

C6349022

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00151206

Serial: C6349022 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status: Closed 9/16/2008 2:26:23 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: JSD ARMSROOM

JSD 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

naglej

9/16/2008

3:25 PM

CAPS

NUM

INS

SCRL

Serial
Number:

C6349022

Model

M24 SWS

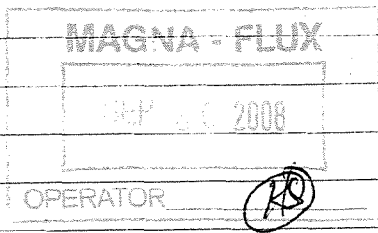


RE00151206

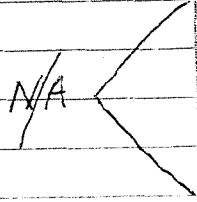
M-24 INSPECTION CHECKLIST
CONTRACT NO. DAAB-20-02-G-0140

WAD: 151206
STATION: C6349022
DOWN DATE: 9-16-08

OPERATION #	OPERATION NAME	DATE	ATTN
500	DIS-ASSEMBLE GUN	9-18-08	RTZ
505	RE-BARREL	9-22-08	RTZ
560	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	SPD
605	CHECK HEADSPACE	9-22-08	SPD
610	DIS-ASSEMBLE GUN	9-22-08	SPD
612	MAGNAFLUX	9/30/08	HB
610	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RT
616	ROTO-BLAST		
620	APPLY COATINGS	10 /	
625	FINAL ASSEMBLY	10-7-08	RTZ
640	FUNCTION TEST AND	10-10-08	TC
650	TARGET	10-10-08	TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-10-08	BSN
	A) HEADSPACE	10-22-08	SPD
		10-22-08	SPD
	4.5 LBS MIN 3.0 LBS BI TRIGGER PULL MAX 4.0 LBS	2.83 2.86 2.87 2.86 2.87	10/16/08 FM
	4.0 LBS MIN 4.0 LBS MAX	4.0 4.0 4.0	10-22-08 SPD
	2 LBS MAX 2.0 LBS	5.0 4.5 4.5	10-22-08 SPD
	1) FIRING PIN INDENT	.022 .022 .021	10-22-08 SPD
690	PACK		10/24/08 FM



PASS FAIL
PASS FAIL



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349022.___0
FILE DATE AND TIME: 10/11/2008 07:02

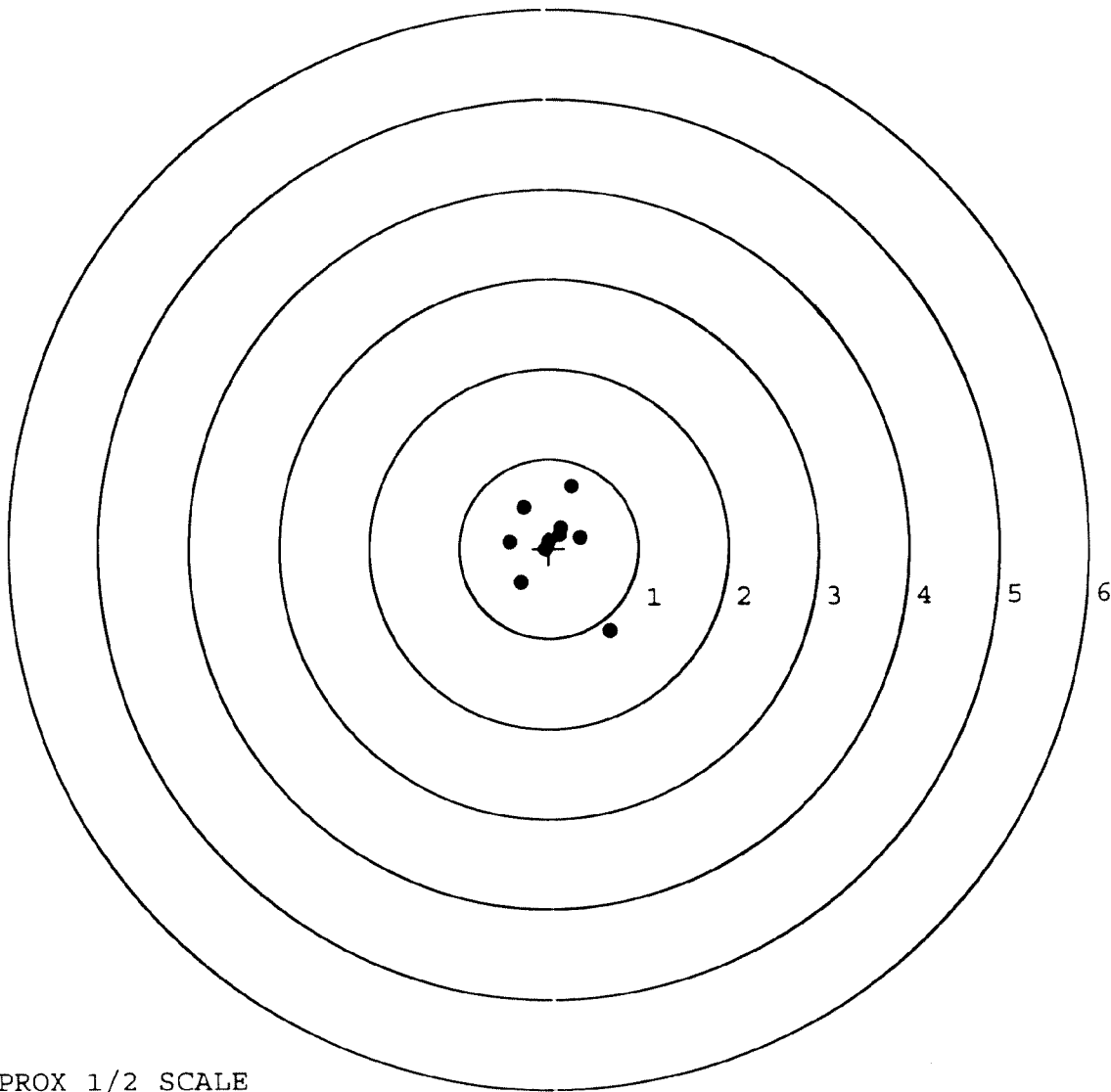
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	0.107
The Average Point of Impact of the Five Target Set:	0.108
The Average Mean Radius of the Five Target Set:	0.590
The Distance from POA to Centroid Target #1:	0.068
The Distance from Centroid Target #2 to Centroid Target #1:	0.006
The Distance from Centroid Target #3 to Centroid Target #1:	0.176
The Distance from Centroid Target #4 to Centroid Target #1:	0.150
The Distance from Centroid Target #5 to Centroid Target #1:	0.189

