

C6225188

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smith[®]

Remington®
REG. U.S. PAT. & TM. OFF.

DUPONT

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

MODEL 700™ H24

SERIAL NO. C6225188

ORDER NO. 5716

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

Ø1



UPC



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: **RE00071769** Serial: C6225188 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS Repairman: Status: Closed 10/21/2003 11:51:04 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: MATERIAL MOVEMENT SECTION MATERIAL MOVEMENT SECTION

Address 1: BLDG 9630 BLDG 9630

Address 2: PRESCOTT AVE PO Box PRESCOTT AVE PO Box

City: FORT LEWIS FORT LEWIS

State: WA Zip Code: 98433 Country: US State: WA Zip Code: 98433 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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>2</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Studs	3	A016	Scope Mounts	2	A017	Scope Base	1
Code	Desc	Qty														
A007	With Studs	3														
A016	Scope Mounts	2														
A017	Scope Base	1														

Repair Search Refresh Close

nagletj 10/21/2003 12:42 PM CAPS NUM INS SCPL

start 2 Nic... 5 Nic... Trap Di... Arms S... Part Sc... Adobe... RE: B7... 12:42 PM

Serial Number: **C6225188**

Model: **700**



RE00071769

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

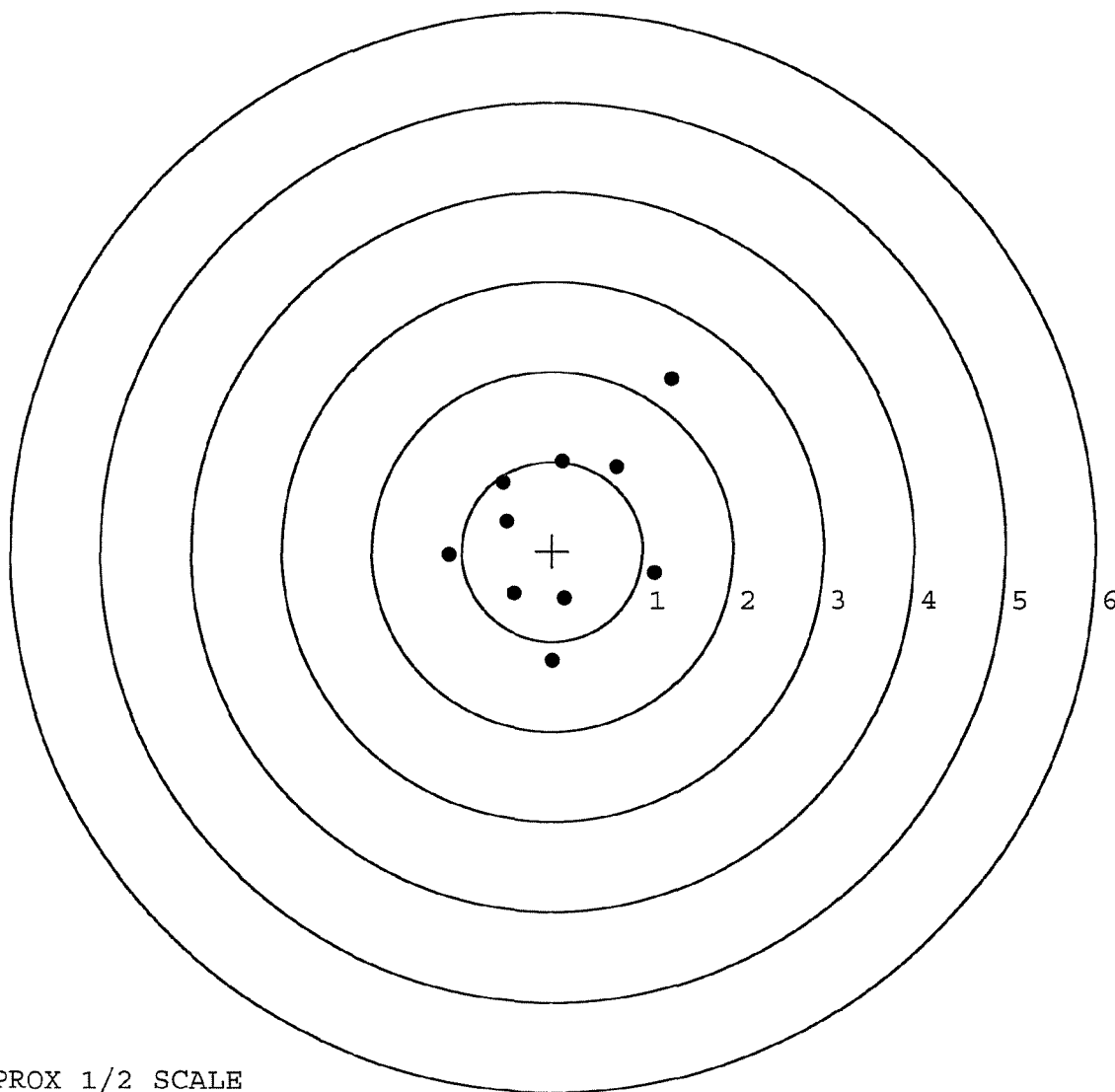
FIREARM SERIAL NUMBER / DATASET NAME: C6225188.___0
FILE DATE AND TIME: 11/12/2003 11:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.012
The Average Y Centroid of the Five Target Set:	0.055
The Average Point of Impact of the Five Target Set:	0.056
The Average Mean Radius of the Five Target Set:	0.811
The Distance from POA to Centroid Target #1:	0.255
The Distance from Centroid Target #2 to Centroid Target #1:	0.404
The Distance from Centroid Target #3 to Centroid Target #1:	0.242
The Distance from Centroid Target #4 to Centroid Target #1:	0.345
The Distance from Centroid Target #5 to Centroid Target #1:	0.290

BARBER - M24 0010192

SERIAL NUMBER: C6225188.____0	POINT#	X	Y
TARGET NUMBER: 1	1:	1.312	1.917
FILE DATE: 11/12/2003	2:	0.712	0.941
FILE TIME: 11:50	3:	0.117	1.004
	4:	-0.541	0.757
X CENTROID: 0.083	5:	-0.501	0.326
Y CENTROID: 0.241	6:	-1.140	-0.057
POA TO CENTROID: 0.255	7:	-0.419	-0.481
HORZ SPREAD: 2.452	8:	0.142	-0.531
VERT SPREAD: 3.134	9:	1.137	-0.247
GROUP SPREAD: 3.394	10:	0.010	-1.217
MIN RADIUS: 0.590			
MAX RADIUS: 2.078			
MEAN RADIUS: 1.072			
# IN 1 IN DIAMETER: 0			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 9			



