENTROIDAL DISTANCES

Ø TO	1	.466683
1 TO	2	.414343
1 TO	3	.424647
1 TO	4	.569048
1 TO	5	.294241

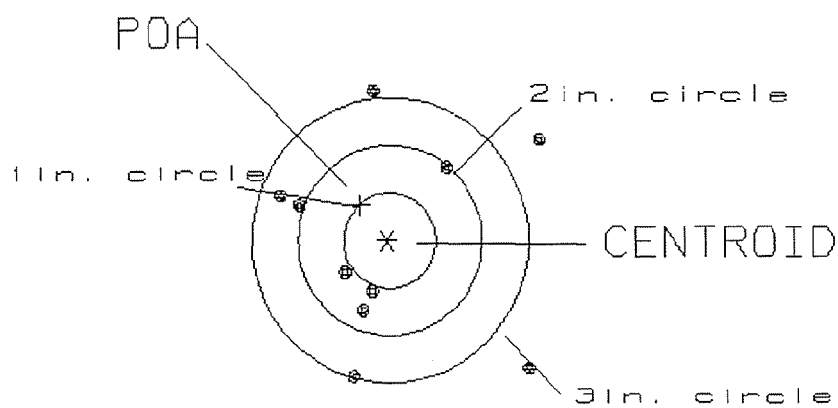
+32 <----POA
4 5 1

PATTERN #: ☐ 1 ☐
POA TO CENTROID: .467
MIN RADIUS : .522
MEAN RADIUS : 1.230
MAX RADIUS : 2.045
CENTROID X : .287
CENTROID Y : -.368