SERIAL NUMBER: C6349022.___0
TARGET NUMBER: 1
FILE DATE: 10/11/2008
FILE TIME: 07:02

X CENTROID: 0.049
Y CENTROID: 0.048
POA TO CENTROID: 0.068
HORZ SPREAD: 1.114
VERT SPREAD: 1.624
GROUP SPREAD: 1.690
MIN RADIUS: 0.055
MAX RADIUS: 1.165
MEAN RADIUS: 0.423
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.679	-0.932
2:	0.260	0.692
3:	-0.280	0.459
4:	-0.435	0.076
5:	0.354	0.119
6:	-0.044	-0.015
7:	-0.315	-0.383
8:	0.138	0.233
9:	0.124	0.149
10:	0.005	0.082

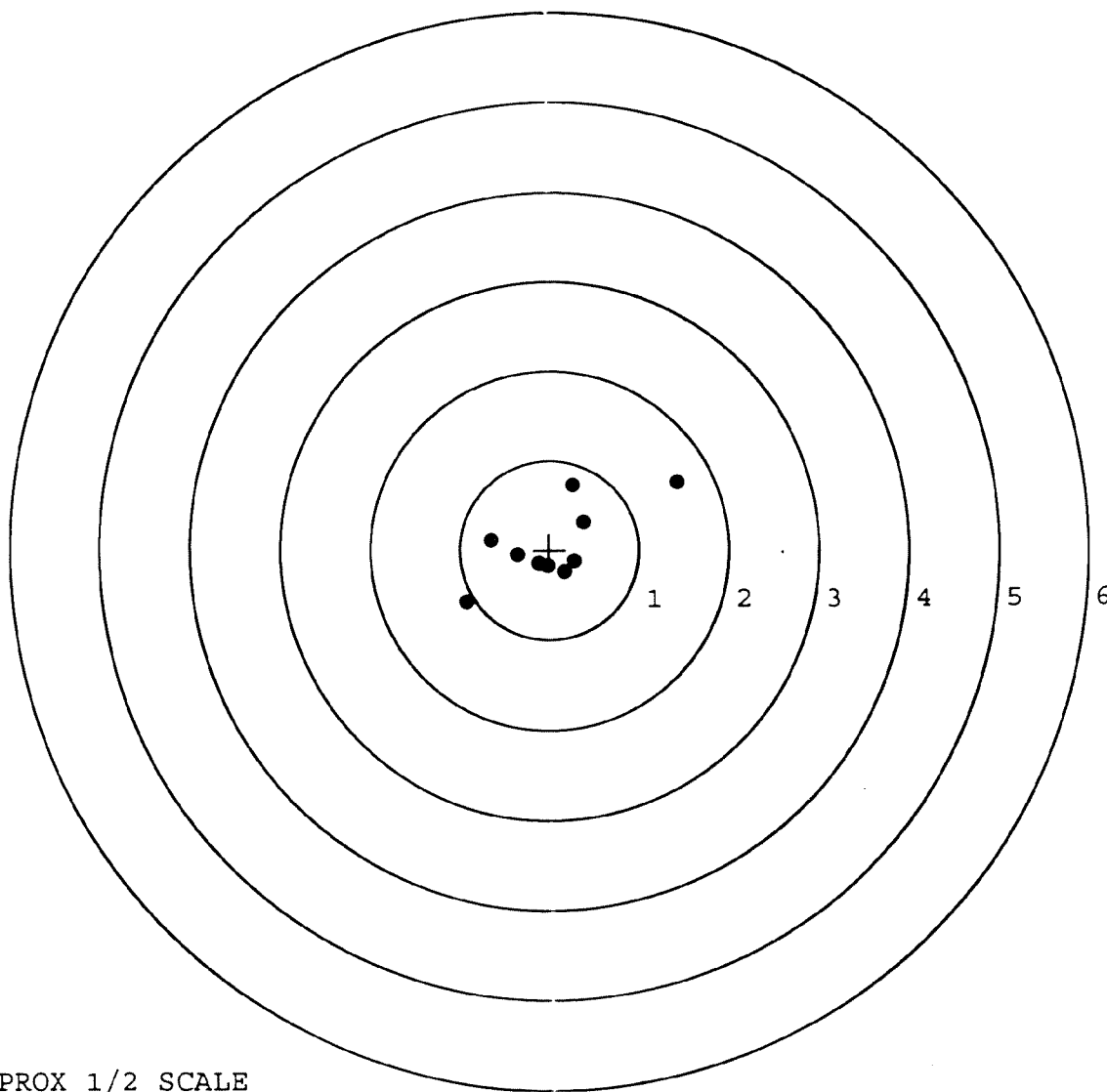


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349022. __ 0
TARGET NUMBER: 2
FILE DATE: 10/11/2008
FILE TIME: 07:02

X CENTROID: 0.047
Y CENTROID: 0.054
POA TO CENTROID: 0.071
HORZ SPREAD: 2.356
VERT SPREAD: 1.333
GROUP SPREAD: 2.707
MIN RADIUS: 0.247
MAX RADIUS: 1.549
MEAN RADIUS: 0.611
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.429	0.753
2:	0.273	0.722
3:	0.388	0.308
4:	0.282	-0.133
5:	0.173	-0.253
6:	-0.122	-0.154
7:	-0.360	-0.056
8:	-0.647	0.114
9:	-0.927	-0.580
10:	-0.024	-0.183

