

C6225106

MODEL 700™ M24

Model 700 M24™

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: RE00136225

Serial: C6225106 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 11/2/2007 10:16:39 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: BARRY MOBERLY

BARRY MOBERLY

Address 1: L-3 COMMUNICATIONS

L-3 COMMUNICATIONS

Address 2: 5749 BRIAR HILL RD BLDG 221

PO Box:

5749 BRIAR HILL RD BLDG 221

PO Box:

City: LEXINGTON

LEXINGTON

State: KY

Zip Code: 40516

Country: US

State: KY

Zip Code: 40516

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
A008	With Swivel	3
A010	Hard Case	1
A026	Scope	1
A055	Deployment Kit	1
DOOC	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

11/2/2007

1:12 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

5 Int...

4 Mi...

Part S...

longo...

Arms ...

1:12 PM

Serial Number: C6225106

Model: M24 SWS



RE00136225

M-24 INSPECTION CHECKLIST
CONTRACT # DAAE-20-02-C-0149

R & E NUMBER

136225

SERIAL NUMBER

C6225106

LOG-IN DATE

11-2-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-8-08	RTZ
505	RE-BARREL	7-9-08	RTZ
560	ASSEMBLE	7-10-08	RTZ
600	PROOF	7-10-08	SD
605	CHECK HEADSPACE	7-10-08	SD
610	DIS-ASSEMBLE GUN	7-11-08	RTZ
612	MAGNAFLUX	7-11-08	(RTZ)
510	DRILL AND TAP	7-11-08	SP
615	ROLLMARK CALIBER	7-15-08	RTZ
618	ROTO-BLAST	7-15-08	RTZ
620	APPLY COATINGS	7-23-08	RTZ
625	FINAL ASSEMBLY	7-23-08	RTZ
640	FUNCTION TEST AND	9-2-08	RTZ
650	TARGET	9-2-08	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-2-08	TC
	A) HEADSPACE	9-10-08	RTZ
	B) TRIGGER PULL	2.44 233 232 233 2.30 9-8-08	Rsw
680	F) SAFETY ON FORCE	525 525 525 9-8-08	RTZ
	G) SAFETY OFF FORCE	425 425 425 9-8-08	RTZ
	I) FIRING PIN INDENT	022 022 022 9-8-08	RTZ
690	PACK	9-11-08	TC

MAGNA - FLUX

JUL 15 2008

OPERATOR (RTZ)

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225106.___0
FILE DATE AND TIME: 09/03/2008 11:45

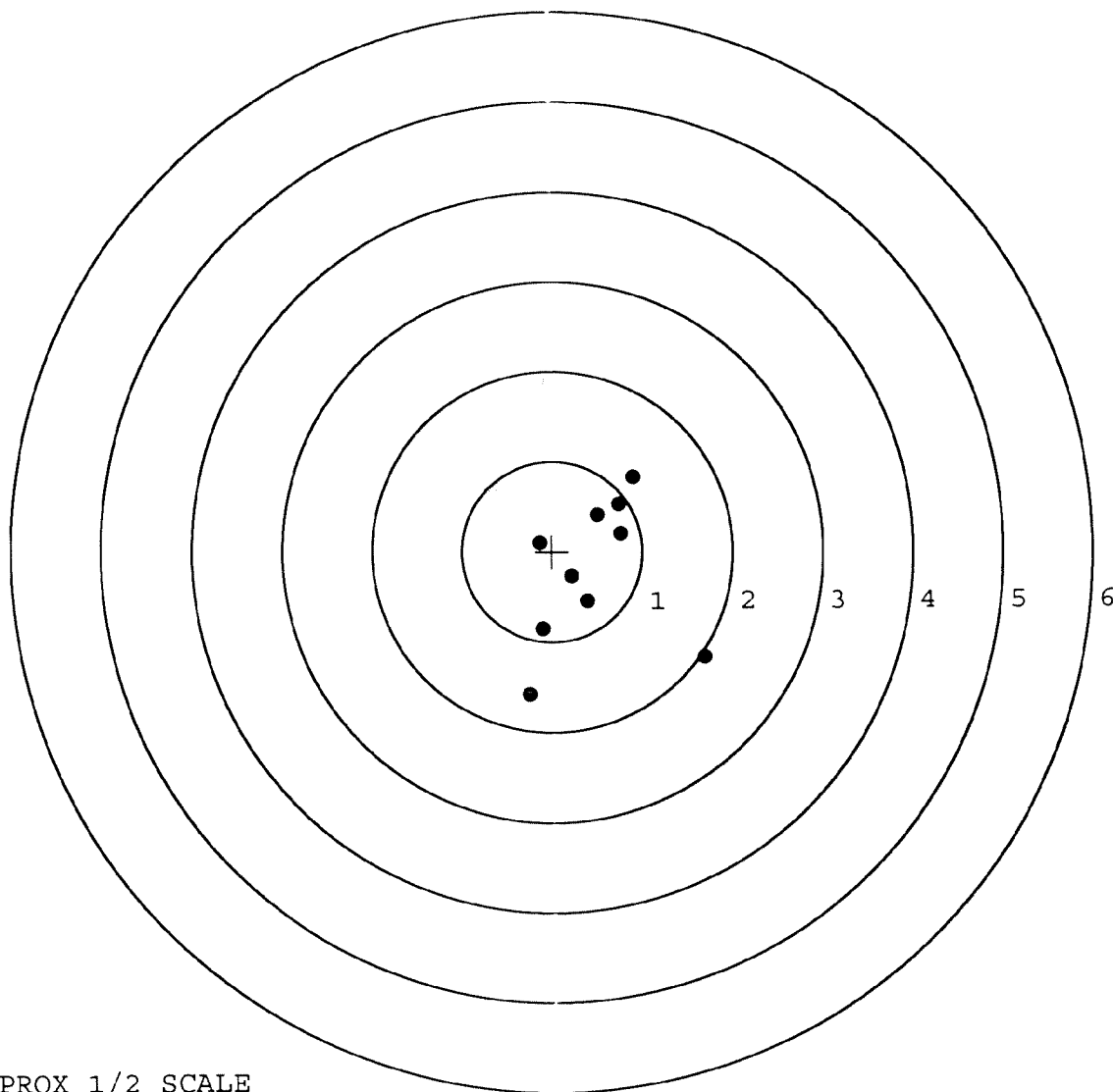
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.199
The Average Y Centroid of the Five Target Set:	-0.087
The Average Point of Impact of the Five Target Set:	0.218
The Average Mean Radius of the Five Target Set:	0.716
The Distance from POA to Centroid Target #1:	0.530
The Distance from Centroid Target #2 to Centroid Target #1:	0.229
The Distance from Centroid Target #3 to Centroid Target #1:	0.378
The Distance from Centroid Target #4 to Centroid Target #1:	0.331
The Distance from Centroid Target #5 to Centroid Target #1:	0.688