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225107

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.78

0

VS= 3.01

4

GS= 3.36

7

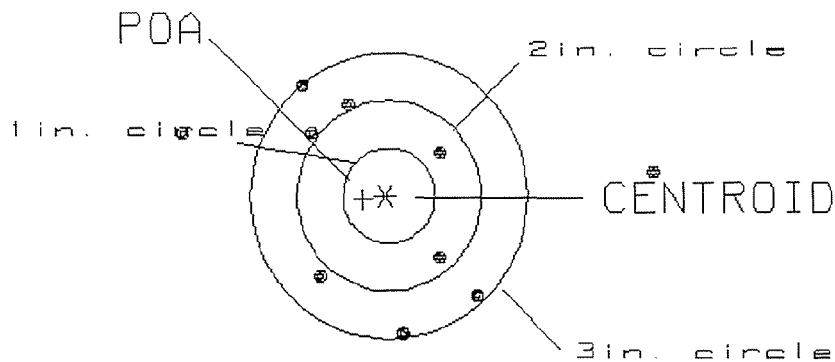
PATTERN #: 2

POA TO CENTROID: .247
 MIN RADIUS : .662
 MEAN RADIUS : 1.430
 MAX RADIUS : 2.896
 CENTROID X : .243
 CENTROID Y : .044

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225107

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 5.09
 VS= 2.54
 GS= 5.11

0
 2
 8

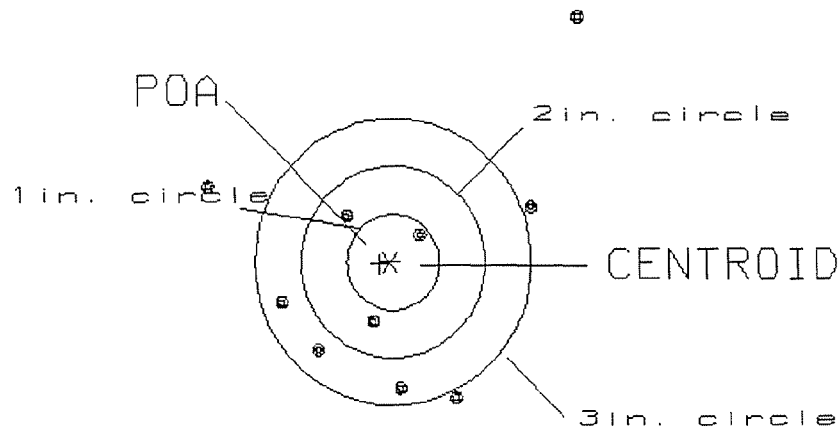
PATTERN #: 3

POA TO CENTROID: .111
 MIN RADIUS : .443
 MEAN RADIUS : 1.408
 MAX RADIUS : 3.273
 CENTROID X : .110
 CENTROID Y : .018

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225107

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.01
 VS= 4.03
 GS= 4.43

1
 3
 6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

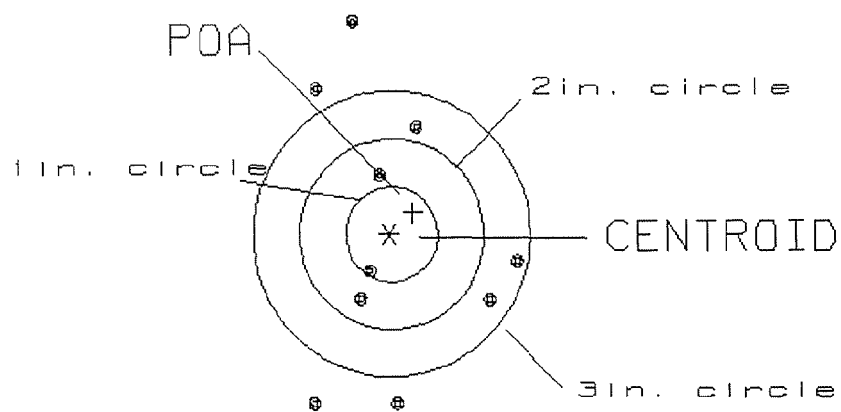
PATTERN #: 4

POA TO CENTROID: .344
 MIN RADIUS : .442
 MEAN RADIUS : 1.341
 MAX RADIUS : 2.303
 CENTROID X : -.263
 CENTROID Y : -.222

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225107

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.20

1

VS= 4.04

3

GS= 4.06

6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

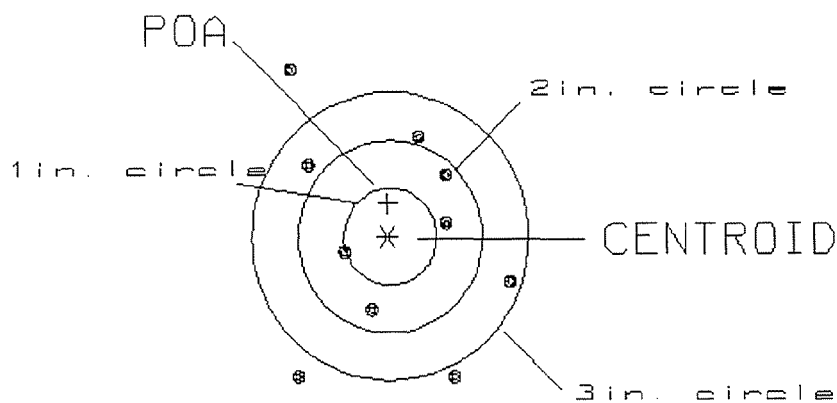
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .341
MIN RADIUS : .569
MEAN RADIUS : 1.191
MAX RADIUS : 2.008
CENTROID X : -.006
CENTROID Y : -.341

2 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225107

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.40

0

VS= 3.13

4

GS= 3.61

7

BARBER - M24 0049086

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225107
4 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.202
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .202209