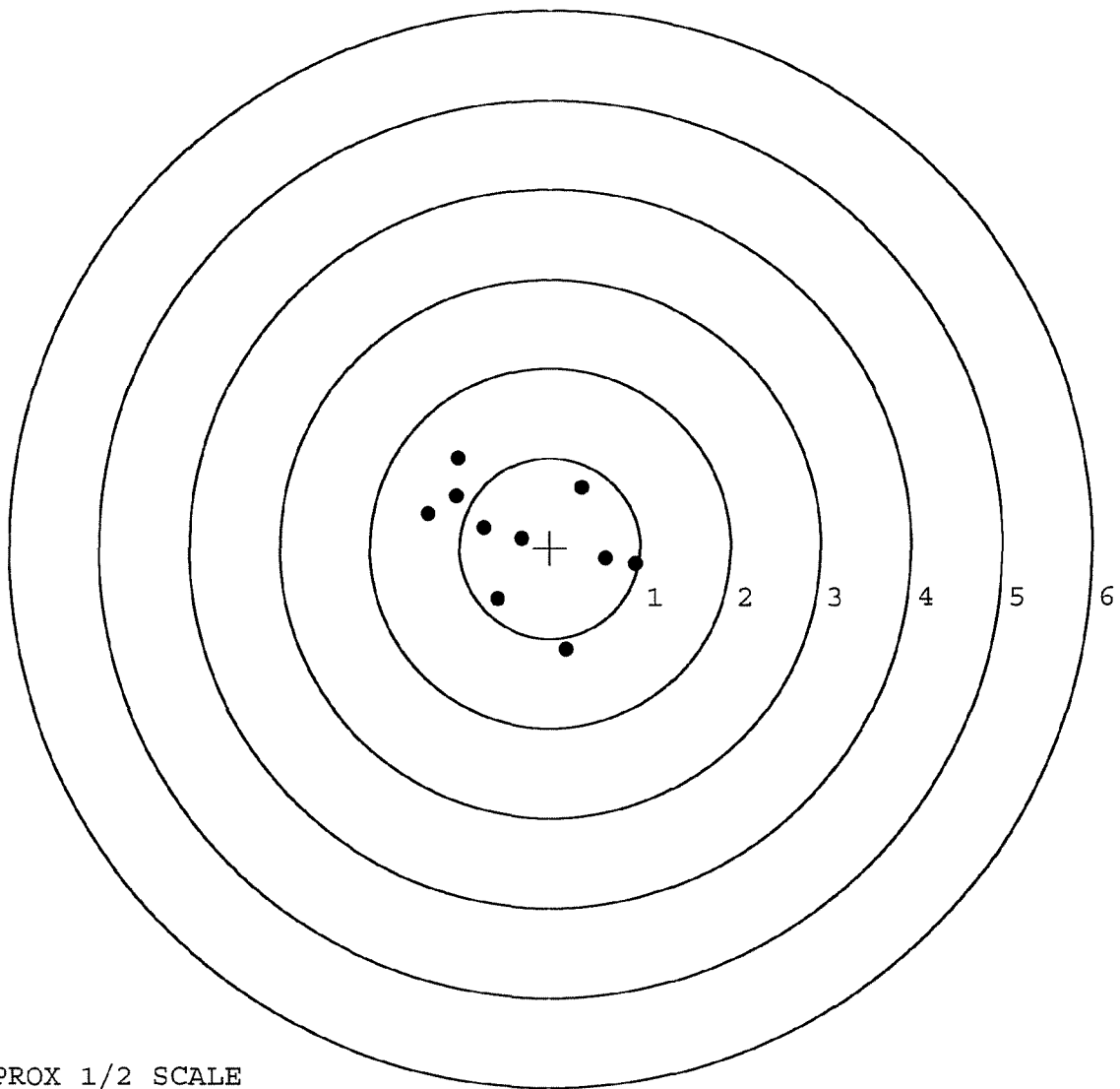
TARGET APPROX 1/2 SCALE

BARBER - M24 0010193

SERIAL NUMBER: C6225188. __0
 TARGET NUMBER: 2
 FILE DATE: 11/12/2003
 FILE TIME: 11:50

POINT#	X	Y
1:	-1.018	0.993
2:	-1.356	0.367
3:	-1.034	0.567
4:	-0.735	0.217
5:	-0.317	0.106
6:	0.359	0.670
7:	0.949	-0.183
8:	0.623	-0.124
9:	-0.577	-0.576
10:	0.186	-1.132

X CENTROID: -0.292
 Y CENTROID: 0.090
 POA TO CENTROID: 0.306
 HORZ SPREAD: 2.305
 VERT SPREAD: 2.125
 GROUP SPREAD: 2.442
 MIN RADIUS: 0.029
 MAX RADIUS: 1.313
 MEAN RADIUS: 0.875
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