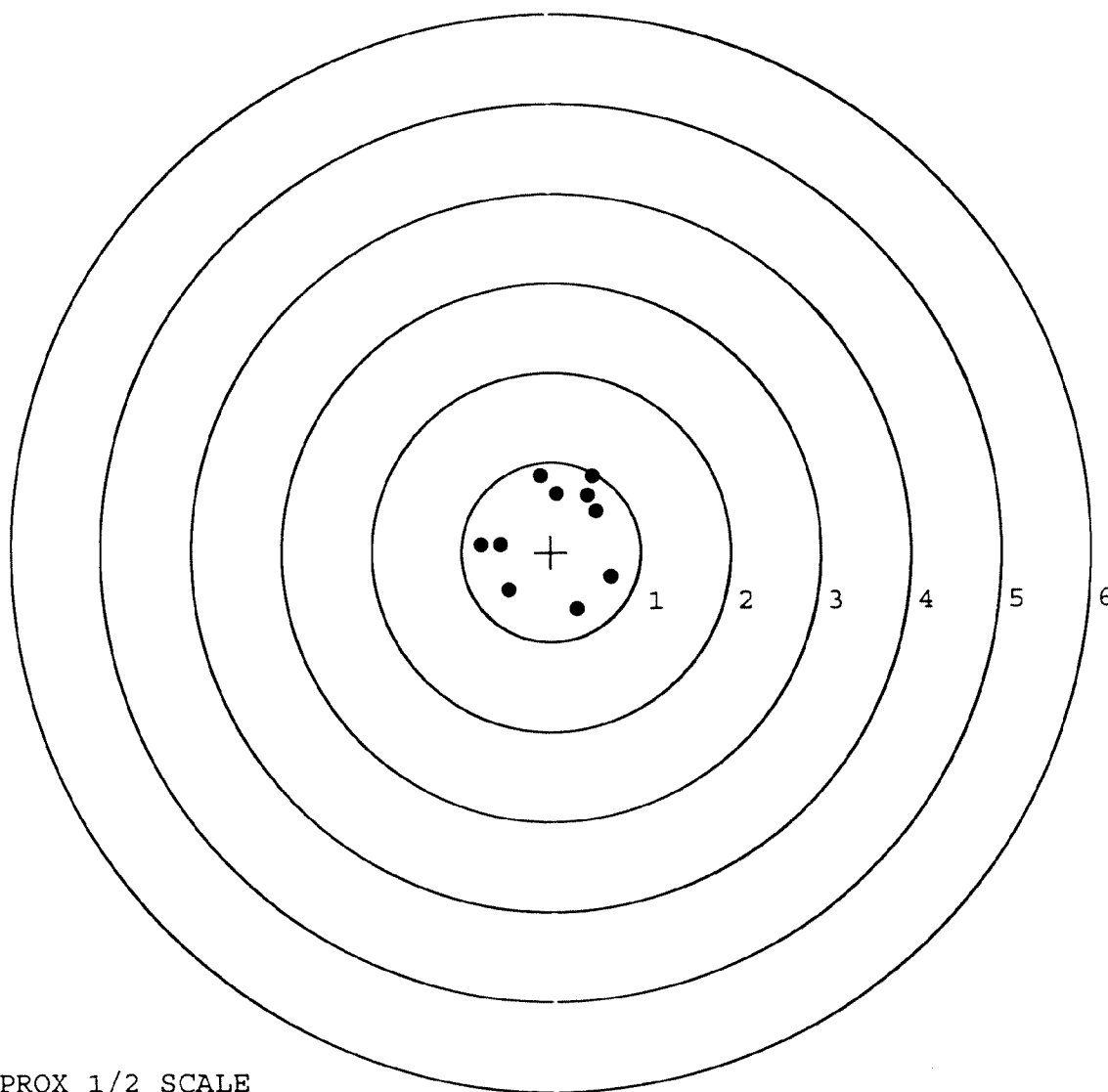


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349022. __ 0
TARGET NUMBER: 3
FILE DATE: 10/11/2008
FILE TIME: 07:02

X CENTROID: 0.048
Y CENTROID: 0.224
POA TO CENTROID: 0.229
HORZ SPREAD: 1.449
VERT SPREAD: 1.494
GROUP SPREAD: 1.549
MIN RADIUS: 0.428
MAX RADIUS: 0.903
MEAN RADIUS: 0.689
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.470	0.841
2:	0.414	0.627
3:	0.513	0.447
4:	0.668	-0.282
5:	0.291	-0.646
6:	-0.477	-0.424
7:	-0.565	0.087
8:	-0.781	0.090
9:	0.070	0.651
10:	-0.118	0.848