THE AMR FOR THIS RIFLE IS: .9188

CENTROIDAL DISTANCES

0 TO	1	.441826
1 TO	2	.243731
1 TO	3	.622191
1 TO	4	.699704
1 TO	5	.436125

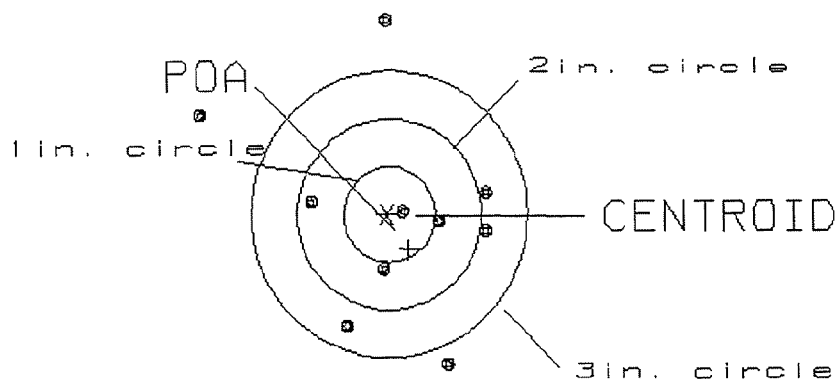
1
2
5 + <----POA
3
4

PATTERN #: 1
 POA TO CENTROID: .442
 MIN RADIUS : .202
 MEAN RADIUS : 1.161
 MAX RADIUS : 2.314
 CENTROID X : -.243
 CENTROID Y : .369

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225107.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.14

1

VS= 3.60

4

GS= 3.74

7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

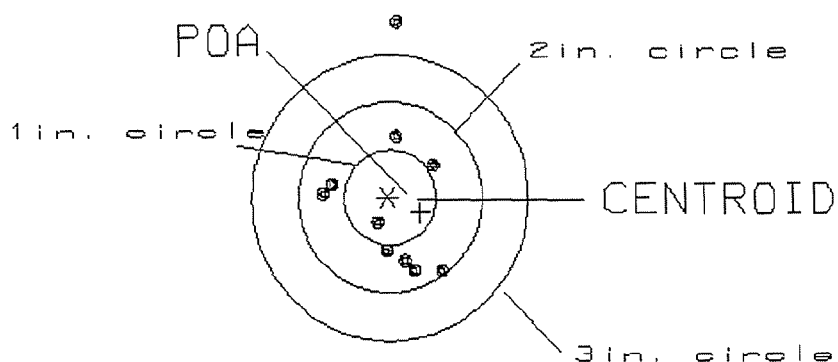
PATTERN #: 2

POA TO CENTROID: .398
 MIN RADIUS : .301
 MEAN RADIUS : .772
 MAX RADIUS : 1.848
 CENTROID X : -.365
 CENTROID Y : .158

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225107.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.24

1

VS= 2.62

9

GS= 2.65

9

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

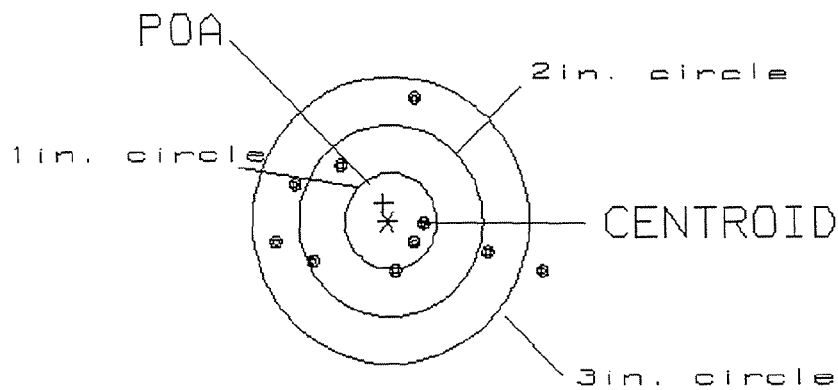
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .188
 MIN RADIUS : .350
 MEAN RADIUS : .936
 MAX RADIUS : 1.690
 CENTROID X : .046
 CENTROID Y : -.182

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225107.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.85
 VS= 1.73
 GS= 2.86