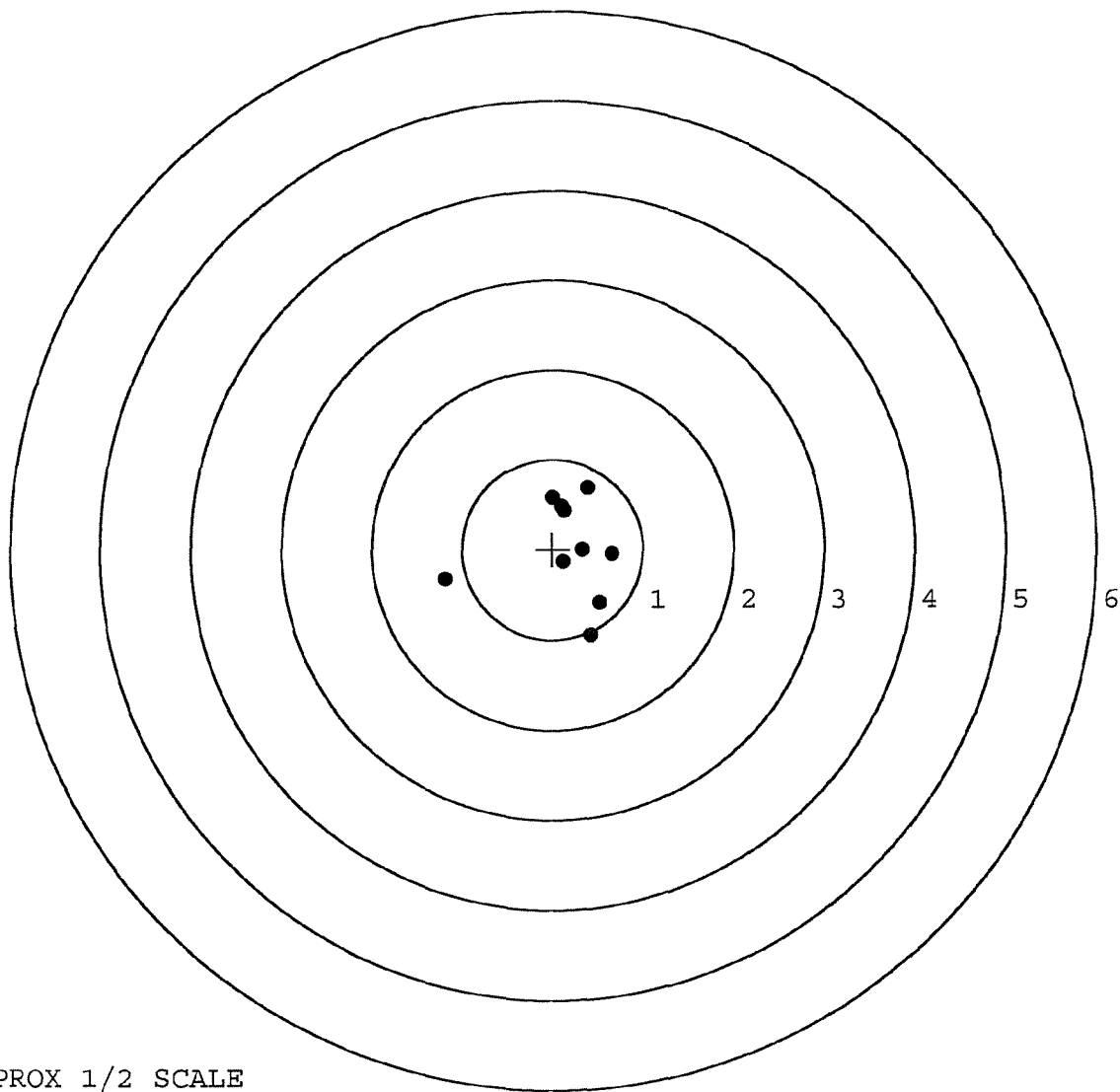
TARGET APPROX 1/2 SCALE

BARBER - M24 0010194

SERIAL NUMBER: C6225188. __0
 TARGET NUMBER: 3
 FILE DATE: 11/12/2003
 FILE TIME: 11:50

POINT#	X	Y
1:	-0.006	0.574
2:	0.128	0.430
3:	0.390	0.690
4:	0.664	-0.047
5:	0.526	-0.592
6:	0.429	-0.950
7:	0.332	-0.008
8:	0.124	-0.141
9:	-1.185	-0.344
10:	0.105	0.478

X CENTROID: 0.151
 Y CENTROID: 0.009
 POA TO CENTROID: 0.151
 HORZ SPREAD: 1.849
 VERT SPREAD: 1.640
 GROUP SPREAD: 1.884
 MIN RADIUS: 0.152
 MAX RADIUS: 1.382
 MEAN RADIUS: 0.614
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