SERIAL NUMBER: C6225106. __0
 TARGET NUMBER: 1
 FILE DATE: 09/03/2008
 FILE TIME: 11:45

POINT#	X	Y
1:	1.682	-1.178
2:	-0.257	-1.587
3:	-0.112	-0.866
4:	0.388	-0.560
5:	0.220	-0.278
6:	-0.134	0.095
7:	0.505	0.403
8:	0.765	0.194
9:	0.743	0.520
10:	0.906	0.822

X CENTROID: 0.471
 Y CENTROID: -0.243
 POA TO CENTROID: 0.530
 HORZ SPREAD: 1.939
 VERT SPREAD: 2.409
 GROUP SPREAD: 2.218
 MIN RADIUS: 0.253
 MAX RADIUS: 1.530
 MEAN RADIUS: 0.832
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

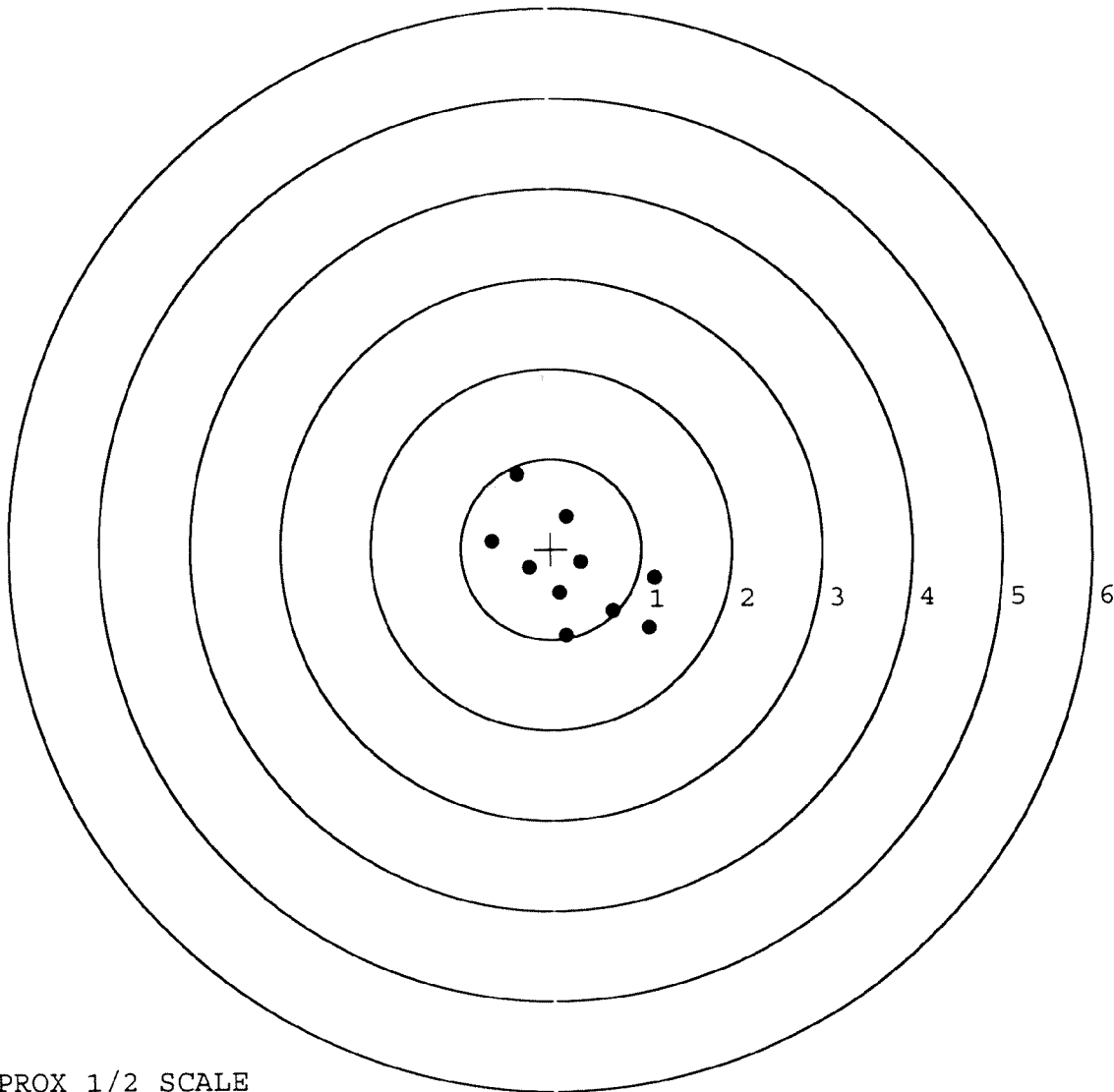


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225106. __0
 TARGET NUMBER: 2
 FILE DATE: 09/03/2008
 FILE TIME: 11:45

X CENTROID: 0.241
 Y CENTROID: -0.243
 POA TO CENTROID: 0.342
 HORZ SPREAD: 1.791
 VERT SPREAD: 1.793
 GROUP SPREAD: 2.237
 MIN RADIUS: 0.126
 MAX RADIUS: 1.235
 MEAN RADIUS: 0.700
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.079	-0.874
2:	1.144	-0.331
3:	0.686	-0.690
4:	0.160	-0.962
5:	0.098	-0.492
6:	0.329	-0.153
7:	0.178	0.361
8:	-0.245	-0.213
9:	-0.647	0.093
10:	-0.369	0.831



