

C6522237

MODEL 700™ M24

Model SMS™

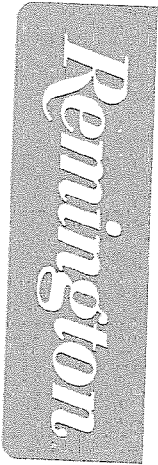
Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



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: RE00151225

Serial: C6522237 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 9/16/2008 2:27:21 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

9/16/2008

3:26 PM

CAPS

NUM

INS

SCRL

Serial Number: C6522237

Mode: M24 SWS



RE00151225

M-24 INSPECTION CHECKLIST
CONTRACT: DAAE-20-02-C-0140

FACILITY NAME

151225

FACILITY CODE

C6522237

DOWN DATE

9-16-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-17-08	RTZ
505	RE-BARREL	9-22-08	RTZ
500	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	L.P.D.
605	CHECK HEADSPACE	9-22-08	L.P.D.
610	DIS-ASSEMBLE GUN	9-22-08	L.P.D.
612	MAGNAFLUX	9/30/08	(28)
610	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RTZ
618	ROTO-BLAST		
620	APPLY COATINGS	10-1	
625	FINAL ASSEMBLY	10-6-08	RTZ
640	FUNCTION TEST AND	10-7-08	TC
650	TARGET	10-7-08	TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-7-08	X
	A) HEADSPACE	10-22-08	X
		10-22-08	X
	4.5 LBS MIN 2.5 LBS MAX 4.0 LBS	2.28 2.33 2.38 2.36 2.38	10-13-08 TC
	4.0 LBS MIN 3.0 LBS MAX	4.0 4.0 4.0	10-22-08 X
	2 LBS MAX	4.0 4.0 5.0	10-22-08 X
	FIRING PIN INDENT	-023 -023 -023	10-22-08 L.P.D.
690	PACK		10/31/08 Fry

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522237.___0
FILE DATE AND TIME: 10/07/2008 15:37

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.027
The Average Y Centroid of the Five Target Set:	-0.005
The Average Point of Impact of the Five Target Set:	0.027
The Average Mean Radius of the Five Target Set:	0.626
The Distance from POA to Centroid Target #1:	0.168
The Distance from Centroid Target #2 to Centroid Target #1:	0.194
The Distance from Centroid Target #3 to Centroid Target #1:	0.286
The Distance from Centroid Target #4 to Centroid Target #1:	0.284
The Distance from Centroid Target #5 to Centroid Target #1:	0.078

SERIAL NUMBER: C6522237. 0

TARGET NUMBER: 1

FILE DATE: 10/07/2008

FILE TIME: 15:37

POINT#	X	Y
1:	1.602	-0.664
2:	0.978	-0.090
3:	0.898	0.160
4:	0.302	0.201
5:	0.220	-0.481
6:	-0.476	-0.464
7:	-0.569	0.426
8:	-0.183	0.667
9:	-2.070	-0.492
10:	0.876	0.159