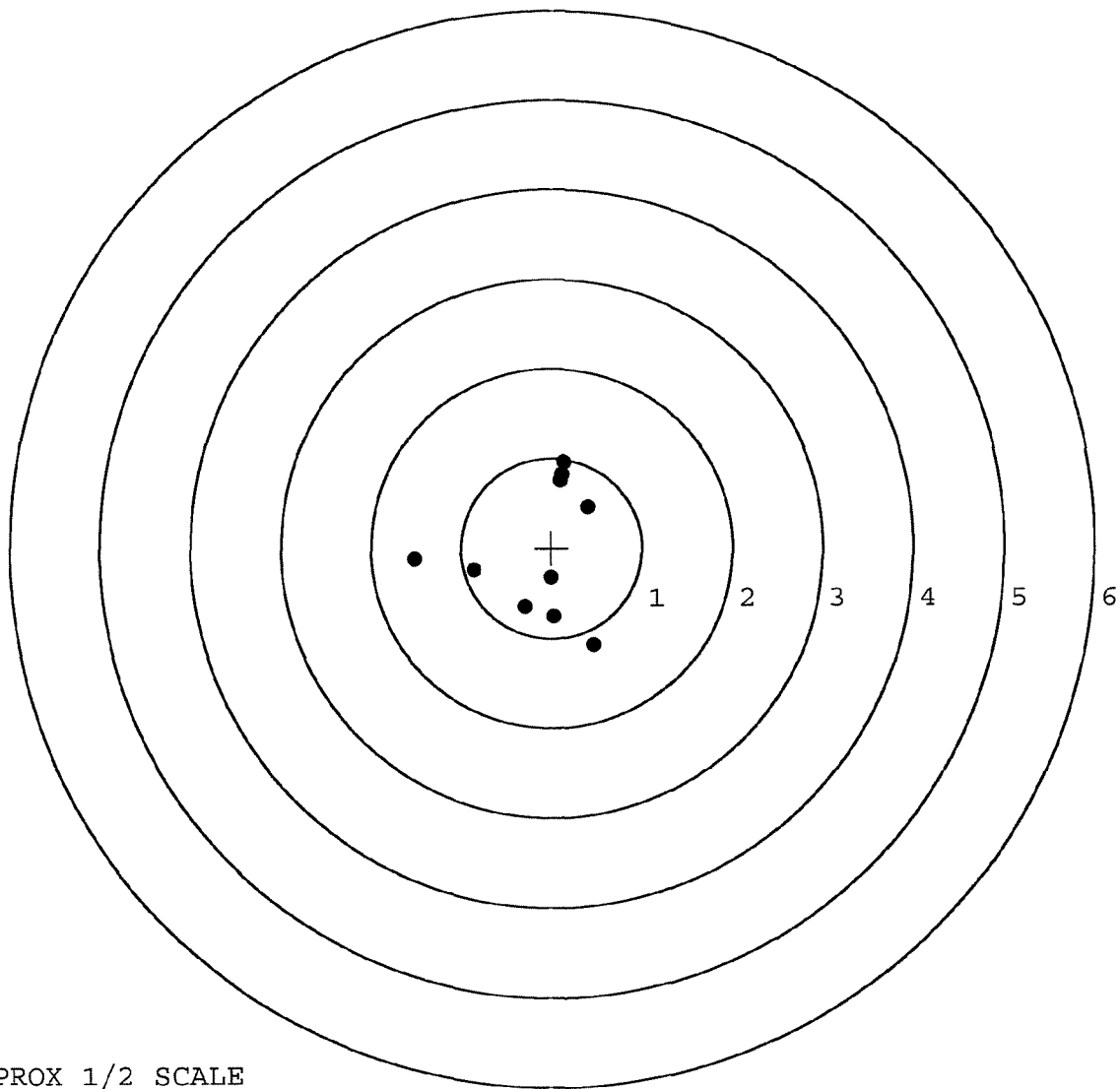
TARGET APPROX 1/2 SCALE

BARBER - M24 0010195

SERIAL NUMBER: C6225188. __0
 TARGET NUMBER: 4
 FILE DATE: 11/12/2003
 FILE TIME: 11:50

POINT#	X	Y
1:	0.140	0.958
2:	0.100	0.751
3:	0.405	0.454
4:	-0.858	-0.252
5:	-1.514	-0.139
6:	0.004	-0.331
7:	-0.293	-0.657
8:	0.031	-0.764
9:	0.471	-1.076
10:	0.123	0.823

X CENTROID: -0.139
 Y CENTROID: -0.023
 POA TO CENTROID: 0.141
 HORZ SPREAD: 1.985
 VERT SPREAD: 2.034
 GROUP SPREAD: 2.195
 MIN RADIUS: 0.339
 MAX RADIUS: 1.380
 MEAN RADIUS: 0.854
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



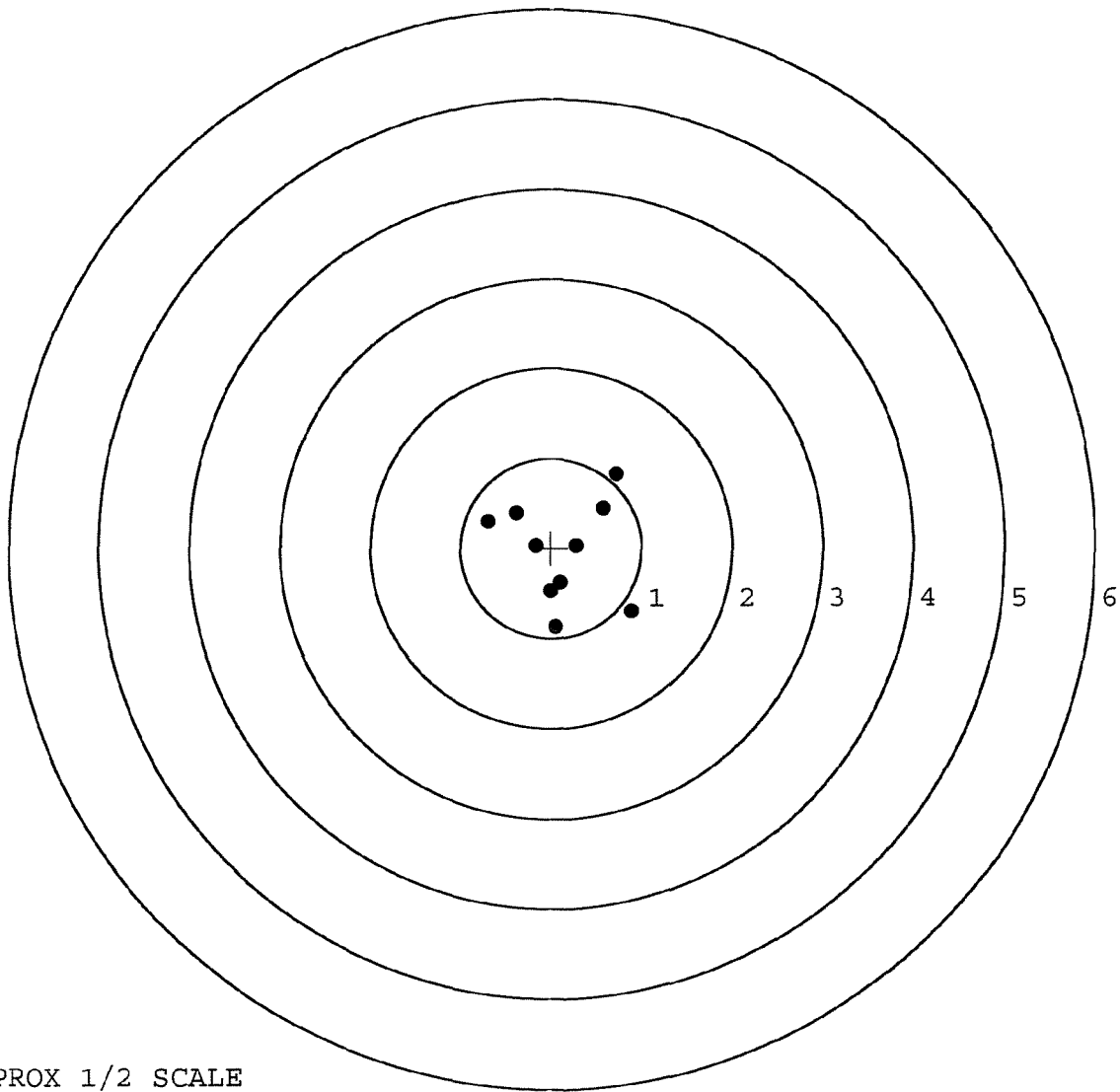
TARGET APPROX 1/2 SCALE

BARBER - M24 0010196

SERIAL NUMBER: C6225188. __0
 TARGET NUMBER: 5
 FILE DATE: 11/12/2003
 FILE TIME: 11:50

POINT#	X	Y
1:	0.723	0.829
2:	0.574	0.450
3:	-0.695	0.299
4:	-0.382	0.388
5:	-0.172	0.025
6:	0.278	0.033
7:	0.108	-0.390
8:	0.058	-0.884
9:	0.890	-0.700
10:	0.003	-0.480