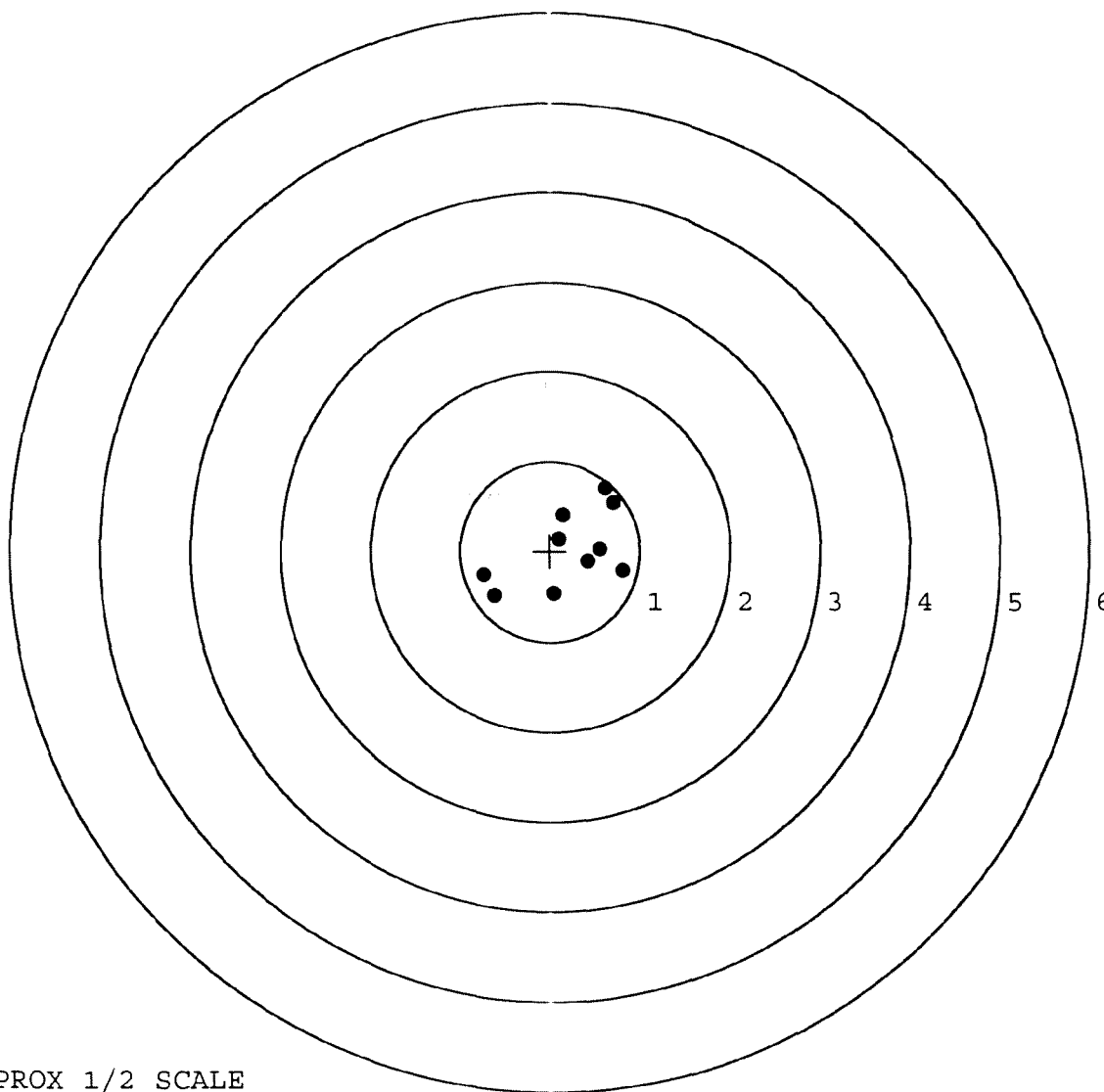
TARGET APPROX 1/2 SCALE

BARBER - M24 0049056

SERIAL NUMBER: C6225106. __0
 TARGET NUMBER: 3
 FILE DATE: 09/03/2008
 FILE TIME: 11:45

POINT#	X	Y
1:	0.043	-0.470
2:	-0.618	-0.492
3:	-0.739	-0.264
4:	0.422	-0.113
5:	0.813	-0.217
6:	0.559	0.029
7:	0.702	0.541
8:	0.615	0.703
9:	0.143	0.401
10:	0.105	0.136

X CENTROID: 0.204
 Y CENTROID: 0.025
 POA TO CENTROID: 0.206
 HORZ SPREAD: 1.552
 VERT SPREAD: 1.195
 GROUP SPREAD: 1.664
 MIN RADIUS: 0.149
 MAX RADIUS: 0.987
 MEAN RADIUS: 0.579
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