X CENTROID: 0.158

Y CENTROID: -0.058

POA TO CENTROID: 0.168

HORZ SPREAD: 3.672

VERT SPREAD: 1.331

GROUP SPREAD: 3.676

MIN RADIUS: 0.296

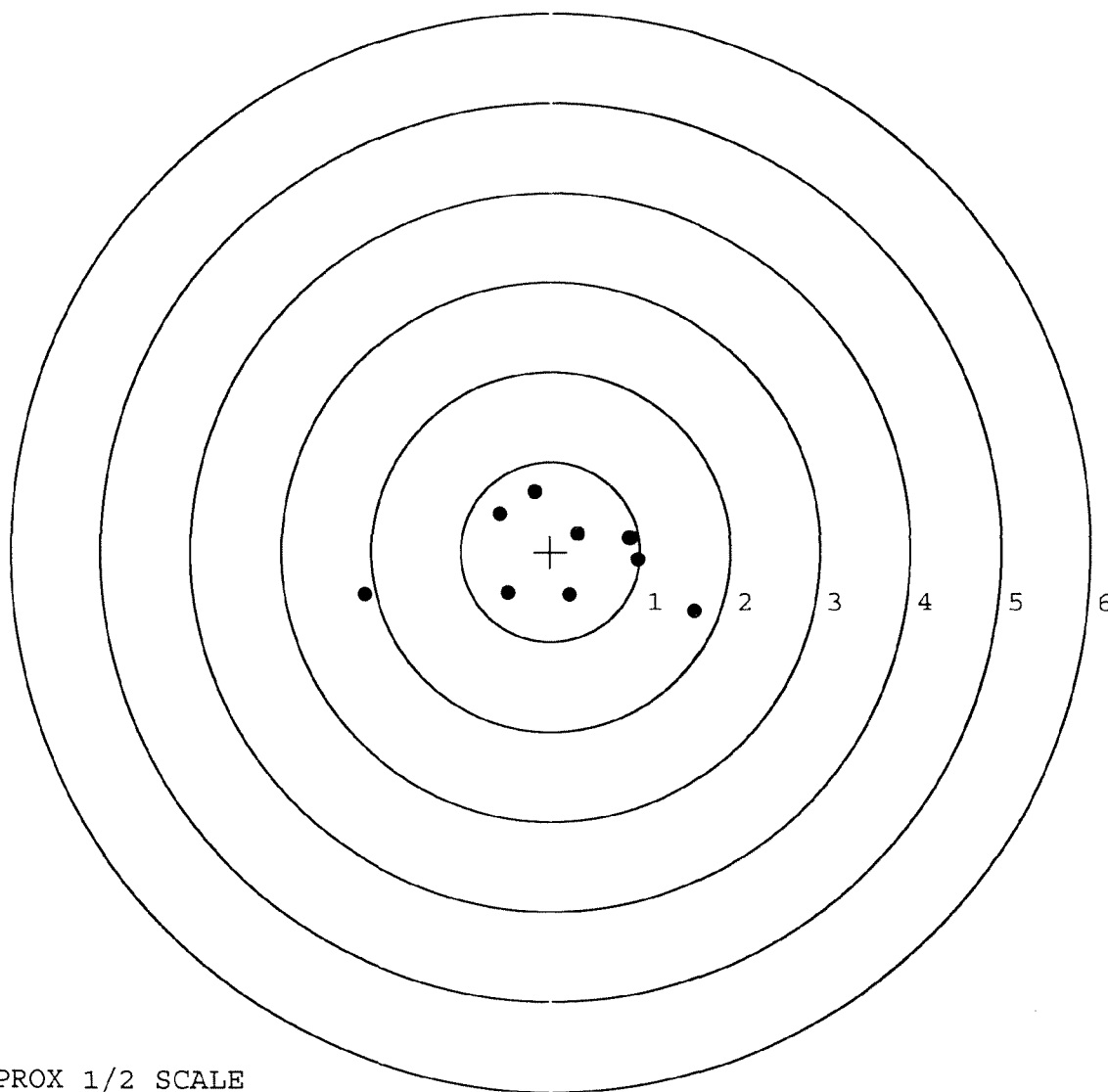
MAX RADIUS: 2.270

MEAN RADIUS: 0.933

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522237. __0

TARGET NUMBER: 2

FILE DATE: 10/07/2008

FILE TIME: 15:37

POINT#	X	Y
1:	-0.344	0.723
2:	0.395	-0.687
3:	-0.057	0.232
4:	-0.304	0.024
5:	-0.230	-0.395
6:	0.004	-0.324
7:	0.299	0.024
8:	-0.352	-0.052
9:	0.308	0.080
10:	-0.079	-0.225