X CENTROID: 0.139
 Y CENTROID: -0.043
 POA TO CENTROID: 0.145
 HORZ SPREAD: 1.585
 VERT SPREAD: 1.713
 GROUP SPREAD: 1.838
 MIN RADIUS: 0.159
 MAX RADIUS: 1.050
 MEAN RADIUS: 0.641
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	71769		
SERIAL NUMBER	C6225188		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-27-03	RTL
560 A	RE-BARREL	10-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-3-03	AC
605	CHECK HEADSPACE	11-3-03	AC
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11-5-03	AS
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TA
625 A	FINAL ASSEMBLY	11-11-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-12-03	AC
655	FINAL INSPECT	12-15-03	RTL
660	PACK	12/16/03	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL #

C6225188

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	4 4 89	RW
600	Proof		4 4 89	RW
607	Check Headspace		4 4 89	RW
610	Dis-assemble Gun		4 4 89	RW
612	Magnaflux Barrel Action		4-6 89	KCK
	Magnaflux Bolt		4-7 89	KCK
615	Rollmark Caliber		4-7 89	G.S.
617	Drill and Tap Sight Holes		4 7 89	FB
618	Polish Barrel		4 7 89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/89	RW
	C) Inspect Ejector Hole for Chamfer		4/19/89	RW
	D) Oil Firing Pin Ass'y		4/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/89	JU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	5	5			4/20/89	94
	G) Safety Off Force	4	4	4			4/20/89	94
	H) Trigger Pull Test & Retainability						4/20/89	LS
	I) Firing Pin Indent	.021	.020	.020			4/20/89	94
	J) Assemble Stock						4/25/89	RW
	K) Assemble Swivel Studs						27 April 89	LS
	L) Attach Front and Rear Sight Assemblies						4/25/89	RW
	M) Iron Sight Alignment						4/25/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/25/89	RW
	O) Attach Scope to Rifle						4/25/89	94
	P) Detach & Attach Scope 20 Times						4/26/89	94
640	Gallery Target & Test	63 R	90 L				4/27/89	A
	A) Time						4/27/89	A
	B) Malfunctions						4/27/89	A
	C) Pierced Primers						4/27/89	A
	D) Optical Clarity of Scope						4/27/89	A
645	Inspect for Live Ammo						4/27/89	A
655	Final Inspection							
	A) Headspace						27 April 89	LS
	B) Trigger Pull	2.14	2.06	2.13	2.12	2.19	27 April 89	LS
	C) Function						27 April 89	LS
660	Pack						27 June 89	LS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66225188

DATE 3-26-90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.46		2.51	MIN. SETTING,
PULL #2	2.47	2.50		2.38	NO AVG. OF 5
PULL #3	2.45	2.44		2.47	READINGS ACCEPT-
PULL #4	2.50	2.40		2.55	ABLE LESS THAN 2#
PULL #5	2.49	2.50		2.49	
TOTAL	12.48	12.30		12.40	
AVG.	2.496	2.46		2.48	

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	3.50	3.51			
PULL #2	3.42	3.53			
PULL #3	3.40	3.55			
PULL #4	3.35	3.43			
PULL #5	3.40	3.50			
TOTAL	17.07	17.52			
AVG.	3.414	3.504			

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.53		
PULL #2	4.42	4.49		
PULL #3	4.50	4.42		
PULL #4	3.48	4.45		
PULL #5	4.47	4.46		
TOTAL	21.22	22.35		
AVG.	4.244	4.47		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225188
28 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.48348
1 TO	2	.493718
1 TO	3	.339666
1 TO	4	.889946
1 TO	5	.655372

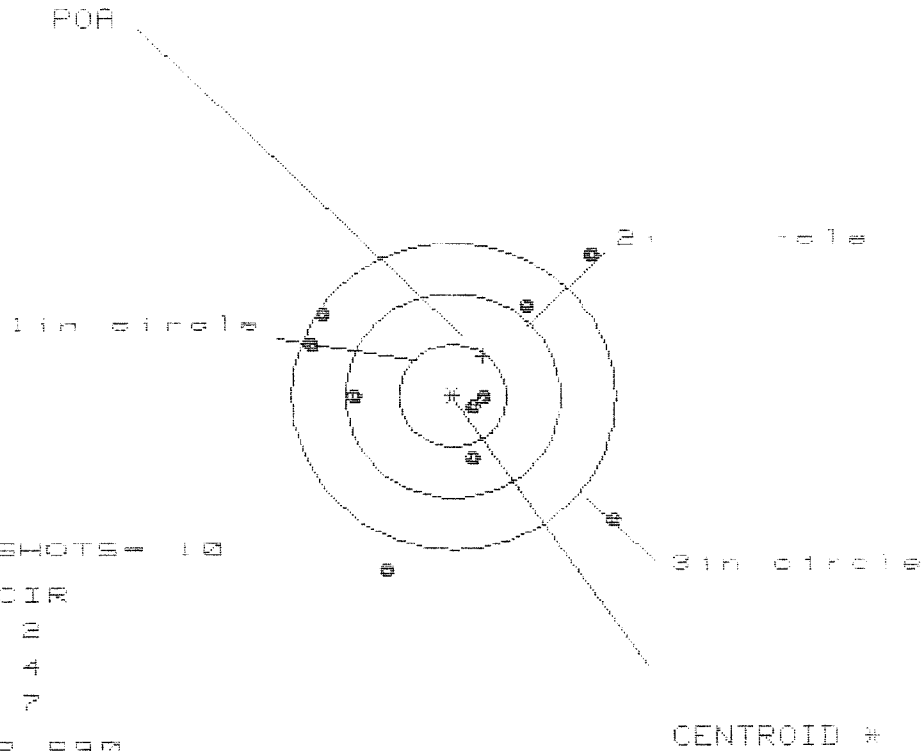
+⁴₅ <----POB
1₂

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .113
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .34314
THE AMR FOR THIS RIFLE IS: .9618