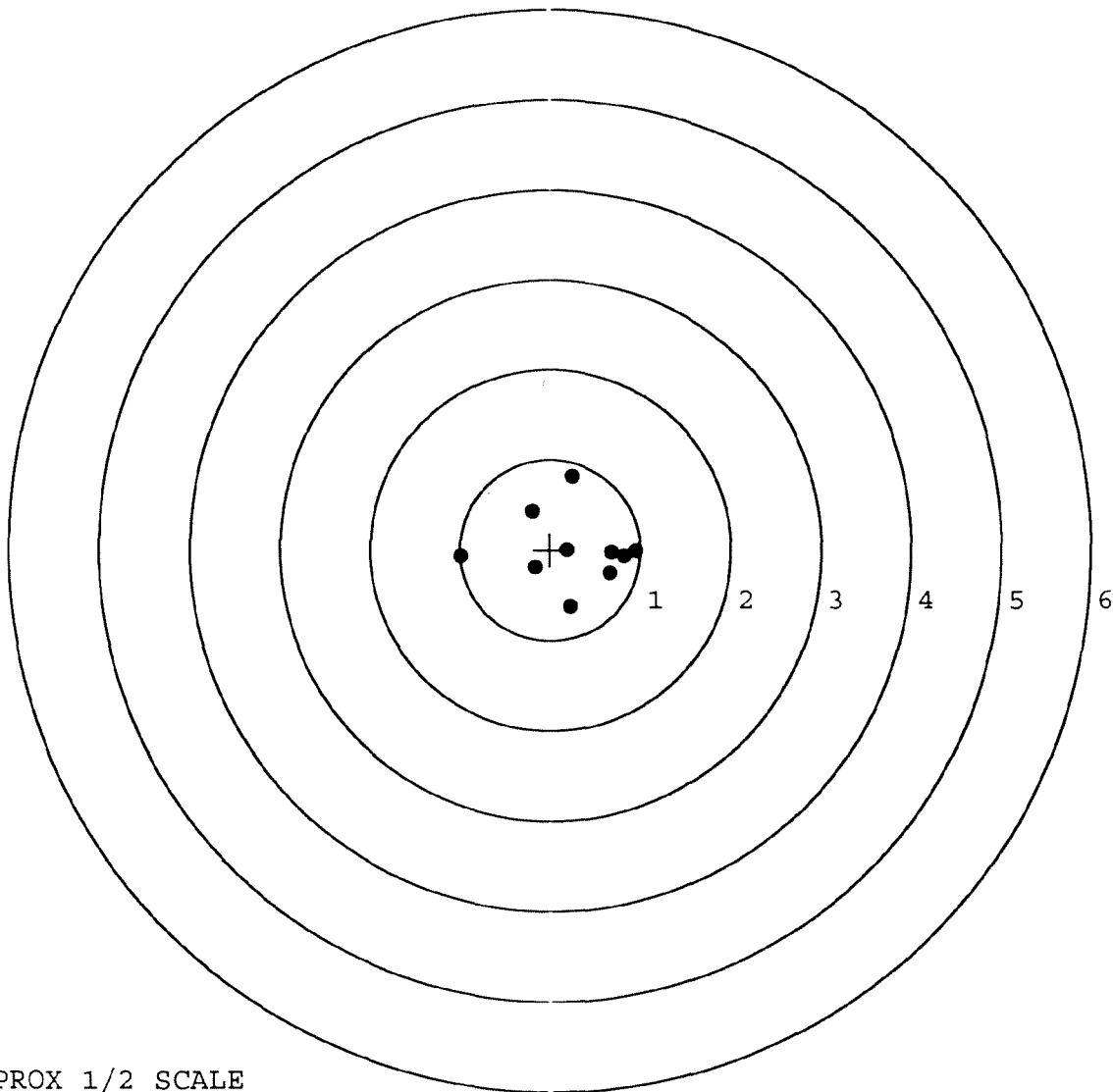
TARGET APPROX 1/2 SCALE

BARBER - M24 0049057

SERIAL NUMBER: C6225106. __0
 TARGET NUMBER: 4
 FILE DATE: 09/03/2008
 FILE TIME: 11:45

POINT#	X	Y
1:	0.222	-0.633
2:	0.666	-0.256
3:	0.821	-0.072
4:	0.947	-0.011
5:	0.190	-0.001
6:	-0.164	-0.197
7:	-0.993	-0.079
8:	-0.199	0.432
9:	0.250	0.807
10:	0.686	-0.026

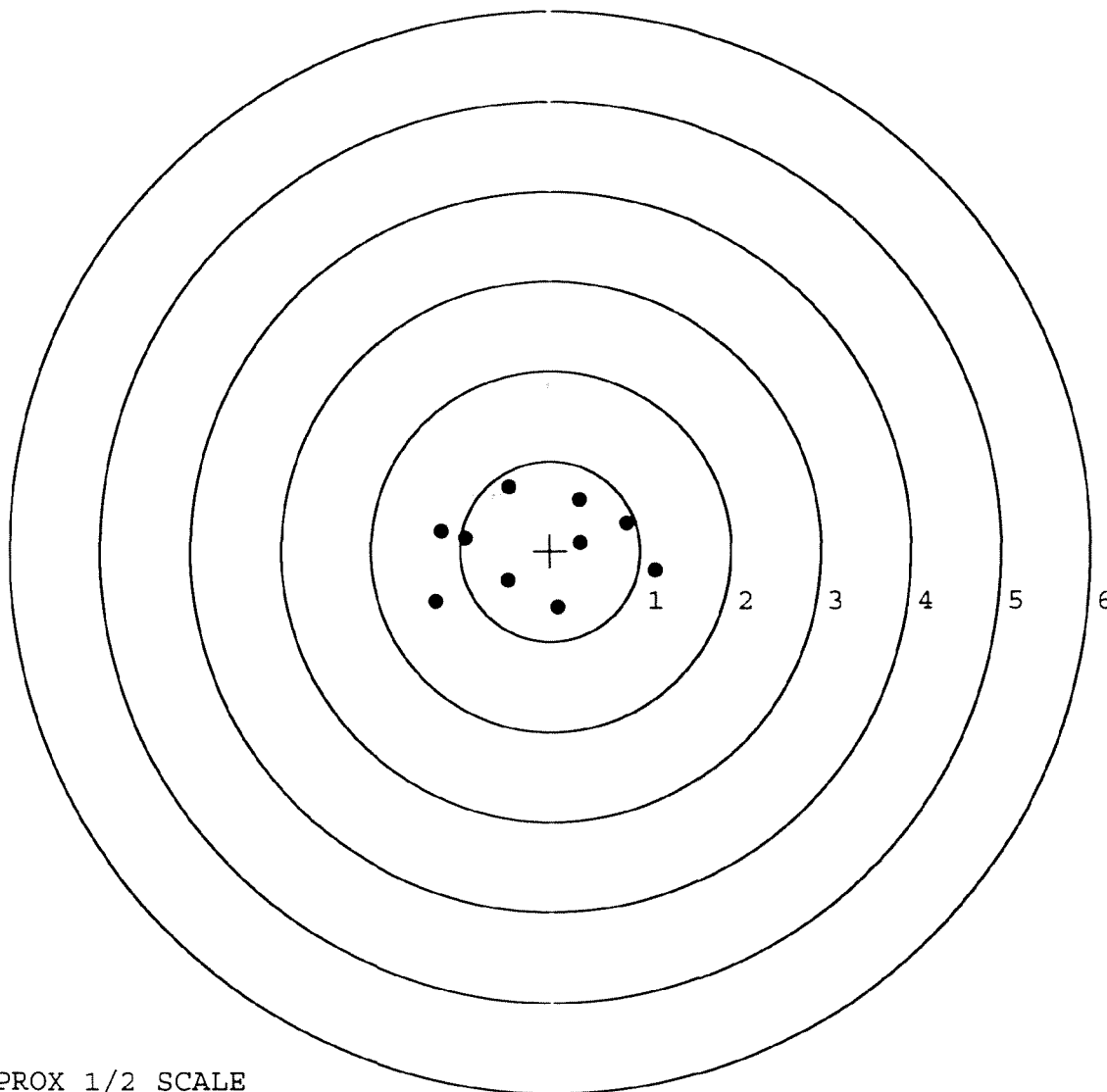
X CENTROID: 0.243
 Y CENTROID: -0.004
 POA TO CENTROID: 0.243
 HORZ SPREAD: 1.940
 VERT SPREAD: 1.440
 GROUP SPREAD: 1.941
 MIN RADIUS: 0.053
 MAX RADIUS: 1.238
 MEAN RADIUS: 0.603
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0049058