3
 5
 9

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

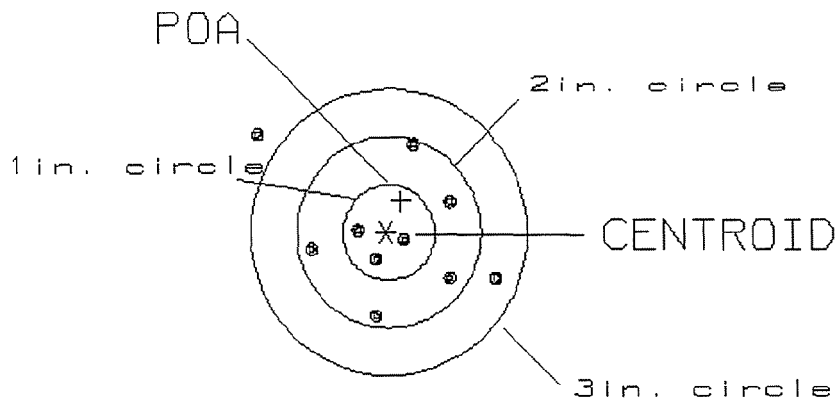
PATTERN #: 4

POA TO CENTROID: .364
 MIN RADIUS : .185
 MEAN RADIUS : .812
 MAX RADIUS : 1.758
 CENTROID X : -.162
 CENTROID Y : -.326

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225107.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.63

3

VS= 1.92

6

GS= 3.01

9

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .293

MIN RADIUS : .149

MEAN RADIUS : .913

MAX RADIUS : 1.697

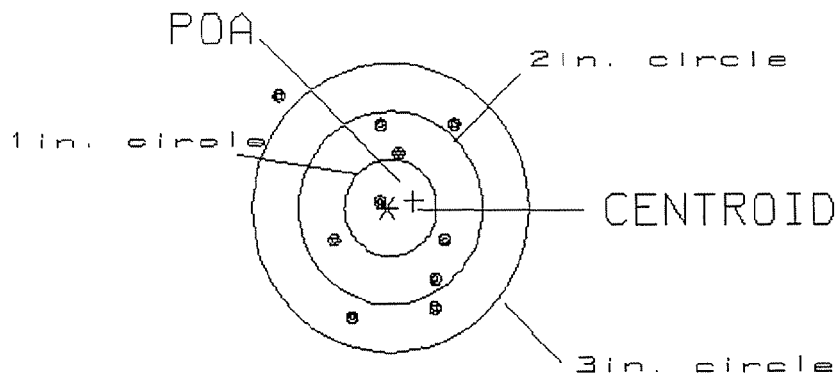
CENTROID X : -.286

CENTROID Y : -.065

4 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225107.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.96

1

VS= 2.35

6

GS= 2.02

9

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

R & E NUMBER 32492

SERIAL NUMBER C6225107

LOG-IN DATE 9-13-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-18-01	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	GO
575	ASSEMBLE	9-20-01	RH
600	PROOF	9-21-01	RH
605	CHECK HEADSPACE	9-24-01	RH
610	DIS-ASSEMBLE GUN	9-24-01	RH
612	MAGNAFLUX	9-25-01	RH
615	ROLLMARK CALIBER	10-01-01	RH
618	ROTO-BLAST	9/25	RH
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-01-01	KHL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/2/01	RH
655	FINAL INSPECT	10-4-01	RH
660	PACK	10-5-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Serial 225107

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

Auditor: KJZ

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: _____

Remington[®]

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

DU PONT

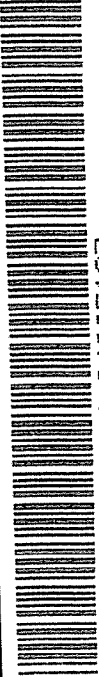
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ M24