X CENTROID: -0.036

Y CENTROID: -0.060

POA TO CENTROID: 0.070

HORZ SPREAD: 0.747

VERT SPREAD: 1.410

GROUP SPREAD: 1.592

MIN RADIUS: 0.171

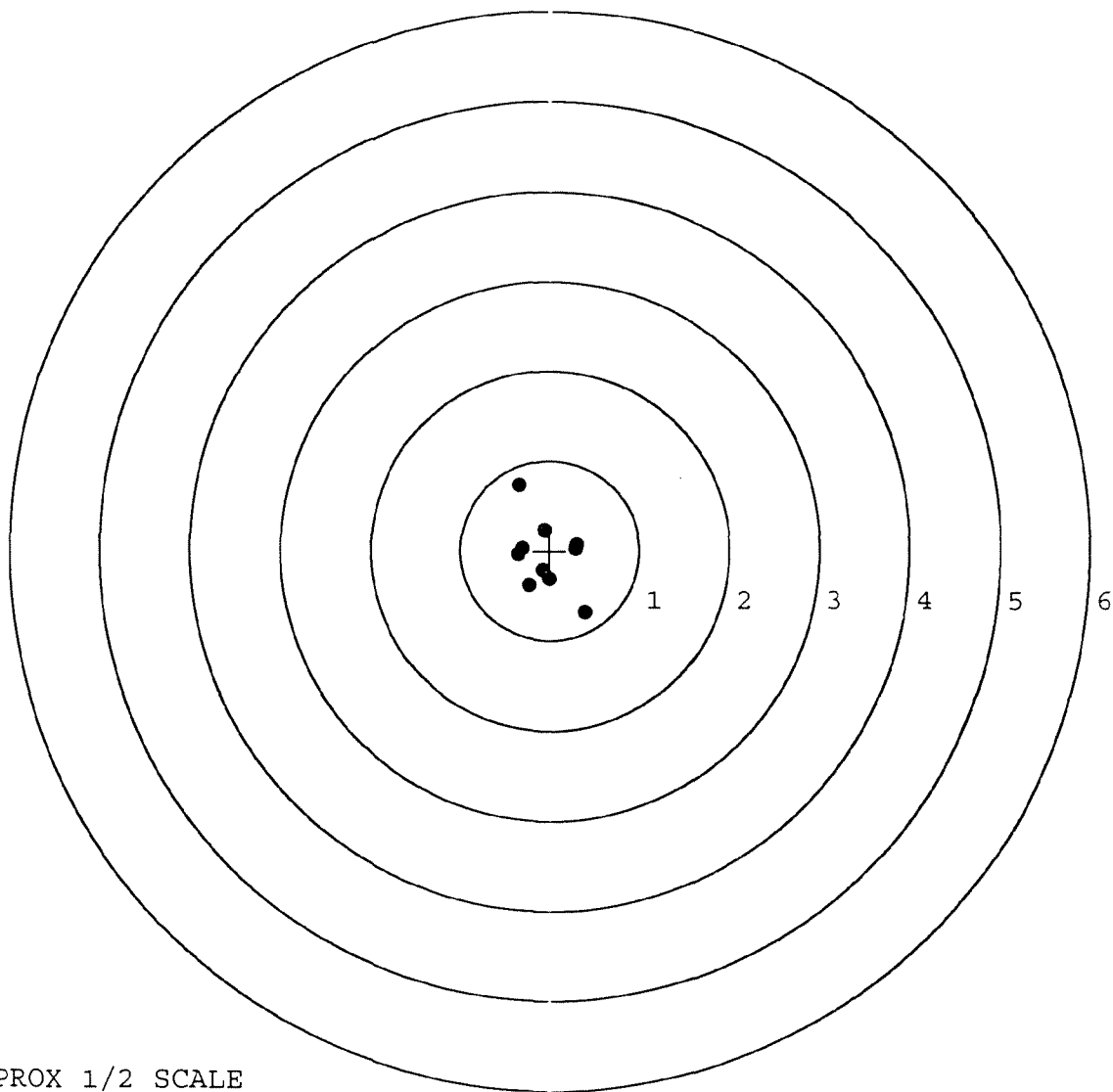
MAX RADIUS: 0.841

MEAN RADIUS: 0.403

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

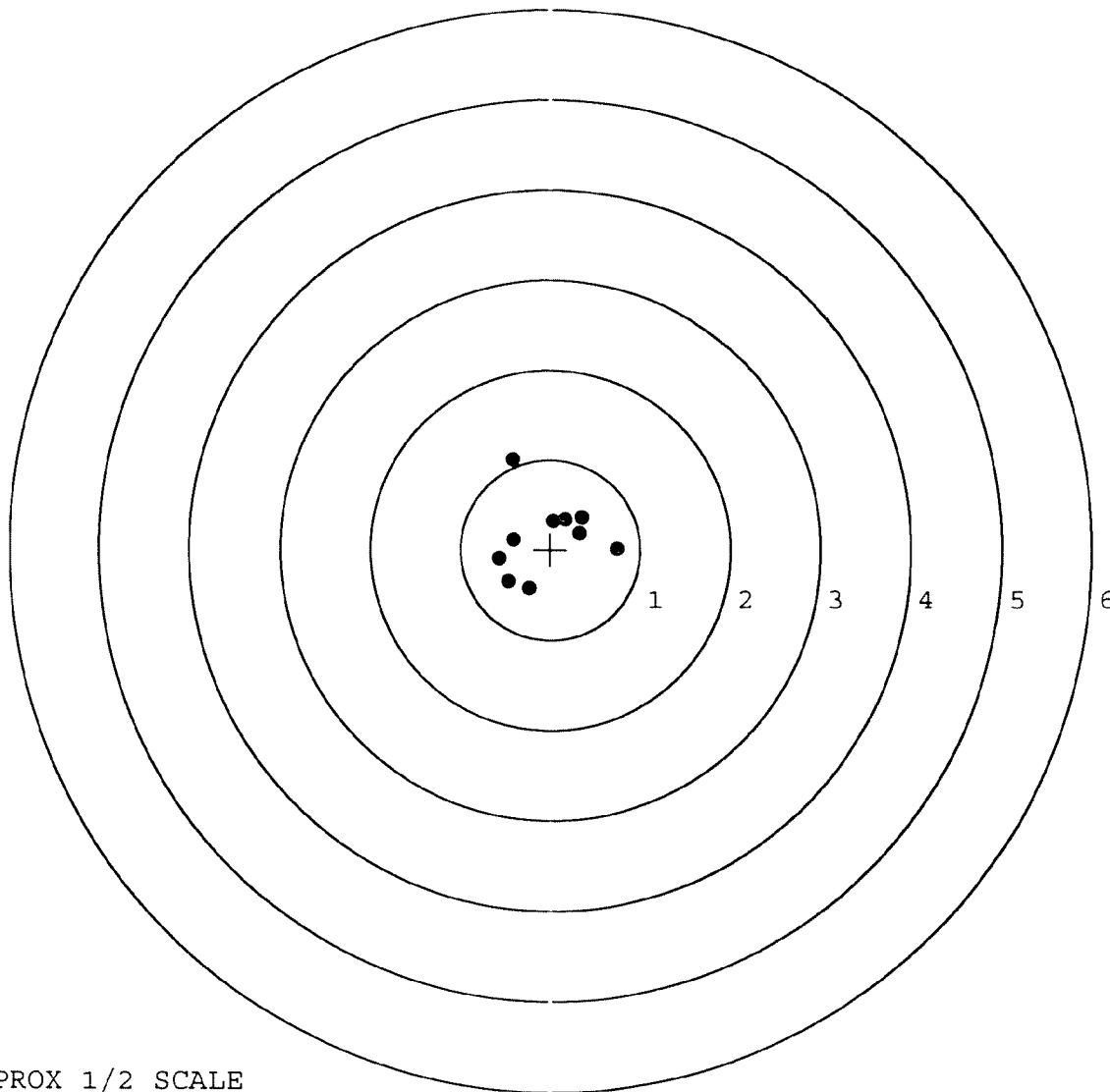


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522237. __0
 TARGET NUMBER: 3
 FILE DATE: 10/07/2008
 FILE TIME: 15:37

POINT#	X	Y
1:	-0.416	1.005
2:	0.355	0.363
3:	0.332	0.181
4:	0.742	0.007
5:	0.034	0.314
6:	0.171	0.337
7:	-0.239	-0.434
8:	-0.468	-0.356
9:	-0.567	-0.106
10:	-0.411	0.107

X CENTROID: -0.047
 Y CENTROID: 0.142
 POA TO CENTROID: 0.149
 HORZ SPREAD: 1.309
 VERT SPREAD: 1.439
 GROUP SPREAD: 1.529
 MIN RADIUS: 0.190
 MAX RADIUS: 0.939
 MEAN RADIUS: 0.526
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522237. 0