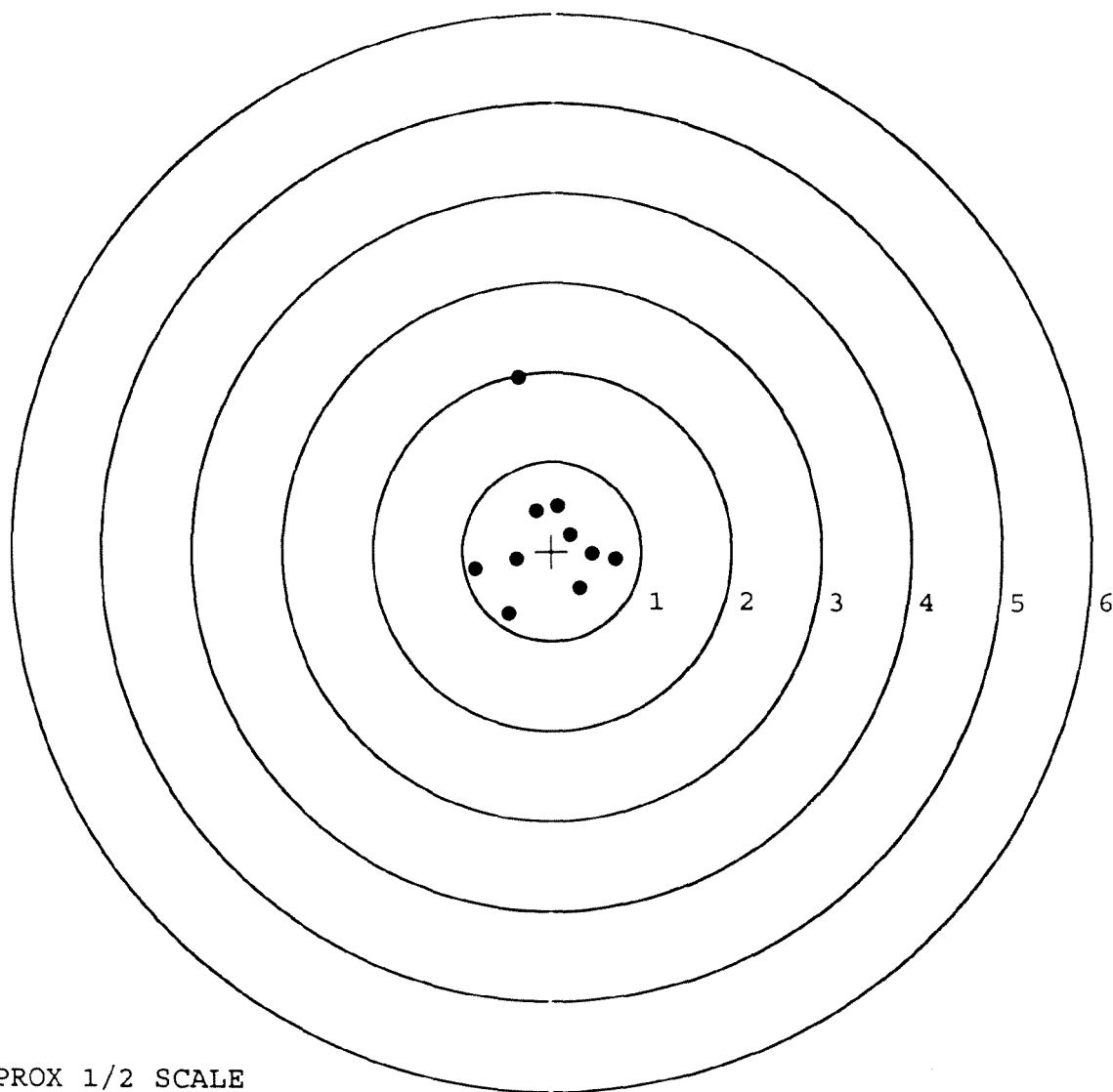


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349022. __0
TARGET NUMBER: 4
FILE DATE: 10/11/2008
FILE TIME: 07:02

POINT#	X	Y
1:	0.719	-0.087
2:	0.458	-0.033
3:	0.315	-0.411
4:	0.200	0.193
5:	0.066	0.510
6:	-0.180	0.452
7:	-0.397	-0.087
8:	-0.857	-0.205
9:	-0.477	-0.694
10:	-0.384	1.938

X CENTROID: -0.054
Y CENTROID: 0.158
POA TO CENTROID: 0.166
HORZ SPREAD: 1.576
VERT SPREAD: 2.632
GROUP SPREAD: 2.634
MIN RADIUS: 0.256
MAX RADIUS: 1.811
MEAN RADIUS: 0.705
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

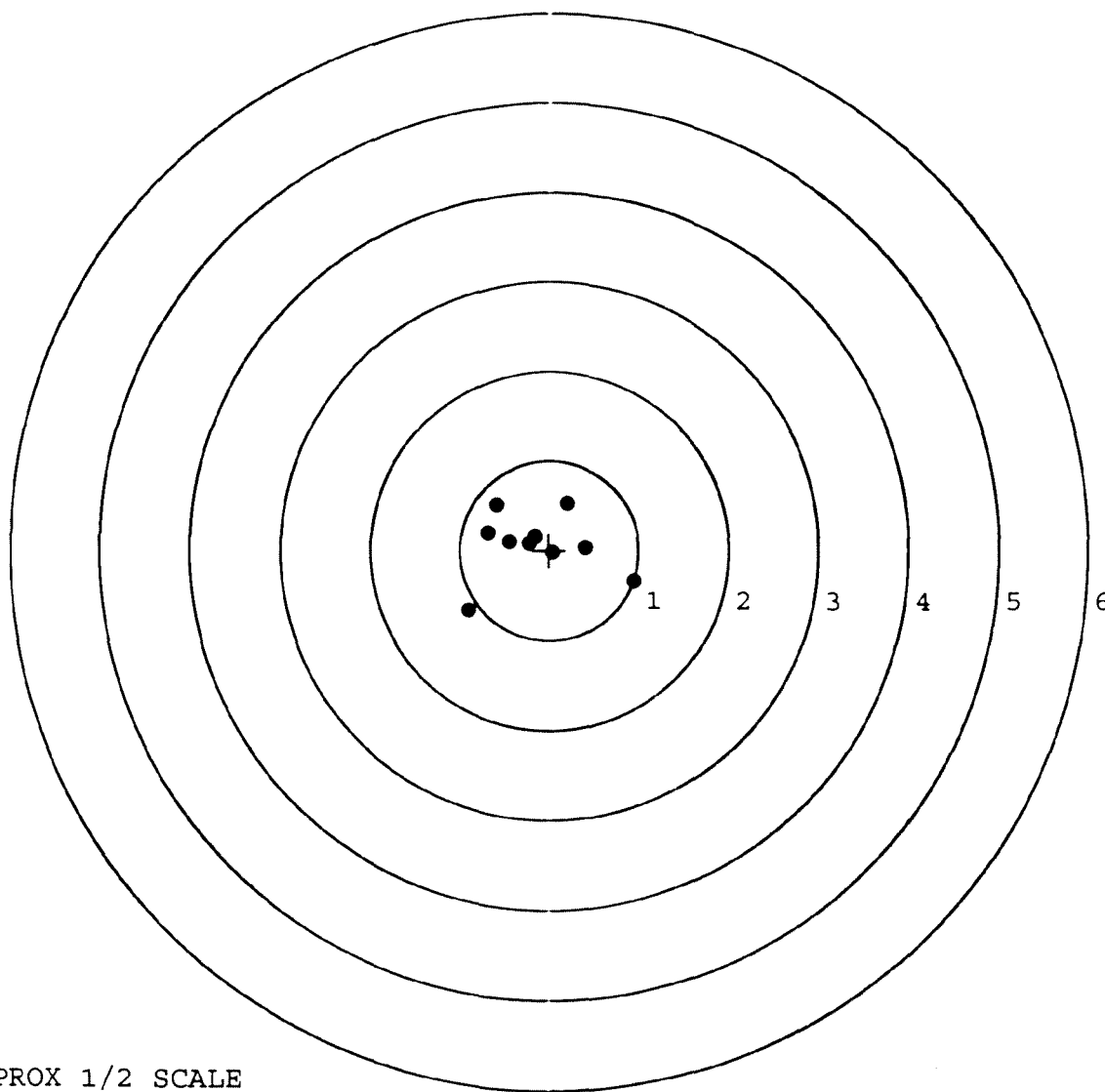


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349022. __0
TARGET NUMBER: 5
FILE DATE: 10/11/2008
FILE TIME: 07:02

POINT#	X	Y
1:	0.951	-0.340
2:	0.410	0.032
3:	0.202	0.523
4:	-0.588	0.508
5:	-0.689	0.197
6:	-0.446	0.094
7:	-0.158	0.149
8:	0.045	-0.030
9:	-0.903	-0.671
10:	-0.225	0.077

X CENTROID: -0.140
Y CENTROID: 0.054
POA TO CENTROID: 0.150
HORZ SPREAD: 1.854
VERT SPREAD: 1.194
GROUP SPREAD: 1.883
MIN RADIUS: 0.088
MAX RADIUS: 1.160
MEAN RADIUS: 0.525
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 99-09141

INITIAL * CUSTOMER ORDER NO.