SERIAL NUMBER: C6225106. __0	POINT#	X	Y
TARGET NUMBER: 5	1:	1.162	-0.222
FILE DATE: 09/03/2008	2:	0.847	0.308
FILE TIME: 11:45	3:	0.333	0.092
	4:	0.326	0.573
X CENTROID: -0.162	5:	0.080	-0.631
Y CENTROID: 0.028	6:	-0.473	-0.332
POA TO CENTROID: 0.164	7:	-1.274	-0.573
HORZ SPREAD: 2.436	8:	-0.946	0.145
VERT SPREAD: 1.339	9:	-1.214	0.214
GROUP SPREAD: 2.461	10:	-0.461	0.708
MIN RADIUS: 0.476			
MAX RADIUS: 1.347			
MEAN RADIUS: 0.867			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

RECEIVED BARBER M24 M499 REPORT

COMMENTS

ORDER
R 94-18179

INITIAL
FBC
CUSTOMER ORDER NO.
DAA-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

89-1190

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6225106	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62	NATO
ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE						

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 CJO.DL

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA FRT
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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

Trigger Assy 193.71
Scope Rep 119.43
Clean/Insp/Prep 50.00
343.14

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
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GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
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OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 00499949098

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

SERIAL NO. C6225106DATE 9-15-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.34	2.20	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.22	2.62	
PULL #3	2.30	2.25	2.43	
PULL #4	2.28	2.20	2.59	
PULL #5	2.39	2.18	2.54	
TOTAL	11.61	11.05	12.71	
AVG.	2.32	2.21	2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.09		
PULL #2	3.11	3.08		
PULL #3	3.17	3.00		
PULL #4	3.15	3.10		
PULL #5	3.05	3.07		
TOTAL	15.58	15.34		
AVG.	3.11	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.27	4.11	
PULL #2	4.40	4.15	4.00	
PULL #3	4.34	4.30	4.12	
PULL #4	4.40	4.34	4.05	
PULL #5	4.36	4.29	4.06	
TOTAL	21.78	21.35	20.34	
AVG.	4.35	4.27	4.06	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C-6225106

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

[illegible]

SCOPE #
1176

M-24

INTERCHANGEABILITY

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225706

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	9	7/88	RW
612	Magnaflux Barrel Action		9-14-88	pfe.
	Magnaflux Bolt		9-14-88	pfe.
615	Rollmark Caliber		10/12/88	WC
617	Drill & Tap Sight Holes		10/12/88	FB
618	Polish Barrel		10/20/88	WT
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		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/3/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		11/3/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		3/NOV88	JS
	F) Safety on Force	5 5 5	4/NOV88	JS
	G) Safety off Force	3 3 3	4/NOV88	JS
	H) Trigger Pull Test & Retainability		3/NOV88	JS
	I) Firing Pin Indent	.0205 .021 .0205	4/NOV88	JS
	J) Assemble Stock		11/6/88	RW
	K) Assemble Swivel Studs		1/Dec 88	JS
	L) Attach Front & Rear Sight Assemblies		11/16/88	RW
	M) Iron Sight Alignment		11/16/88	RW
	N) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	O) Attach Scope to Rifle		11/18/88	WB
	P) Detach & Attach Scope 20 times		11/18/88	WB
640	Gallery Target & Test	61 R 92 L	11/29/88	DH
	A) Optical Clarity of Scope		11/29/88	DH
645	Inspect for Live Ammo		11/29/88	DH
655	Final Inspection			
	A) Headspace		1/Dec 88	JS
	B) Trigger Pull		1/Dec 88	JS
	C) Function		1/Dec 88	JS
660	Pack		12/10/88	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225106

DATE 3/10/88

TESTER J. A. + G. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.22	2.31	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.25	2.35	2.69	
PULL #3	2.33	2.27	2.40	2.66	
PULL #4	2.32	2.22	2.39	2.68	
PULL #5	2.30	2.23	2.41	2.68	
TOTAL	11.68	11.19	11.86	13.41	
AVG.	2.336	2.238	2.372	2.682	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.38		
PULL #2	3.38	3.38		
PULL #3	3.35	3.33		
PULL #4	3.35	3.39		
PULL #5	3.34	3.28		
TOTAL	16.77	16.76		
AVG.	3.354	3.352		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.05		4.28
PULL #2	4.05	4.00		4.26
PULL #3	4.04	4.06		4.28
PULL #4	4.02	4.08		4.31
PULL #5	4.07	4.05		4.29
TOTAL	20.27	20.24		21.42
AVG.	4.054	4.048		4.284