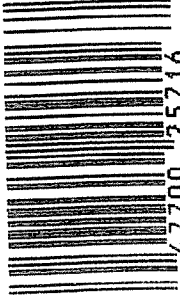
SERIAL NO. C6225107

ORDER NO. 5716

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



5716 C6225107



UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225107

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	Pfe.
	Magnaflux Bolt		9 22 88	Pfe.
615	Rollmark Caliber		9/26/88	GS
617	Drill & Tap Sight Holes		10/1/88	FB
618	Polish Barrel		10/1/88	BT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		1/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/12/89	RW
	C) Inspect Ejector Hole for Chamfer		1/12/89	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		1/12/89	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		11 Jan 89	JSJ
	F) Safety on Force	6 : 6 : 6	11 Jan 89	JSJ
	G) Safety off Force	4 : 4 : 4	11 Jan 89	JSJ
	H) Trigger Pull Test & Retainability		11 Jan 89	JSJ
	I) Firing Pin Indent	.0215 : .021 : .022	11 Jan 89	JSJ
	J) Assemble Stock		1/12/89	RW
	K) Attach Front & Rear Sight Assemblies		1/12/89	RW
	L) Iron Sight Alignment		1/12/89	RW
	M) Detach Front & Rear Sights & place in numbered container		1/12/89	RW
	N) Attach Scope to Rifle		13 Jan 89	JSJ
	O) Detach & Attach Scope 20 times		13 Jan 89	JSJ
640	Gallery Target & Test	46 R 106 L	1-23-89	AK
	A) Optical Clarity of Scope	OK	1-23-89	AK
645	Inspect for Live Ammo	NONE	1-23-89	AK
655	Final Inspection			
	A) Headspace		31 Jan 89	JSJ
	B) Trigger Pull	2.55 : 2.70 : 2.71	2.70 : 2.68	JSJ
	C) Function		31 Jan 89	JSJ
	D) Assemble Swivel Studs		31 Jan 89	JSJ
660	Pack		22 Mar 89	JSJ

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

SERIAL NO. 5109
06225242DATE 5/16/89TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.50	2.13	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.52	2.40	2.76	
PULL #3	2.41	2.59	2.46	2.78	
PULL #4	2.43	2.30	2.18	2.78	
PULL #5	2.39	2.41	2.42	2.76	
TOTAL	12.17	12.32	11.59	13.74	
AVG.	2.434	2.464	2.318	2.748	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.08		
PULL #2	3.35	3.07		
PULL #3	3.10	3.08		
PULL #4	3.10	3.04		
PULL #5	3.43	3.04		
TOTAL	16.12	15.31		
AVG.	3.224	3.062		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.15		4.35
PULL #2	4.39	4.21		4.31
PULL #3	4.33	4.24		4.46
PULL #4	4.22	4.14		4.25
PULL #5	4.34	4.16		4.34
TOTAL	21.60	20.90		21.71
AVG.	4.320	4.180		4.342

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225107
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.365493
1 TO	2	.699756
1 TO	3	.559014
1 TO	4	1.00765
1 TO	5	.953922

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

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2246
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.449
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .502042

THE AMR FOR THIS RIFLE IS: .9882

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225107

CENTERFIRE PATTERNS # 1

POB

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 3.072

VS = 2.121

GS = 3.407

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.592	.810	.698
MINIMUM X	-1.480	-1.303	-1.415
MAXIMUM Y	.859	.940	.794
MINIMUM Y	-1.262	-1.166	-1.123
CENTROID X	-.192	-.369	-.257
CENTROID Y	-.311	-.407	-.261
POB TO CENTROID in.	.366	.549	.386
MIN RADIUS	.494	.566	.576
MEAN RADIUS	1.086	1.021	.933
MAX RADIUS	1.809	1.471	1.453
HORIZONTAL SPREAD	3.072	2.113	2.113
VERTICAL SPREAD	2.121	2.106	1.917
EXTREME SPREAD	3.407	2.520	2.520
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225107

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS = 2.157

VS = 2.733

GS = 3.424

CENTROID *

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.649
MINIMUM X	:	-1.508
MAXIMUM Y	:	1.209
MINIMUM Y	:	-1.524
CENTROID X	:	-.059
CENTROID Y	:	-.998
POR TO CENTROID in.	:	1.000
MIN RADIUS	:	.499
MEAN RADIUS	:	.929
MAX RADIUS	:	2.144
HORIZONTAL SPREAD	:	2.157
VERTICAL SPREAD	:	2.733
EXTREME SPREAD	:	3.424
NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	9