SWS

382

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

04/07/99

04/08/99

BK 1-90

C6349022

700

7.64

M24

ACCESSORIES

W/STUDS

SCOPE BASE

FROM:

SHIP TO:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL
KY 42223US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL
KY 42223

CUST NO: 200414 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

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

MAIN FAULT

PARTS

COMMENTS

Barrel 9600.3
Extractor 91816

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400105959

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

File # 00382

Delivery Date 4/17/99

Customer Name (Print) US Army, James C. Starus Jr.
Address GSC 5th SFG, Ft. Campbell State KY Zip 42223
Phone Number (502)-798-2882/7932

Firearm Description Model 700 (m24) Cal./ Ga. 7-62
Serial Number C6349022
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 ☒

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. Starus Jr. Date 4/17/99
person delivering firearm.

Signature [Signature] Date 4/17/99
security officer

Signature Ang Sanguino Date 4/17/99
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 State

Signature _____ Date ____/____/____
person receiving firearm must be the same whom delivered

Signature _____ Date ____/____/____
security officer or other witness returning the firearm

Receipt Of Firearm. Doc
Rev. 12/16/98

ARM SERVICE COPY

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400105960

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349022
18 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0732
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.029
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0787353

THE AMR FOR THIS RIFLE IS: 1.218

CENTROIDAL DISTANCES

0 TO	1	.65728
1 TO	2	.709474
1 TO	3	.445786
1 TO	4	1.0095
1 TO	5	1.14797

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

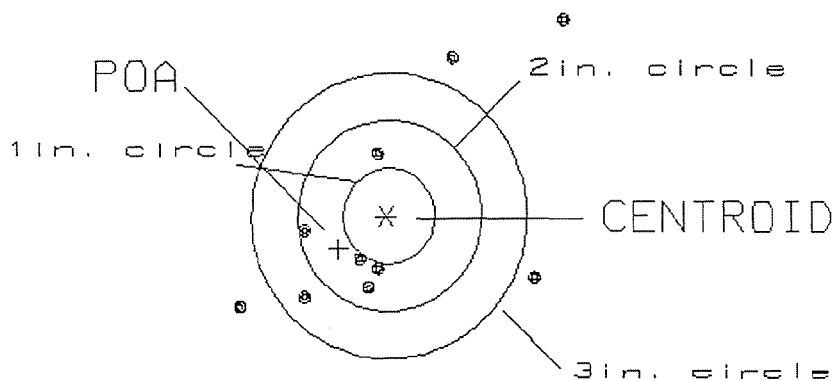
PATTERN #: 1

POA TO CENTROID: .625
 MIN RADIUS : .555
 MEAN RADIUS : 1.270
 MAX RADIUS : 2.727
 CENTROID X : .521
 CENTROID Y : .345

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349022

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.46

0

VS= 2.92

5

GS= 4.53

6

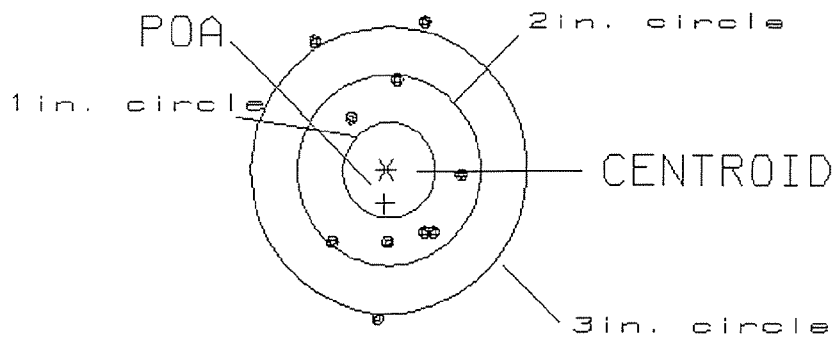
PATTERN #: 2

POA TO CENTROID: .352
 MIN RADIUS : .716
 MEAN RADIUS : 1.031
 MAX RADIUS : 1.567
 CENTROID X : .014
 CENTROID Y : .352

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349022

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.55
 VS= 3.06
 GS= 3.09

0
 7
 7

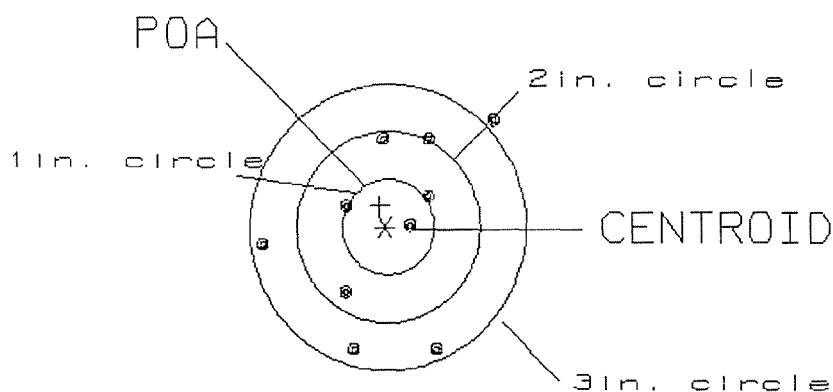
PATTERN #: 3

POA TO CENTROID: .232
 MIN RADIUS : .192
 MEAN RADIUS : .961
 MAX RADIUS : 1.602
 CENTROID X : .065
 CENTROID Y : -.223

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349022

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.50

2

VS= 2.39

6

GS= 2.81

9

PATTERN #: 4

POA TO CENTROID: .196

MIN RADIUS : .640

MEAN RADIUS : 1.269

MAX RADIUS : 2.095

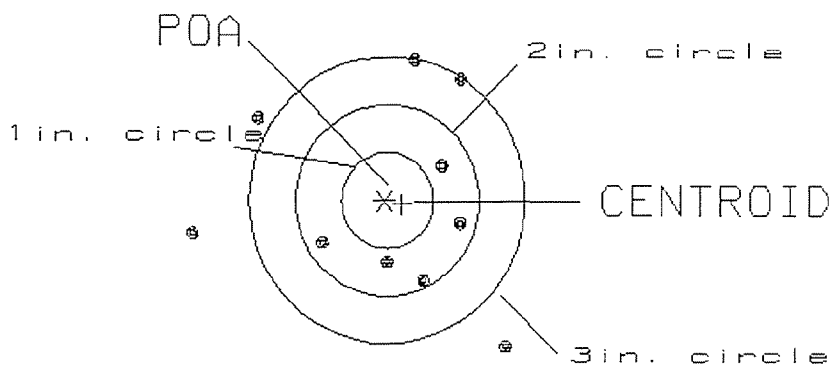
CENTROID X : -.193

CENTROID Y : .037

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349022