TARGET NUMBER: 4

FILE DATE: 10/07/2008

FILE TIME: 15:37

X CENTROID: -0.088

Y CENTROID: 0.085

POA TO CENTROID: 0.122

HORZ SPREAD: 2.471

VERT SPREAD: 2.083

GROUP SPREAD: 2.700

MIN RADIUS: 0.237

MAX RADIUS: 1.715

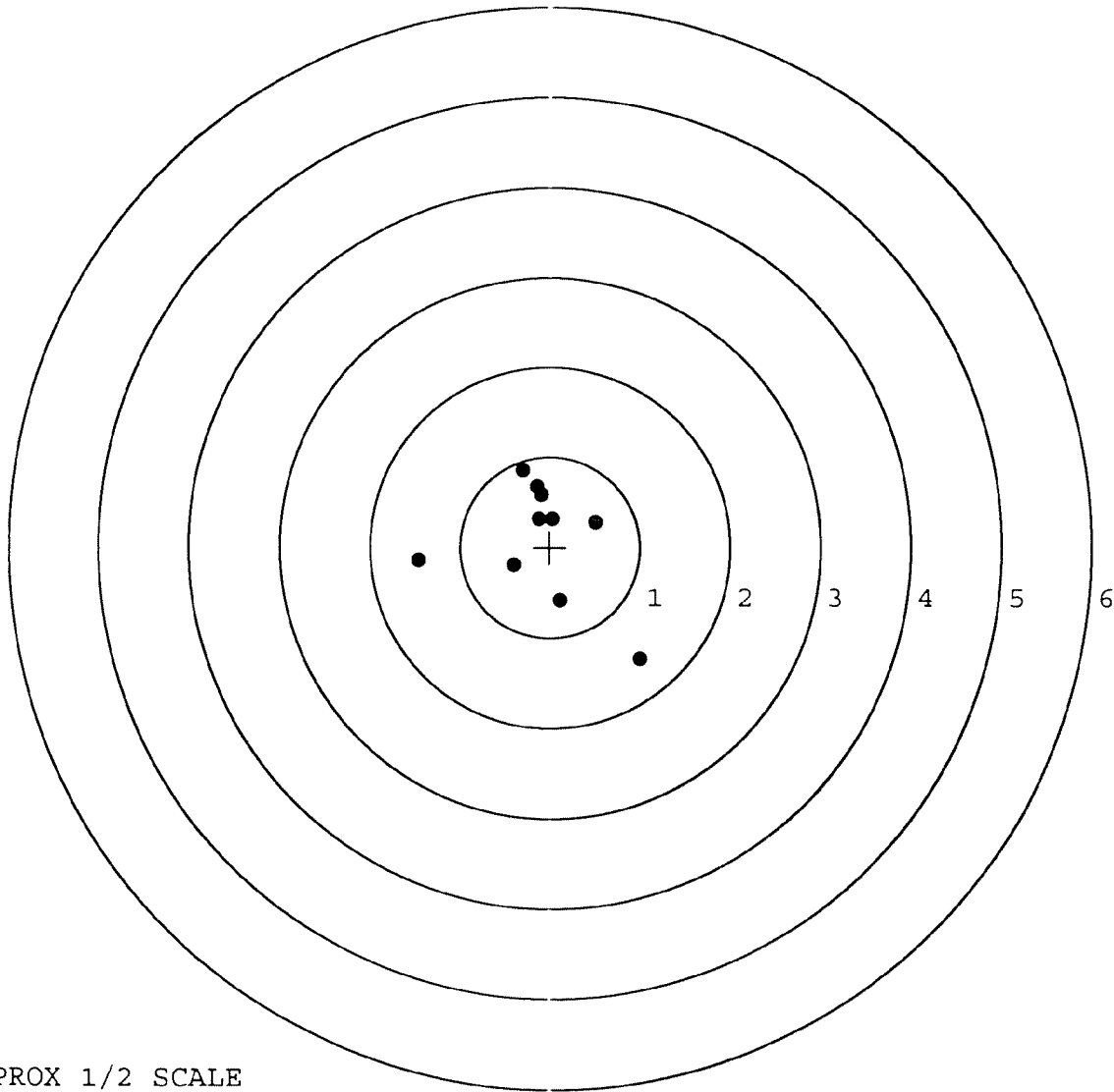
MEAN RADIUS: 0.724

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.509	0.280
2:	0.029	0.315
3:	-0.125	0.319
4:	-0.142	0.671
5:	-0.304	0.847
6:	-1.466	-0.147
7:	-0.406	-0.195
8:	0.117	-0.588
9:	1.005	-1.236
10:	-0.100	0.581



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522237. 0

TARGET NUMBER: 5

FILE DATE: 10/07/2008

FILE TIME: 15:37

POINT#	X	Y
1:	-1.051	0.475
2:	-0.007	0.398
3:	-0.316	-0.343
4:	0.126	-0.694
5:	0.263	-0.687
6:	0.466	-0.333
7:	0.479	-0.218
8:	0.463	-0.126
9:	0.471	0.003
10:	0.582	0.174