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B8

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 2.890

VS = 3.046

GS = 3.611

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.529	1.462	1.028
MINIMUM X	-1.361	-1.191	-1.008
MAXIMUM Y	1.366	1.233	.957
MINIMUM Y	-1.680	-1.813	-1.659
CENTROID X	-.283	-.453	-.636
CENTROID Y	-.392	-.259	-.413
POA TO CENTROID in.	.484	.522	.758
MIN RADIUS	.206	.422	.523
MEAN RADIUS	1.155	1.082	.970
MAX RADIUS	1.943	1.912	1.685
HORIZONTAL SPREAD	2.890	2.653	2.036
VERTICAL SPREAD	3.046	3.046	2.616
EXTREME SPREAD	3.611	3.611	2.931
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225188

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 0

3 in = 0

H0 = 1.0007

V0 = 0.484

G0 = 0.793

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.808	.874	.742
MINIMUM X	-1.119	-1.053	-.959
MAXIMUM Y	.924	.750	.810
MINIMUM Y	-1.560	-.677	-.617
CENTROID X	.090	.032	.164
CENTROID Y	-.706	-.532	-.592
POA TO CENTROID in.	.713	.533	.614
MIN RADIUS	.250	.435	.339
MEAN RADIUS	.863	.777	.700
MAX RADIUS	1.668	1.156	1.111
HORIZONTAL SPREAD	1.927	1.927	1.701
VERTICAL SPREAD	2.484	1.427	1.427
EXTREME SPREAD	2.793	1.988	1.806
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	9	

27 Apr 1989

FILE://PATTERNING/CENTERFIRE_PATT/06225188

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HM = 1.140

VM = 0.400

OM = 0.400

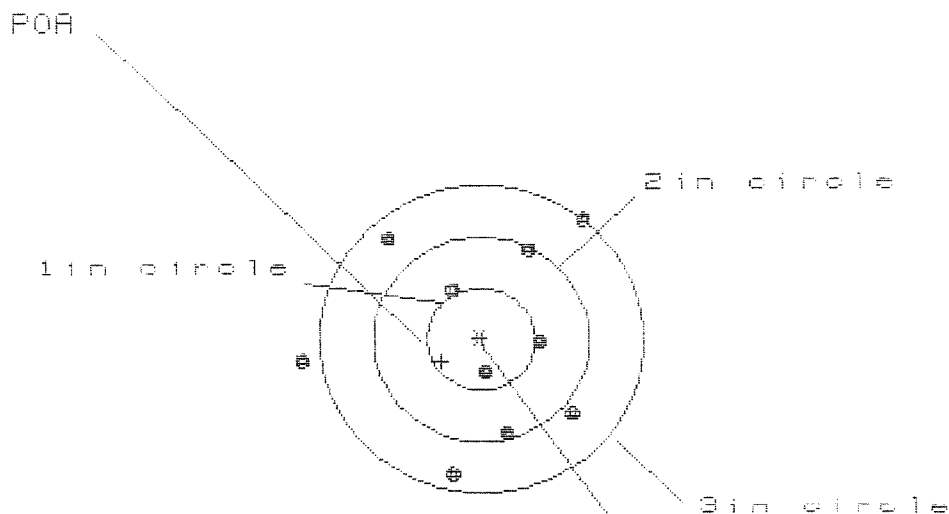
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.722	.773	.533
MINIMUM X	-.623	-.572	-.475
MAXIMUM Y	1.112	.966	.890
MINIMUM Y	-1.313	-.922	-.801
CENTROID X	.034	-.017	-.114
CENTROID Y	-.514	-.368	-.489
POA TO CENTROID in.	.515	.368	.502
MIN RADIUS	.207	.177	.117
MEAN RADIUS	.670	.588	.496
MAX RADIUS	1.393	1.237	.932
HORIZONTAL SPREAD	1.345	1.345	1.008
VERTICAL SPREAD	2.425	1.888	1.691
EXTREME SPREAD	2.439	2.318	1.706
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/062251B8

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.633

VS = 2.461

GS = 2.985

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	.786	.748
MINIMUM X	:	-1.662	-1.070	-.971
MAXIMUM Y	:	1.144	1.115	1.062
MINIMUM Y	:	-1.317	-1.346	-1.206
CENTROID X	:	.365	.550	.451
CENTROID Y	:	.218	.247	.108
POA TO CENTROID in.	:	.425	.602	.464
MIN RADIUS	:	.301	.355	.192
MEAN RADIUS	:	1.033	.930	.870
MAX RADIUS	:	1.683	1.432	1.439
HORIZONTAL SPREAD	:	2.633	1.856	1.719
VERTICAL SPREAD	:	2.461	2.461	2.268
EXTREME SPREAD	:	2.985	2.772	2.425
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B8

CENTERFIRE PATTERNS

5

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

IS = 2.248

VS = 3.386

GS = 3.467

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.991	.952	.996
MINIMUM X	-1.357	-1.396	-1.352
MAXIMUM Y	1.474	1.262	1.324
MINIMUM Y	-1.912	-.961	-.804
CENTROID X	.351	.390	.346
CENTROID Y	-.226	-.014	-.171
POR TO CENTROID in.	.417	.390	.386
MIN RADIUS	.391	.583	.429
MEAN RADIUS	1.088	.999	.931
MAX RADIUS	1.945	1.404	1.352
HORIZONTAL SPREAD	2.348	2.348	2.348
VERTICAL SPREAD	3.386	2.223	2.128
EXTREME SPREAD	3.467	2.358	2.358
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225188
13 Jun 1989