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.39

0

VS= 3.03

5

GS= 3.64

6

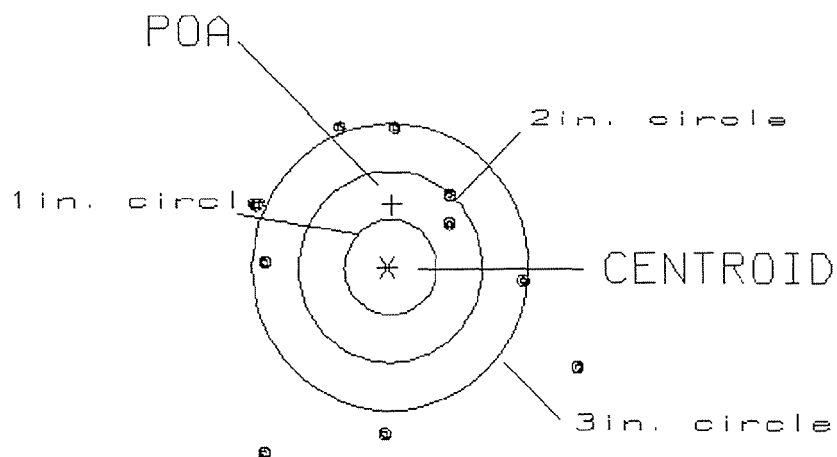
PATTERN #: 5

POA TO CENTROID: .658
 MIN RADIUS : .802
 MEAN RADIUS : 1.560
 MAX RADIUS : 2.391
 CENTROID X : -.041
 CENTROID Y : -.656

18 Jun 1999

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349022

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.48

0

VS= 3.46

2

GS= 3.89

5




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

MODEL 700™ H24

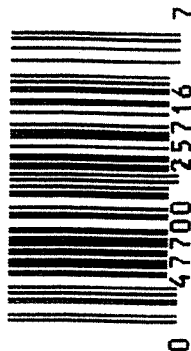
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marqua Deposee.

SERIAL NO.
C6349022

ORDER NO.
5716

01

UPC



5716 C6349022

RC-32
RePlace

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349022

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12	90	RW
600	Proof	1 12	90	A
607	Check Headspace	1 12	90	A
610	Dis-assemble Gun	1 12	90	RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/17/90	JS
617	Drill and Tap Sight Holes		1/18/90	FB
618	Polish Barrel JB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1/28/90	AA
	Apply Coating (Bolt)			AA
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/2/90	RW
	C) Inspect Ejector Hole for Chamfer		2/2/90	RW
	D) Oil Firing Pin Ass'y		2/2/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-8-90	GH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	5	4 1/2			2/8/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			2/8/90	WB
	H) Trigger Pull Test & Retainability						2-8-90	JLC
	I) Firing Pin Indent	.0215	.021	.0214			2/8/90	WB
	J) Assemble Stock						3/14/90	RW
	K) Assemble Swivel Studs						16 MAR 90	JS
	L) Attach Front and Rear Sight Assemblies						3/14/90	RW
	M) Iron Sight Alignment						3/14/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/14/90	RW
	O) Attach Scope to Rifle						14 MAR 90	JS
	P) Detach & Attach Scope 20 Times						14 MAR 90	JS
640	Gallery Target & Test						3-15-90	JS
	A) Time						"	JS
	B) Malfunctions						"	JS
	C) Pierced Primers						"	JS
	D) Optical Clarity of Scope						"	JS
645	Inspect for Live Ammo						3-15-90	JS
655	Final Inspection							
	A) Headspace						16 MAR 90	JS
	B) Trigger Pull	2.71	2.69	2.71	2.71	2.62	16 MAR 90	JS
	C) Function						16 MAR 90	JS
660	Pack						19 MAR 90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349022

DATE 2-8-90

TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.42	2.40	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.37	2.32	2.69	
PULL #3	2.37	2.44	2.43	2.71	
PULL #4	2.47	2.41	2.44	2.71	
PULL #5	2.38	2.42	2.40	2.62	
TOTAL	12.06	12.06	11.99	12.44	
AVG.	2.412	2.412	2.398	2.688	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.44		
PULL #2	3.34	3.40		
PULL #3	3.40	3.42		
PULL #4	3.35	3.40		
PULL #5	3.43	3.46		
TOTAL	16.92	17.12		
AVG.	3.384	3.424		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.26		4.25
PULL #2	4.28	4.25		4.21
PULL #3	4.31	4.30		4.24
PULL #4	4.30	4.35		4.30
PULL #5	4.30	4.26		4.24
TOTAL	21.45	21.42		
AVG.	4.29	4.284		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349022
15 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.154729
1 TO	2	.487922
1 TO	3	.260732
1 TO	4	.372549
1 TO	5	.313919