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225106

CENTROIDAL DISTANCES

0 TO	1	.24499
1 TO	2	.154434
1 TO	3	.366111
1 TO	4	.110386
1 TO	5	.475017

342 <----POA

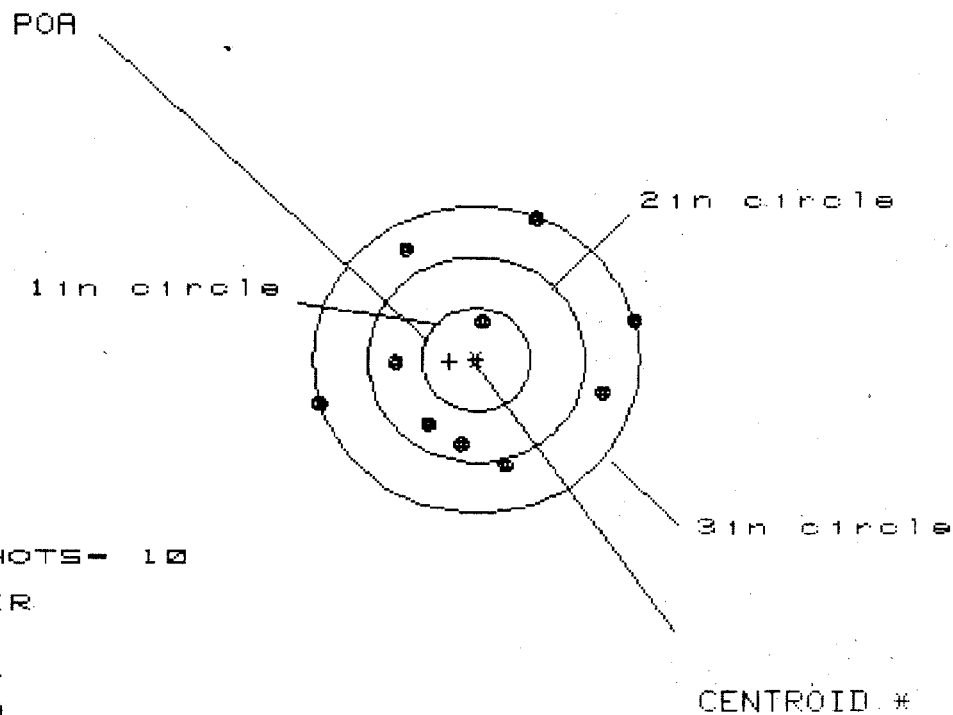
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .095
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0076
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0953035
 THE AMR FOR THIS RIFLE IS: .9062

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225106

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in = 9

HS= 2.865

VS= 2.379

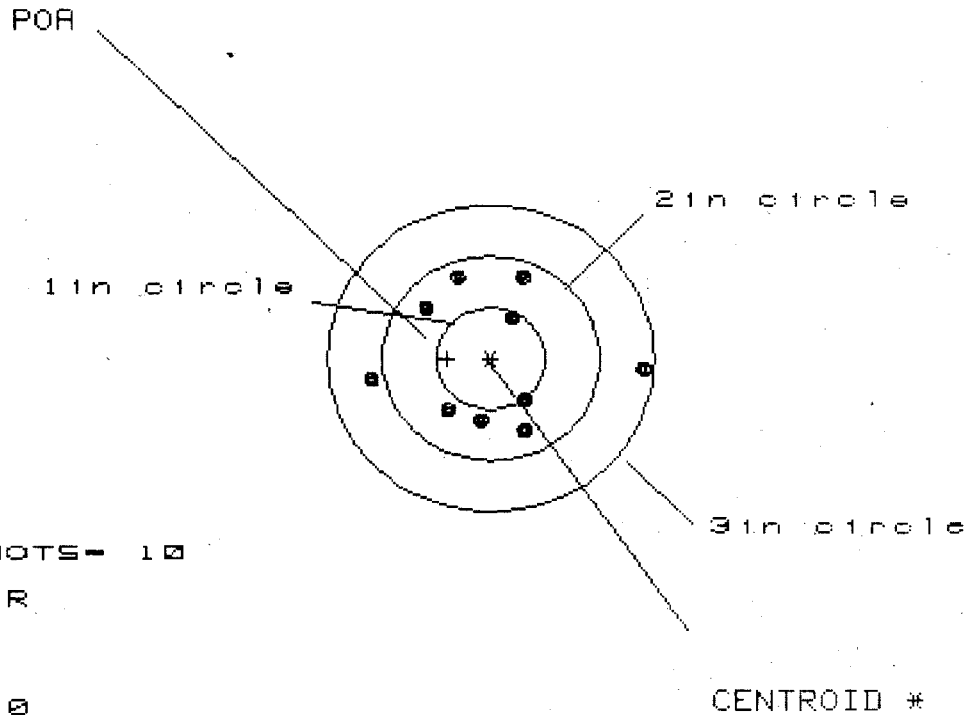
GS= 2.963

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.439	1.506	1.336
MINIMUM X	-1.426	-1.359	-.878
MAXIMUM Y	1.401	1.204	1.173
MINIMUM Y	-.978	-.823	-.854
CENTROID X	.244	.177	.347
CENTROID Y	.022	-.133	-.102
POA TO CENTROID in.	.245	.222	.362
MIN RADIUS	.378	.543	.502
MEAN RADIUS	1.065	.990	.949
MAX RADIUS	1.525	1.589	1.419
HORIZONTAL SPREAD	2.865	2.865	2.214
VERTICAL SPREAD	2.379	2.027	2.027
EXTREME SPREAD	2.963	2.963	2.288
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225106