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225187

CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 3.241

VS= 2.275

GS= 3.525

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.785	1.623	1.211
MINIMUM X	:	-1.456	-1.588	-1.305
MAXIMUM Y	:	.851	.693	.668
MINIMUM Y	:	-1.424	-.568	-.593
CENTROID X	:	.239	.401	.198
CENTROID Y	:	-.667	-.509	-.484
POR TO CENTROID in.	:	.708	.648	.523
MIN RADIUS	:	.279	.140	.145
MEAN RADIUS	:	1.122	.999	.911
MAX RADIUS	:	2.037	1.651	1.457
HORIZONTAL SPREAD	:	3.241	3.131	2.516
VERTICAL SPREAD	:	2.275	1.261	1.261
EXTREME SPREAD	:	3.525	3.249	2.588
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			7	

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225107

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.836

VS = 3.265

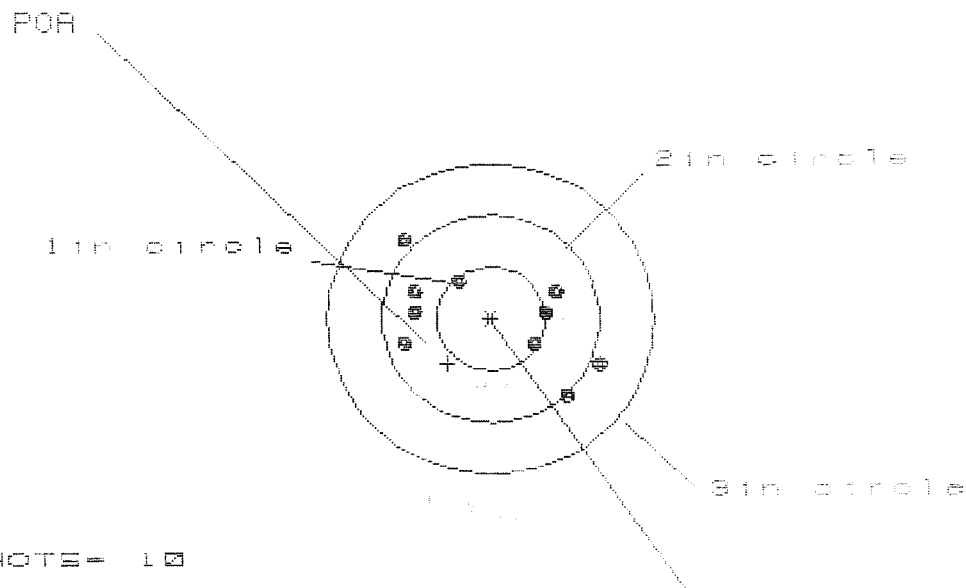
GS = 3.410

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.304	1.243	1.044
MINIMUM X	:	-1.532	-1.593	-1.197
MAXIMUM Y	:	1.264	1.042	.644
MINIMUM Y	:	-2.001	-.913	-.783
CENTROID X	:	.735	.796	.995
CENTROID Y	:	-.706	-.484	-.614
POA TO CENTROID in.	:	1.019	.931	1.169
MIN RADIUS	:	.233	.412	.311
MEAN RADIUS	:	1.055	.929	.751
MAX RADIUS	:	2.074	1.903	1.430
HORIZONTAL SPREAD	:	2.836	2.836	2.241
VERTICAL SPREAD	:	3.265	1.955	1.427
EXTREME SPREAD	:	3.410	3.004	2.440
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225107

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.842

VS= 1.458

GS= 2.199

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.013	.842	.752
MINIMUM X	-.829	-.716	-.733
MAXIMUM Y	.721	.667	.402
MINIMUM Y	-.737	-.791	-.707
CENTROID X	.400	.287	.377
CENTROID Y	.437	.491	.407
POA TO CENTROID in.	.592	.569	.555
MIN RADIUS	.453	.360	.457
MEAN RADIUS	.749	.696	.661
MAX RADIUS	1.122	1.155	1.032
HORIZONTAL SPREAD	1.842	1.558	1.485
VERTICAL SPREAD	1.458	1.458	1.109
EXTREME SPREAD	2.199	2.134	1.707
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

C6225108

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