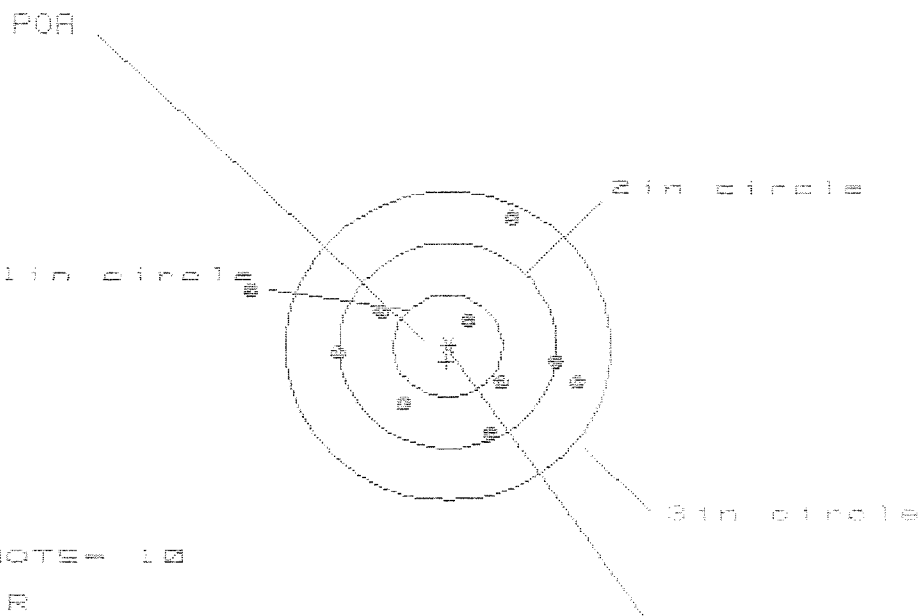
$\bar{x}_0$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0468
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.078
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0909628
THE AMR FOR THIS RIFLE IS: .8824

15 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349022

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 3.023

VS= 2.119

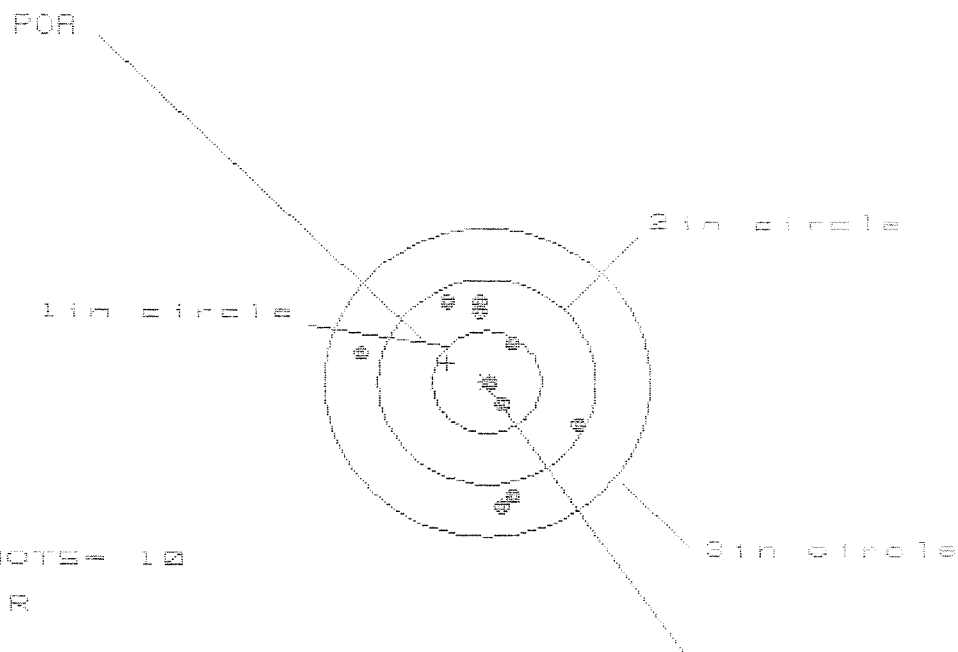
GS= 3.170

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.188	.984	1.038
MINIMUM X	:	-1.835	-1.237	-1.183
MAXIMUM Y	:	1.220	1.282	.818
MINIMUM Y	:	-.899	-.837	-.676
CENTROID X	:	.015	.219	.165
CENTROID Y	:	.154	.092	-.069
POA TO CENTROID in.	:	.155	.237	.179
MIN RADIUS	:	.298	.283	.386
MEAN RADIUS	:	.993	.860	.789
MAX RADIUS	:	1.918	1.352	1.193
HORIZONTAL SPREAD	:	3.023	2.221	2.221
VERTICAL SPREAD	:	2.119	2.119	1.294
EXTREME SPREAD	:	3.170	2.244	2.244
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Mar 1988

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.935

VS= 2.057

GS= 2.109

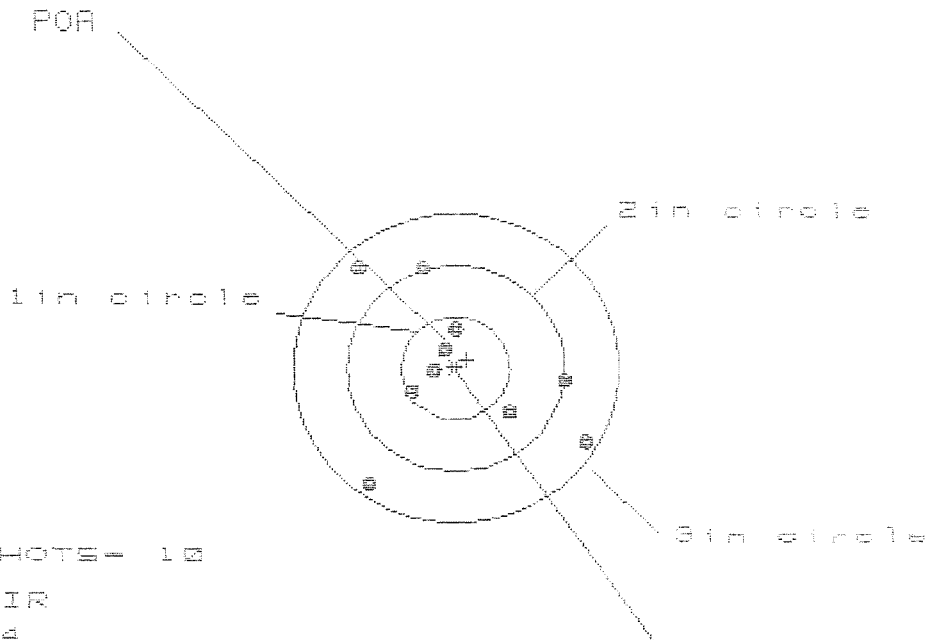
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.808	.818	.678
MINIMUM X	:	-1.127	-1.117	-.505
MAXIMUM Y	:	.807	.668	.691
MINIMUM Y	:	-1.250	-1.256	-1.233
CENTROID X	:	.363	.353	.493
CENTROID Y	:	-.188	-.049	-.072
POR TO CENTROID in.	:	.409	.357	.498
MIN RADIUS	:	.022	.120	.155
MEAN RADIUS	:	.755	.688	.622
MAX RADIUS	:	1.253	1.287	1.241
HORIZONTAL SPREAD	:	1.935	1.935	1.183
VERTICAL SPREAD	:	2.057	1.924	1.924
EXTREME SPREAD	:	2.109	2.076	2.030
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349022