X CENTROID: 0.148

Y CENTROID: -0.135

POA TO CENTROID: 0.200

HORZ SPREAD: 1.633

VERT SPREAD: 1.169

GROUP SPREAD: 1.754

MIN RADIUS: 0.316

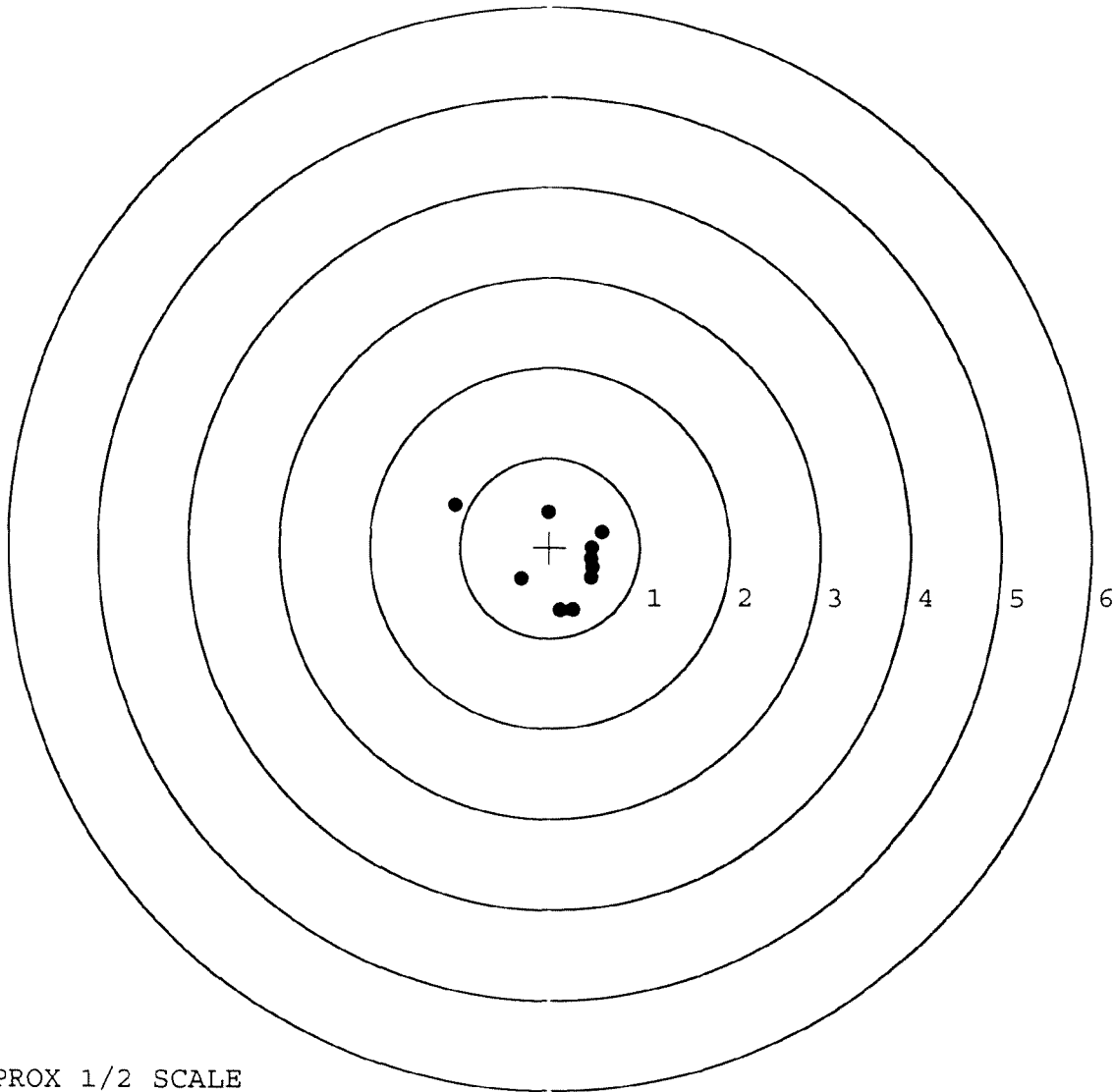
MAX RADIUS: 1.345

MEAN RADIUS: 0.545

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R ORDER
99-09168

INITIAL	CUSTOMER ORDER NO.				
SWS	377				
DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
04/07/99	04/08/99	OK 7-90	C6522237		700 7.62 M24
ACCESSORIES	W/STUDS SCOPE BASE				

FROM:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL

KY 42223

SHIP TO:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL

42223

CUST NO:208414 C.D.D

ACCOUNT NUMBER		ACCOUNT NUMBER N/C		PROM. DATE		ESTIMATED		VIA	
		WRITE ☐						DOOR	
GUN CONDITION								REPAIR CHARGE	
☐ NEW								EXCISE	
☐ LIGHTLY WORN								TAX	
☐ WORN								INSURANCE	
☐ VERY WORN								UPS	
☐ UNREPAIRABLE								PARCEL POST	
☐ MARRED								TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			F1	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						

[illegible]

OFFICE COPY

RD6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0002439~~ M2400002498

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition []

File # 00377

Delivery Date 4 / 7 / 99Customer Name (Print) US Army, James C STARNES JR.
Address 6505 5th SFG, Ft. Campbell State KY Zip 42223
Phone Number (502)- 798-2882/7932Firearm Description Model 700 (m24) Cal./ Ga. 7.62Serial Number 66522237

Stock/ Fore-end Condition circle the description

(Excellent; Good; Fair; Poor; Fancy; Plain, Synthetic, Wood)

Comments on Stock/ Fore-end condition _____

Metal Condition circle the description

(Excellent; Good; Fair; Poor; Fancy; Plain Stainless Steel)

Comments on Metal condition _____

Barrel Type (VT. Rib; Plain; Deer; Stainless Steel) Barrel length _____List additional accessories IE Scope, Sling, Gun case and description;

_____Customer request: Reconditioning

Return Process Return to Clark St. Ent. [] Return via UPS [X]

By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.Signature James C Starnes Jr. Date 4/7/99
person delivering firearm.Signature [Signature] Date 4/7/99
security officerSignature [Signature] Date 4/7/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York StateSignature _____ Date ____/____/____
person receiving firearm must be the same whom deliveredSignature _____ Date ____/____/____
security officer or other witness returning the firearm

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6522237
21 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1222
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0472
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130999