INTERCHANGEABILITY

CENTROIDAL DISTANCES

0 TO	1	.236381
1 TO	2	.33986
1 TO	3	.467642
1 TO	4	.337748
1 TO	5	.257681

14
523

<----POA

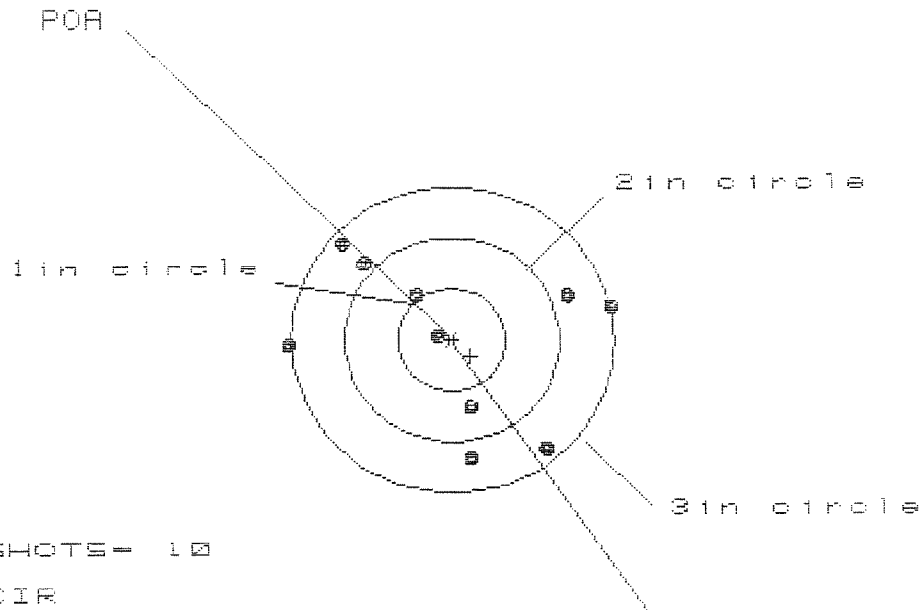
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0328
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0118
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .034858

THE AMR FOR THIS RIFLE IS: 1.019

9 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225168.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 3.017

VS= 2.122

GS= 3.046

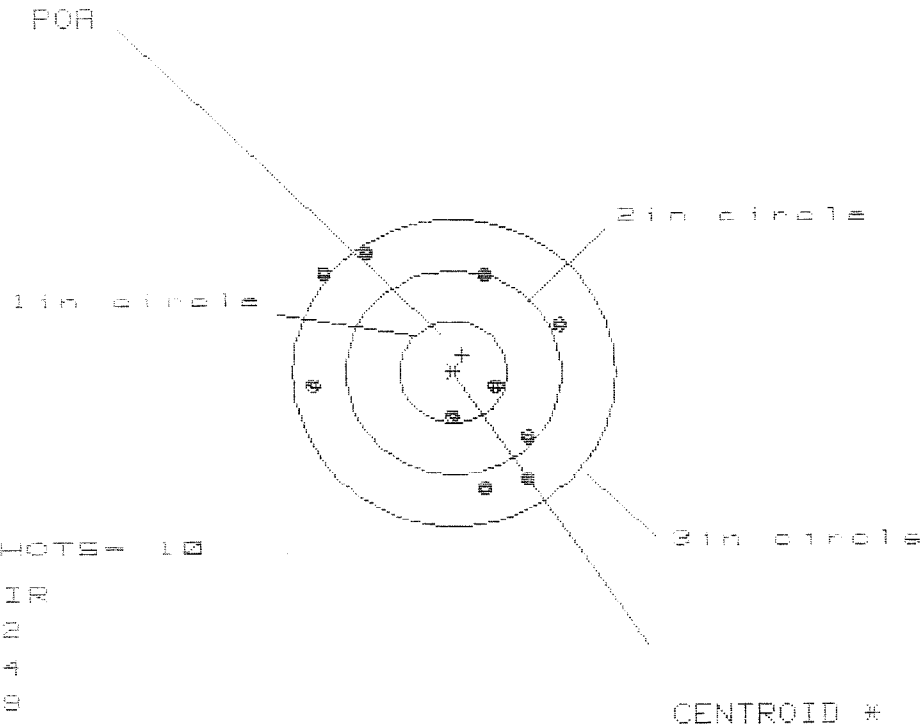
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.495	1.217	1.047
MINIMUM X	:	-1.522	-1.356	-1.010
MAXIMUM Y	:	.949	.989	.987
MINIMUM Y	:	-1.173	-1.133	-1.135
CENTROID X	:	-.174	-.340	-.170
CENTROID Y	:	.160	.120	.122
POA TO CENTROID in.	:	.236	.360	.269
MIN RADIUS	:	.109	.115	.134
MEAN RADIUS	:	1.062	.997	.947
MAX RADIUS	:	1.537	1.475	1.412
HORIZONTAL SPREAD	:	3.017	2.573	2.057
VERTICAL SPREAD	:	2.122	2.122	2.122
EXTREME SPREAD	:	3.046	2.771	2.771
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

9 Jun 1983

FILE:/PATTERNING/CENTERFIRE_PATT/082251B8.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.380

VS= 2.207

GS= 2.715

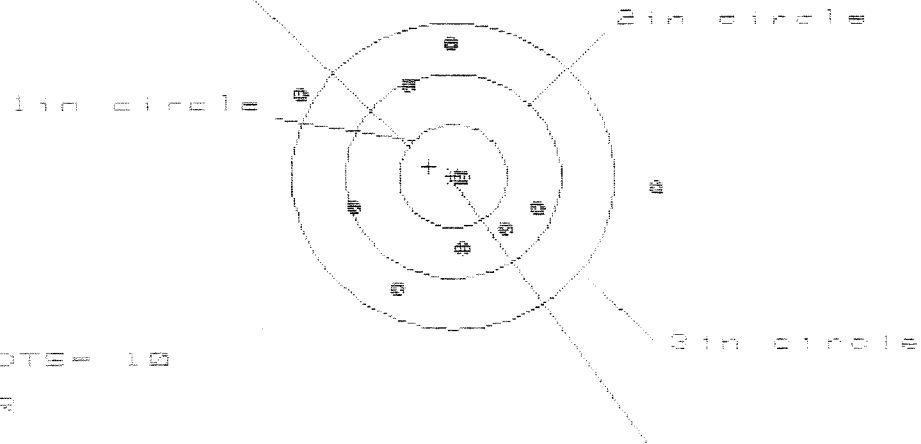
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.033	.901	.787
MINIMUM X	:	-1.317	-1.449	-1.563
MAXIMUM Y	:	1.124	1.228	1.188
MINIMUM Y	:	-1.083	-.979	-.826
CENTROID X	:	-.085	.047	.161
CENTROID Y	:	-.168	-.272	-.425
POR TO CENTROID in.	:	.189	.276	.455
MIN RADIUS	:	.365	.212	.163
MEAN RADIUS	:	1.049	.957	.841
MAX RADIUS	:	1.509	1.527	1.570
HORIZONTAL SPREAD	:	2.350	2.350	2.350
VERTICAL SPREAD	:	2.207	2.207	2.014
EXTREME SPREAD	:	2.715	2.617	2.430
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CS2251B8.1