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.493

VS= 1.508

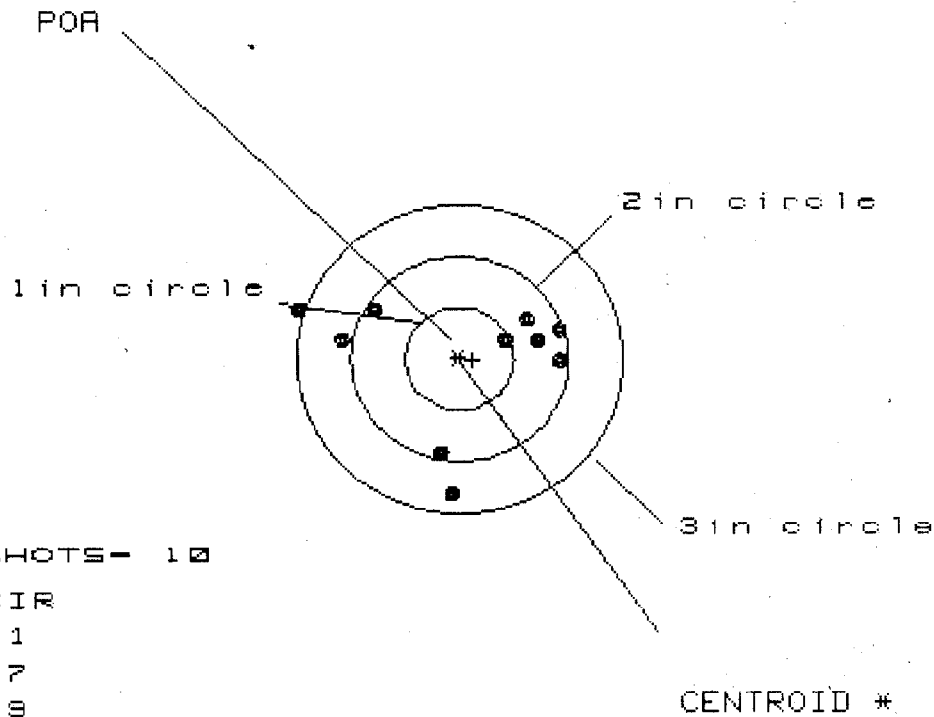
GS= 2.494

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.355	.461	.338
MINIMUM X	-1.137	-.987	-.601
MAXIMUM Y	.795	.785	.763
MINIMUM Y	-.713	-.723	-.745
CENTROID X	.397	.247	.370
CENTROID Y	.001	.011	.033
POA TO CENTROID in.	.398	.247	.372
MIN RADIUS	.495	.572	.481
MEAN RADIUS	.800	.733	.688
MAX RADIUS	1.358	1.003	.832
HORIZONTAL SPREAD	2.493	1.448	.939
VERTICAL SPREAD	1.508	1.508	1.508
EXTREME SPREAD	2.494	1.734	1.580
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225106

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 8

HS = 2.461

VS = 1.797

GS = 2.511

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.945	.777	.744
MINIMUM X	:	-1.516	-1.285	-1.318
MAXIMUM Y	:	.514	.571	.418
MINIMUM Y	:	-1.283	-1.226	-1.042
CENTROID X	:	-.122	.046	.079
CENTROID Y	:	.013	-.044	.109
POA TO CENTROID in.	:	.123	.064	.135
MIN RADIUS	:	.475	.358	.253
MEAN RADIUS	:	.976	.866	.782
MAX RADIUS	:	1.600	1.310	1.322
HORIZONTAL SPREAD	:	2.461	2.062	2.062
VERTICAL SPREAD	:	1.797	1.797	1.460
EXTREME SPREAD	:	2.511	2.070	2.070
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

29 Nov 1986

FILE:/PATTERNING/CENTERFIRE_PATT/08225106

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.493

VS= 2.221

GS= 2.661

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.720	.523	.353
MINIMUM X	:	-1.773	-.596	-.531
MAXIMUM Y	:	1.204	1.195	1.066
MINIMUM Y	:	-1.017	-1.026	-.770
CENTROID X	:	.152	.349	.284
CENTROID Y	:	.083	.092	.221
POA TO CENTROID in.	:	.173	.361	.360
MIN RADIUS	:	.065	.187	.137
MEAN RADIUS	:	.819	.700	.647
MAX RADIUS	:	1.775	1.241	1.100
HORIZONTAL SPREAD	:	2.493	1.119	.884
VERTICAL SPREAD	:	2.221	2.221	1.836
EXTREME SPREAD	:	2.661	2.381	1.939
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225106

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.408

VS= 2.549

GS= 2.554

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.350
MINIMUM X	-1.058
MAXIMUM Y	.807
MINIMUM Y	-1.742
CENTROID X	-.196
CENTROID Y	-.157
POA TO CENTROID in.	.251
MIN RADIUS	.270
MEAN RADIUS	.871
MAX RADIUS	1.785
HORIZONTAL SPREAD	2.408
VERTICAL SPREAD	2.549
EXTREME SPREAD	2.554
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225106

CENTROIDAL DISTANCES

0 TO	1	.738769
1 TO	2	.749209
1 TO	3	.680829
1 TO	4	.572986
1 TO	5	1.05513

$\frac{1}{5}$ $\frac{4}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4608
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1262
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .477769
THE AMR FOR THIS RIFLE IS: .7892

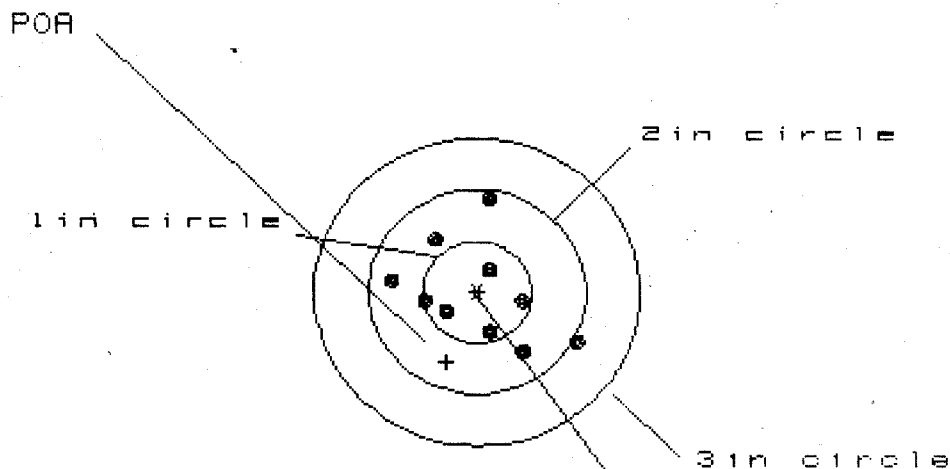
INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225106.1