THE AMR FOR THIS RIFLE IS: 1.228

CENTROIDAL DISTANCES

0 TO	1	.292746
1 TO	2	.582409
1 TO	3	.0731642
1 TO	4	1.2281
1 TO	5	.70214

4 5
 + <----POA
 3
2

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

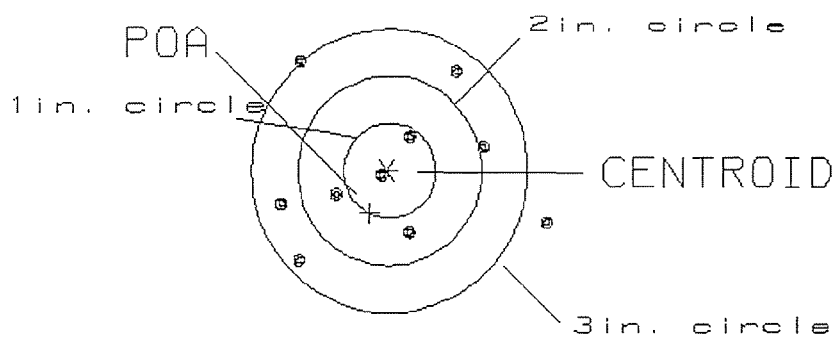
PATTERN #: 1

POA TO CENTROID: .481
MIN RADIUS : .144
MEAN RADIUS : .998
MAX RADIUS : 1.767
CENTROID X : .182
CENTROID Y : .445

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522237

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.82

2

VS= 2.10

4

GS= 3.20

8

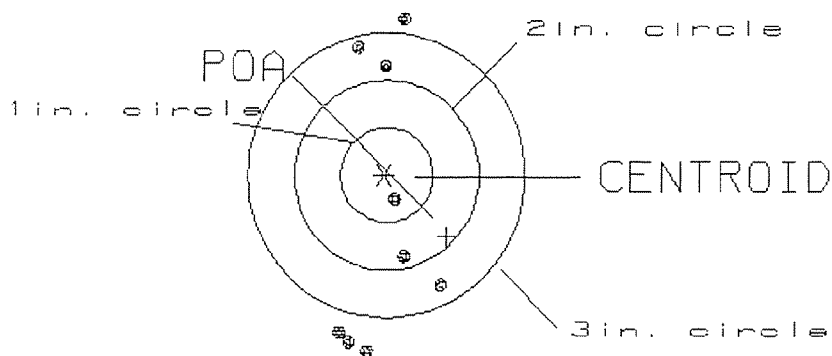
PATTERN #: 2

POA TO CENTROID: .946
 MIN RADIUS : .294
 MEAN RADIUS : 1.543
 MAX RADIUS : 3.439
 CENTROID X : -.686
 CENTROID Y : .651

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522237

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.11
 VS= 5.26
 GS= 5.28

1
 2
 5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

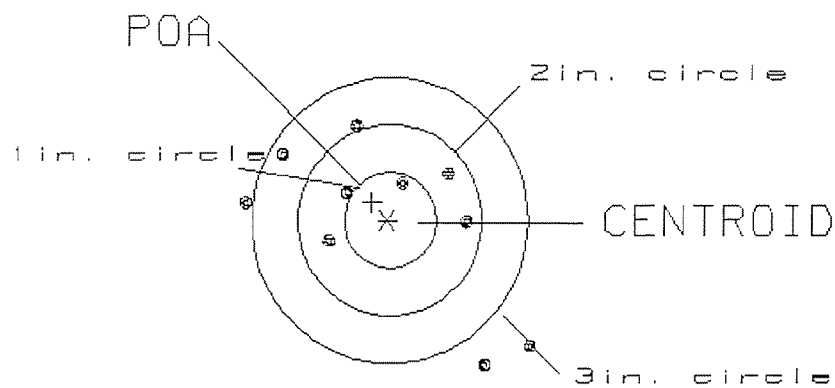
PATTERN #: 3

POA TO CENTROID: .253
MIN RADIUS : .402
MEAN RADIUS : 1.119
MAX RADIUS : 2.003
CENTROID X : .169
CENTROID Y : -.188

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522237

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.11

1

VS= 2.49

5

GS= 3.46

7

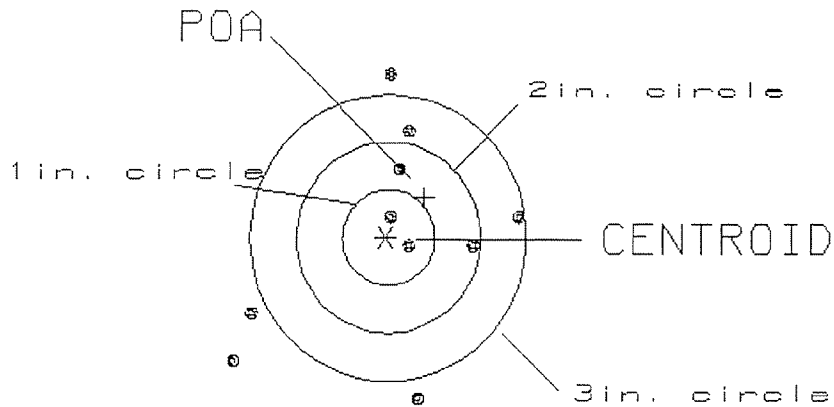
PATTERN #: 4

POA TO CENTROID: .590
 MIN RADIUS : .198
 MEAN RADIUS : 1.186
 MAX RADIUS : 2.086
 CENTROID X : -.418
 CENTROID Y : -.416

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522237

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.02
 VS= 3.38
 GS= 3.39

2
 4
 6

REMINGTON CENTERFIRE ACCURACY TEST

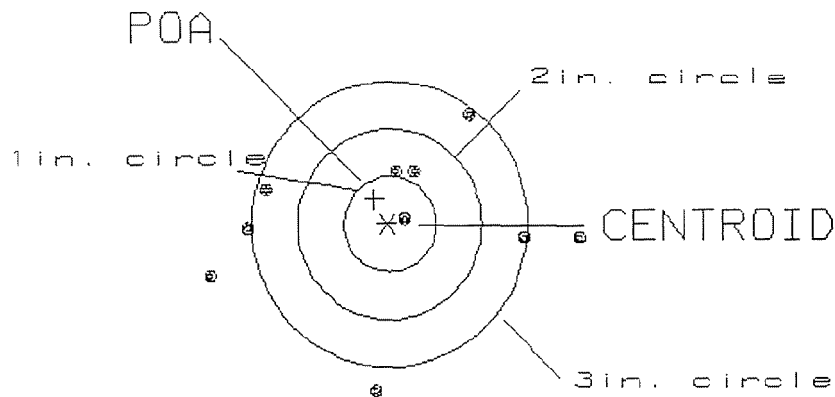
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
 POA TO CENTROID: .293
 MIN RADIUS : .130
 MEAN RADIUS : 1.295
 MAX RADIUS : 2.063
 CENTROID X : .142
 CENTROID Y : -.256

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522237

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.97
 VS= 2.95
 GS= 3.99

1
 3
 6

Remington
MODEL 700™ H24

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

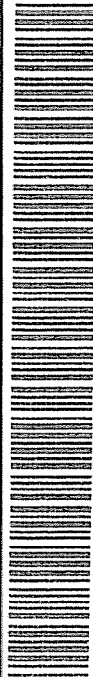
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6522237