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 10

HE = 2.070

VS = 2.167

GS = 2.705

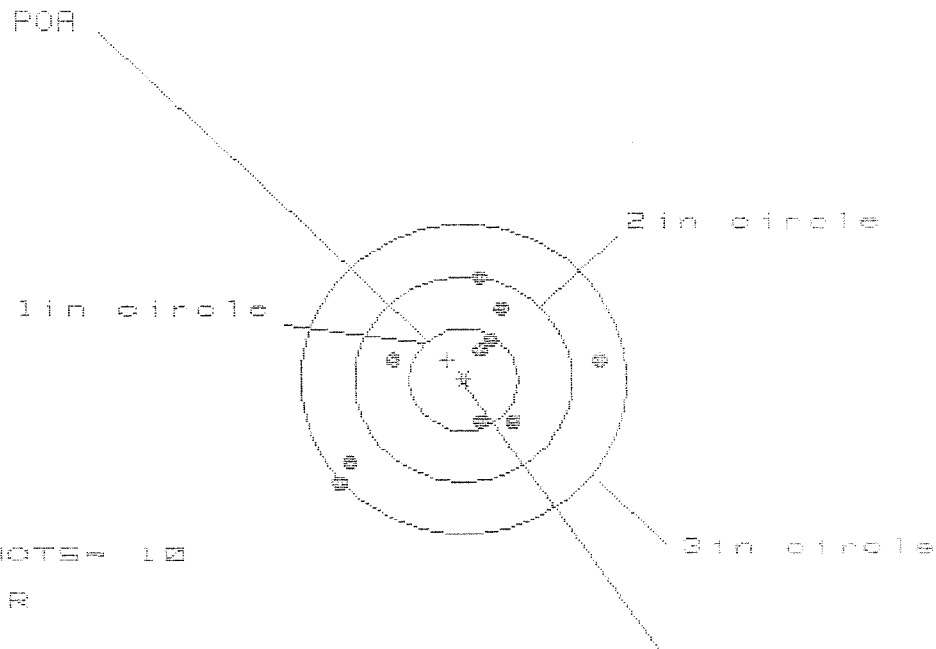
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.190	1.150	1.071
MINIMUM X	:	-.880	-.748	-.827
MAXIMUM Y	:	1.022	.940	.787
MINIMUM Y	:	-1.145	-1.227	-.636
CENTROID X	:	-.100	-.232	-.153
CENTROID Y	:	-.080	.002	.155
POR TO CENTROID in.	:	.128	.232	.218
MIN RADIUS	:	.180	.096	.077
MEAN RADIUS	:	.810	.718	.631
MAX RADIUS	:	1.399	1.381	1.131
HORIZONTAL SPREAD	:	2.070	1.898	1.898
VERTICAL SPREAD	:	2.167	2.167	1.423
EXTREME SPREAD	:	2.705	2.209	2.202
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349022

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.424

VS = 1.962

GS = 2.683

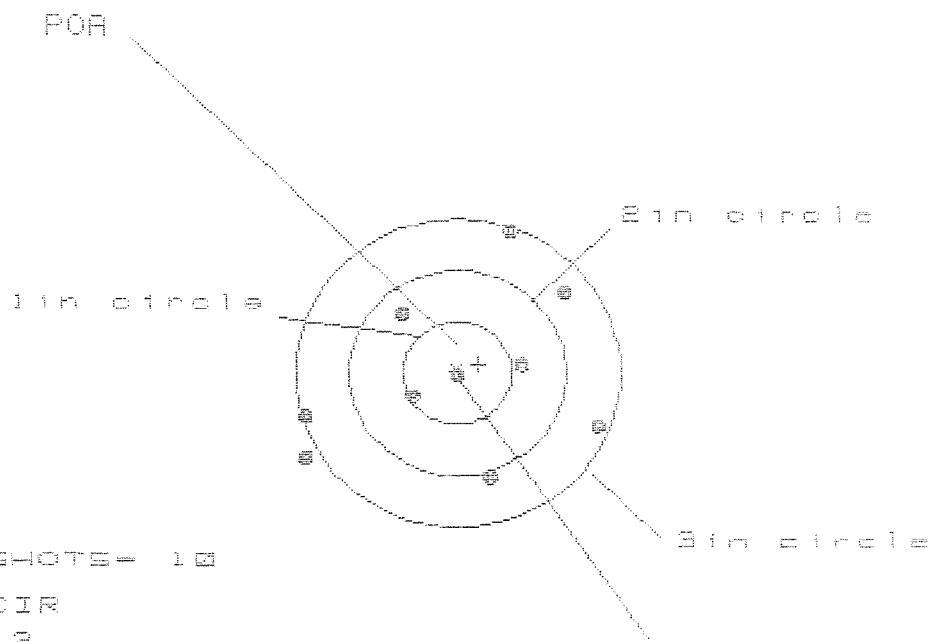
CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.361
MINIMUM X	-1.123
MAXIMUM Y	.989
MINIMUM Y	-.973
CENTROID X	.148
CENTROID Y	-.194
POA TO CENTROID in.	.244
MIN RADIUS	.358
MEAN RADIUS	.844
MAX RADIUS	1.486
HORIZONTAL SPREAD	2.424
VERTICAL SPREAD	1.962
EXTREME SPREAD	2.683
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

15 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349022

CENTERFIRE PATTERNS # 5



* OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.715

VS= 2.409

GS= 2.964

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.128	1.174
MINIMUM X	:	-1.429	-1.516	-1.470
MAXIMUM Y	:	1.422	1.333	.902
MINIMUM Y	:	-.987	-1.076	-.910
CENTROID X	:	-.192	-.034	-.080
CENTROID Y	:	-.082	.007	-.159
POA TO CENTROID in.	:	.209	.034	.178
MIN RADIUS	:	.011	.172	.128
MEAN RADIUS	:	1.010	.946	.877
MAX RADIUS	:	1.639	1.591	1.503
HORIZONTAL SPREAD	:	2.715	2.644	2.644
VERTICAL SPREAD	:	2.409	2.409	1.812
EXTREME SPREAD	:	2.964	2.648	2.648
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	