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.723

VS= 1.538

GS= 1.822

CENTROID *

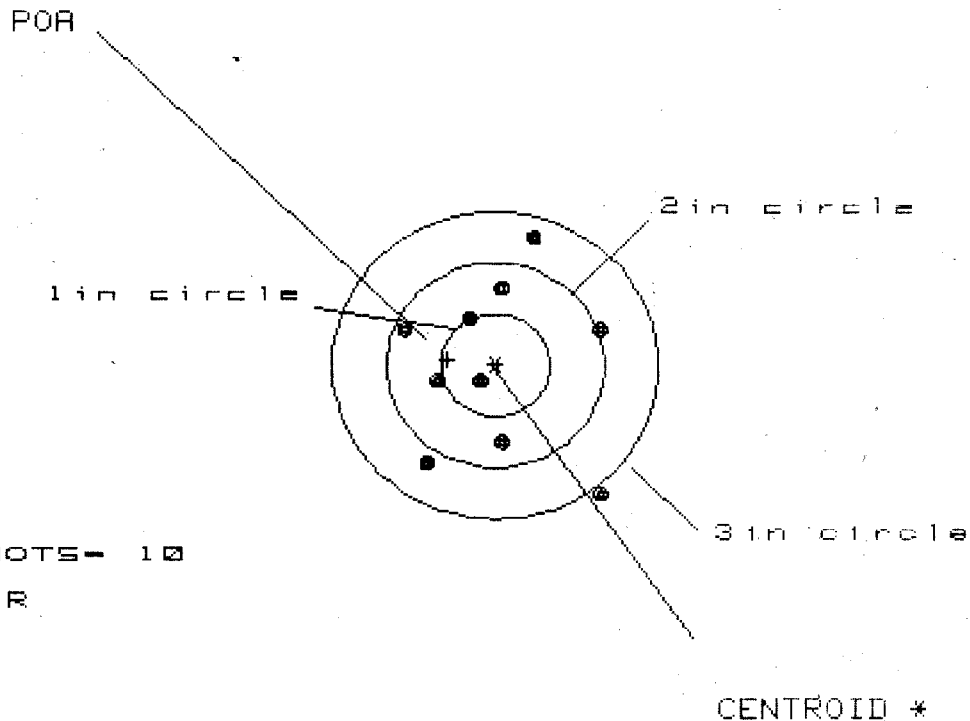
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.943	.548	.574
MINIMUM X	-.780	-.675	-.649
MAXIMUM Y	.929	.879	.578
MINIMUM Y	-.609	-.659	-.549
CENTROID X	.284	.179	.153
CENTROID Y	.682	.732	.622
POA TO CENTROID in.	.739	.754	.641
MIN RADIUS	.211	.230	.231
MEAN RADIUS	.610	.553	.497
MAX RADIUS	1.046	.903	.794
HORIZONTAL SPREAD	1.723	1.223	1.223
VERTICAL SPREAD	1.538	1.538	1.127
EXTREME SPREAD	1.822	1.575	1.434
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225186.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS- 1.834

VS- 2.530

GS- 2.599

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	1.092	1.146
MINIMUM X	-.845	-.742	-.688
MAXIMUM Y	1.253	1.111	.778
MINIMUM Y	-1.277	-1.060	-.921
CENTROID X	.439	.336	.282
CENTROID Y	-.051	.091	-.048
POA TO CENTROID in.	.442	.348	.286
MIN RADIUS	.218	.308	.185
MEAN RADIUS	.869	.768	.695
MAX RADIUS	1.578	1.193	1.212
HORIZONTAL SPREAD	1.834	1.834	1.834
VERTICAL SPREAD	2.530	2.171	1.699
EXTREME SPREAD	2.599	2.373	2.084
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225186.1

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.204

VS= 2.583

GS= 2.687

CENTROID *

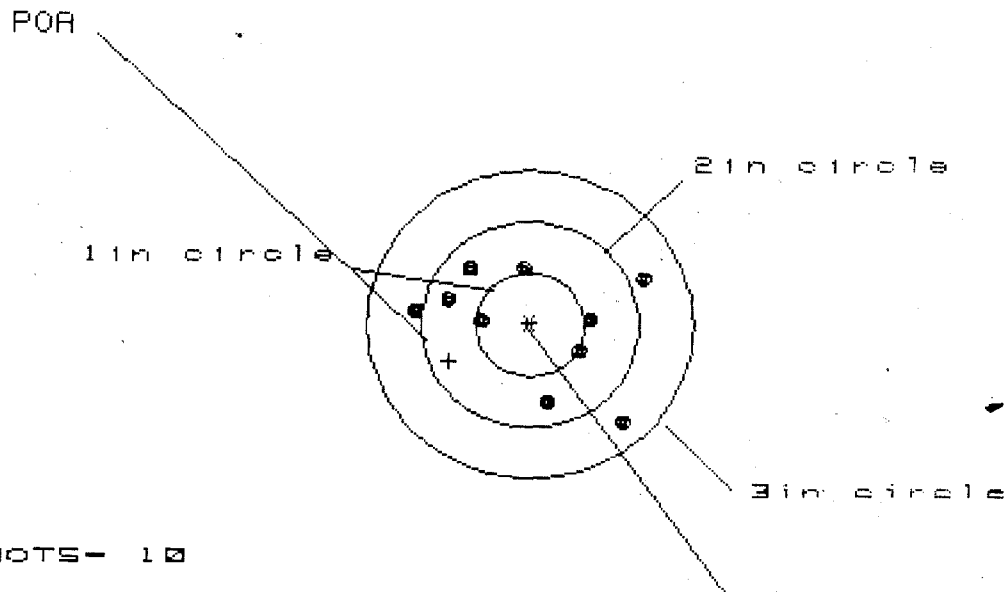
PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.248	1.142	1.030
MINIMUM X	-.956	-.895	-.780
MAXIMUM Y	1.210	1.057	.998
MINIMUM Y	-1.373	-1.074	-.942
CENTROID X	.346	.452	.564
CENTROID Y	.004	.157	.025
POA TO CENTROID in.	.346	.479	.565
MIN RADIUS	.177	.051	.122
MEAN RADIUS	.921	.830	.754
MAX RADIUS	1.673	1.385	1.267
HORIZONTAL SPREAD	2.204	2.037	1.810
VERTICAL SPREAD	2.583	2.131	1.940
EXTREME SPREAD	2.687	2.687	2.398
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225106.1

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 2.119

VS = 1.532

GS = 2.230

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.034
MINIMUM X	-1.085
MAXIMUM Y	.541
MINIMUM Y	-.991
CENTROID X	.751
CENTROID Y	.350
POA TO CENTROID in.	.829
MIN RADIUS	.485
MEAN RADIUS	.792
MAX RADIUS	1.282
HORIZONTAL SPREAD	2.119
VERTICAL SPREAD	1.532
EXTREME SPREAD	2.230
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225106.1

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.722

VS= 2.191

GS= 2.349

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.771	.666	.632
MINIMUM X	-.951	-.834	-.868
MAXIMUM Y	1.148	1.015	.900
MINIMUM Y	-1.043	-.915	-.899
CENTROID X	.484	.589	.623
CENTROID Y	-.354	-.482	-.367
POA TO CENTROID in.	.599	.761	.723
MIN RADIUS	.270	.159	.136
MEAN RADIUS	.754	.643	.598
MAX RADIUS	1.490	1.018	.902
HORIZONTAL SPREAD	1.722	1.500	1.500
VERTICAL SPREAD	2.191	1.930	1.799
EXTREME SPREAD	2.349	1.962	1.799
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		