ORDER NO.
5716

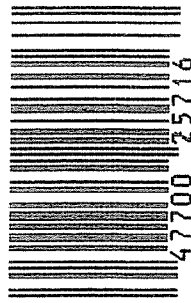
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6522237

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522237

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/9/90	KJ
600	Proof		7/9/90	KJ
607	Check Headspace		7/9/90	KJ
610	Dis-assemble Gun		7/9/90	KJ
612	Magnaflux Barrel Action		7/17/90	KR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7/17/90	GL
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7/26/90	JA
	Apply Coating (Bolt)		7/26/90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		8/16/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/16/90	KS
	C) Inspect Ejector Hole for Chamfer		8/16/90	KS
	D) Oil Firing Pin Ass'y		8/16/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-13-90	HL

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4	4	4		8/16/90	JE
	G) Safety Off Force	3	3	3		8/16/90	JE
	H) Trigger Pull Test & Retainability					8/13/90	JE
	I) Firing Pin Indent	.023	.023	.023		8/16/90	JE
	J) Assemble Stock					8/17/90	KS
	K) Assemble Swivel Studs					9/14/90	JS
	L) Attach Front and Rear Sight Assemblies					8/17/90	KS
	M) Iron Sight Alignment					8/17/90	KS
	N) Detach Front & Rear Sights & place in numbered container					8/17/90	KS
	O) Attach Scope to Rifle					8/17/90	KS
	P) Detach & Attach Scope 20 Times					8/17/90	KS
640	Gallery Target & Test					8-20-90	DH
	A) Time					8-20-90	DH
	B) Malfunctions					8-20-90	DH
	C) Pierced Primers					8-20-90	DH
	D) Optical Clarity of Scope					8-20-90	DH
645	Inspect for Live Ammo					8-20-90	DH
655	Final Inspection						
	A) Headspace					9/14/90	JS
	B) Trigger Pull	239	2.06	2.24	2.50	2.20	9/14/90
	C) Function					9/14/90	JS
660	Pack					9-18-90	JE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06522237

DATE 9-13-90

TESTER J21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.21	2.26	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.44	2.23	2.06	
PULL #3	2.50	2.16	2.31	2.26	
PULL #4	2.19	2.21	2.28	2.15	
PULL #5	2.30	2.24	2.31	2.20	
TOTAL	11.74	11.26	11.39	11.41	
AVG.	2.348	2.252	2.278	2.282	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.27		
PULL #2	3.43	3.11		
PULL #3	3.47	3.25		
PULL #4	3.10	3.19		
PULL #5	3.12	3.18		
TOTAL	16.50	16.00		
AVG.	3.3	3.2		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.10		4.30
PULL #2	4.11	4.23		4.36
PULL #3	4.35	4.17		4.32
PULL #4	4.19	4.22		4.30
PULL #5	4.12	4.22		4.30
TOTAL	20.89	20.94		21.58
AVG.	4.178	4.188		4.316

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522237
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.157487
1 TO	2	.382645
1 TO	3	.415326
1 TO	4	.229839
1 TO	5	.152801

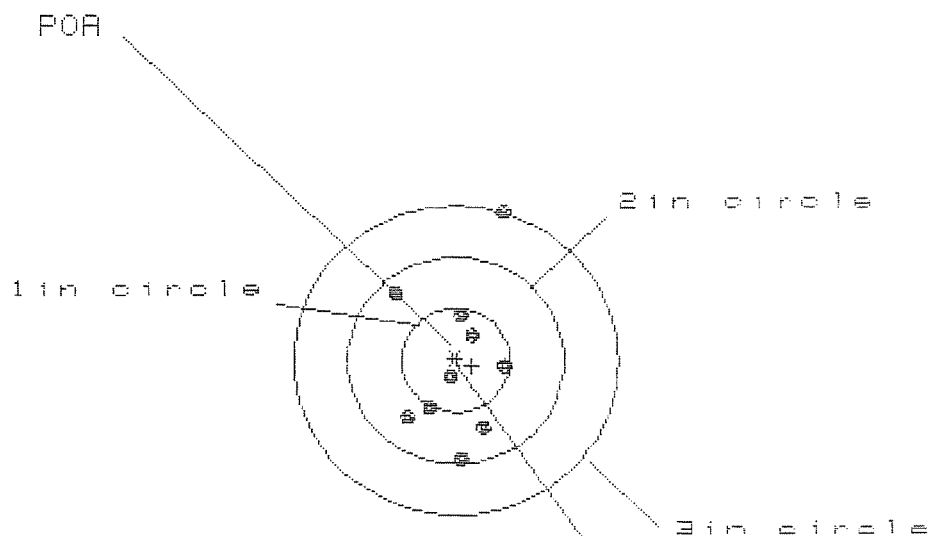
54
23 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.113
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0816
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .139383
THE AMR FOR THIS RIFLE IS: .7998

28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522237

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 9

3 in = 10

HS= 1.067

VS= 2.366

GS= 2.386

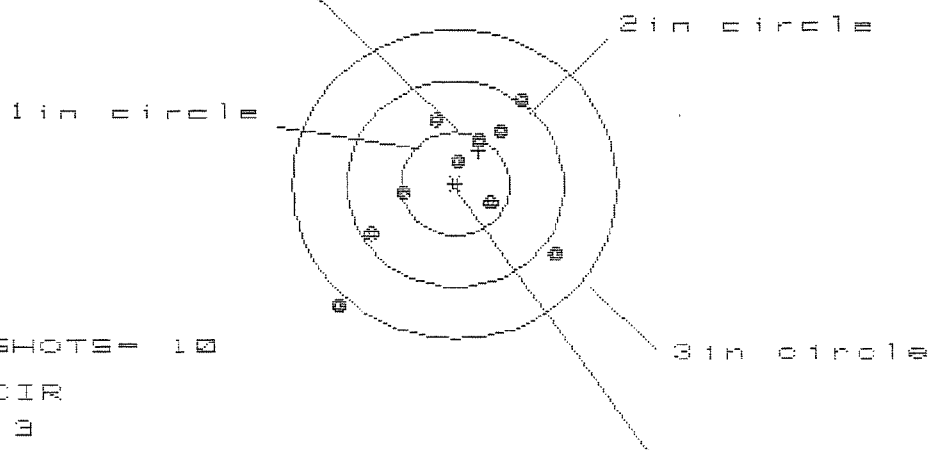
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.474	.518	.535
MINIMUM X	-.593	-.549	-.532
MAXIMUM Y	1.408	.826	.725
MINIMUM Y	-.958	-.801	-.596
CENTROID X	-.149	-.193	-.210
CENTROID Y	.051	-.106	-.005
POA TO CENTROID in.	.157	.220	.210
MIN RADIUS	.204	.051	.130
MEAN RADIUS	.660	.543	.515
MAX RADIUS	1.464	.991	.899
HORIZONTAL SPREAD	1.067	1.067	1.067
VERTICAL SPREAD	2.366	1.627	1.321
EXTREME SPREAD	2.386	1.766	1.547
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1 in = 9

2 in = 0

3 in = 0

HS= 2.017

VS= 1.947

GS= 2.550

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.949	.830	.563
MINIMUM X	:	-1.068	-.889	-.785
MAXIMUM Y	:	.793	.665	.570
MINIMUM Y	:	-1.154	-.756	-.713
CENTROID X	:	-.220	-.101	-.205
CENTROID Y	:	-.325	-.197	-.102
POA TO CENTROID in.	:	.393	.221	.229
MIN RADIUS	:	.202	.081	.062
MEAN RADIUS	:	.741	.604	.527
MAX RADIUS	:	1.572	1.123	1.060
HORIZONTAL SPREAD	:	2.017	1.719	1.348
VERTICAL SPREAD	:	1.947	1.421	1.283
EXTREME SPREAD	:	2.550	1.861	1.861
NUMBER IN ONE INCH CIRCLE	=		9	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.746

VS= 2.881

GS= 3.736

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.409	1.301	1.181
MINIMUM X	:	-1.337	-1.445	-1.283
MAXIMUM Y	:	1.171	.981	.922
MINIMUM Y	:	-1.710	-.977	-.854
CENTROID X	:	.051	.159	-.003
CENTROID Y	:	-.313	-.123	-.246
POA TO CENTROID in.	:	.318	.201	.246
MIN RADIUS	:	.248	.109	.245
MEAN RADIUS	:	1.052	.949	.832
MAX RADIUS	:	1.966	1.629	1.349
HORIZONTAL SPREAD	:	2.746	2.746	2.464
VERTICAL SPREAD	:	2.881	1.958	1.776
EXTREME SPREAD	:	3.736	2.903	2.492
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.0000

VS= 1.839

GS= 2.200

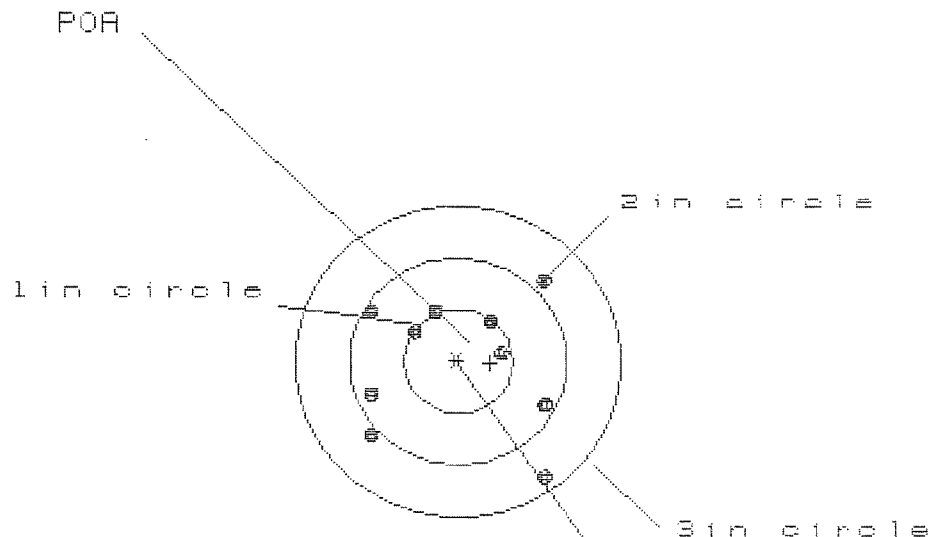
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.001	.863	.752
MINIMUM X	-.999	-.888	-.801
MAXIMUM Y	.903	.849	.895
MINIMUM Y	-.935	-.990	-.944
CENTROID X	.050	-.061	.050
CENTROID Y	.166	.220	.174
POR TO CENTROID in.	.173	.228	.181
MIN RADIUS	.242	.256	.248
MEAN RADIUS	.742	.687	.652
MAX RADIUS	1.115	1.055	.977
HORIZONTAL SPREAD	2.000	1.751	1.553
VERTICAL SPREAD	1.839	1.839	1.839
EXTREME SPREAD	2.200	1.849	1.839
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.578

VS= 1.911

GS= 2.217

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.776	.849	.948
MINIMUM X	-.802	-.716	-.610
MAXIMUM Y	.808	.685	.463
MINIMUM Y	-1.103	-.804	-.718
CENTROID X	-.297	-.383	-.489
CENTROID Y	.013	.136	.050
POA TO CENTROID in.	.297	.406	.491
MIN RADIUS	.381	.346	.373
MEAN RADIUS	.804	.717	.673
MAX RADIUS	1.349	1.091	1.046
HORIZONTAL SPREAD	1.578	1.565	1.558
VERTICAL SPREAD	1.911	1.489	1.181
EXTREME SPREAD	2.217	2.160	1.761
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	