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

IS = 3.316

VS = 2.344

GS = 3.442

CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.917	.996	.847
MINIMUM X	-1.399	-1.196	-.886
MAXIMUM Y	1.250	1.238	1.339
MINIMUM Y	-1.095	-1.106	-1.006
CENTROID X	.218	.005	.153
CENTROID Y	-.095	-.083	-.184
FOR TO CENTROID in.	.238	.083	.239
MIN RADIUS	.071	.283	.151
MEAN RADIUS	1.030	.945	.843
MAX RADIUS	1.920	1.434	1.339
HORIZONTAL SPREAD	3.316	2.182	1.734
VERTICAL SPREAD	2.344	2.344	2.344
EXTREME SPREAD	3.442	2.475	2.400
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

9 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225188.1

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 3

3in = 8

HS = 1.973

VS = 2.985

GS = 2.985

PATTERN #

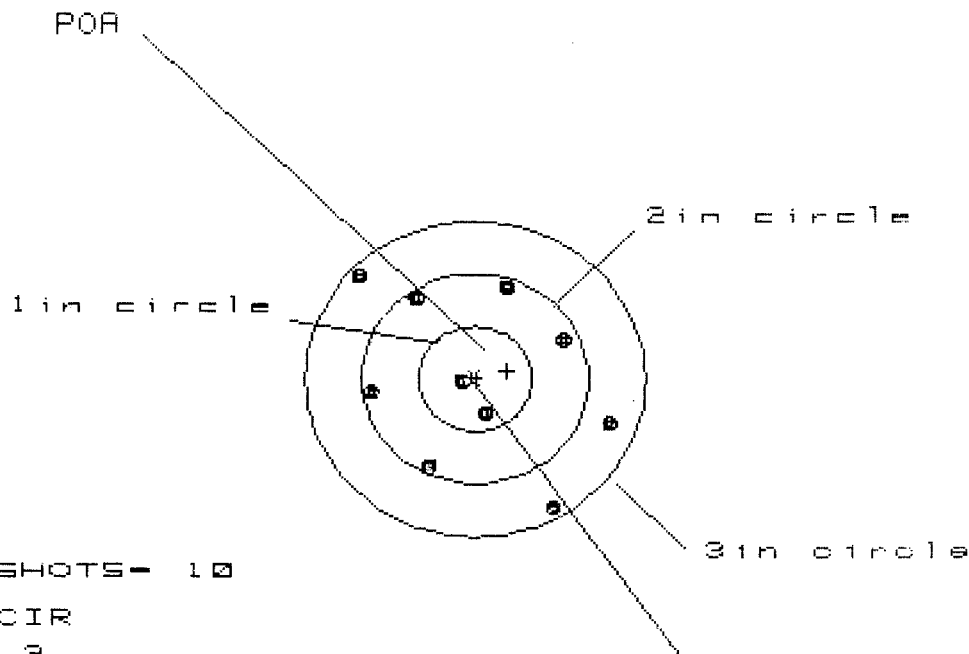
4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.985	.966	.841
MINIMUM X	:	-.968	-1.007	-.852
MAXIMUM Y	:	1.235	1.029	1.124
MINIMUM Y	:	-1.760	-1.389	-1.294
CENTROID X	:	.161	.200	.325
CENTROID Y	:	.117	.313	.218
POA TO CENTROID in.	:	.199	.371	.392
MIN RADIUS	:	.398	.237	.391
MEAN RADIUS	:	1.038	.929	.870
MAX RADIUS	:	1.793	1.409	1.344
HORIZONTAL SPREAD	:	1.973	1.973	1.693
VERTICAL SPREAD	:	2.985	2.418	2.418
EXTREME SPREAD	:	2.985	2.421	2.421
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225188.1

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.285

VS = 2.164

GS = 2.772

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.220	1.102	1.171
MINIMUM X	:	-1.065	-1.077	-1.008
MAXIMUM Y	:	.987	.937	.803
MINIMUM Y	:	-1.177	-1.067	-.864
CENTROID X	:	-.284	-.166	-.235
CENTROID Y	:	-.073	-.183	-.049
POA TO CENTROID in.	:	.294	.247	.240
MIN RADIUS	:	.135	.250	.190
MEAN RADIUS	:	.922	.859	.807
MAX RADIUS	:	1.452	1.201	1.238
HORIZONTAL SPREAD	:	2.285	2.179	2.179
VERTICAL SPREAD	:	2.164	2.004	1.667
EXTREME SPREAD	:	2.772	2.321	2.192
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 96-09650

INITIAL
JUM

M-24 SNIPER

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

ACCESSORIES

W/STUDS

SCOPE BASE

700 7.62

NATO

FROM:

SHIP TO:

COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

COMMANDER
B CO 1ST SPECIAL FORCES
COMMAND 3RD BN - BOX 339502
FT LEWIS WA 98433

CUST NO: 141138 C.O.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

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 - 96003

Repowder Coat Trigger Guard
Assy. Front & Rear Sight Bases
Re-Zinc Scope Base & Swivel
Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 00400910252

Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225188

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/15/96	Rw
600	Proof		4/15/96	Rw
607	Check Headspace		4/15/96	Rw
610	Dis-assemble Gun		4/15/96	Rw
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		4/24/96	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/96	Rw
	C) Inspect Ejector Hole for Chamfer		4/24/96	Rw
	D) Oil Firing Pin Ass'y		4/24/96	Rw
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock			
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640	Gallery Target & Test		4/24/96	RW
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		4/24/96	RW
655	Final Inspection			
	A) Headspace		4/25/96	RW
	B) Trigger Pull		4/25/96	RW
	C) Function		4/25/96	RW
660	Pack			

Final Inspection

Sn: C6225188

DATE REC'D: 4/8/96

DATE RET'D:

AUDITOR: *AM*

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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225188
22 Feb 1988

CENTROIDAL DISTANCES

0 TO	1	.471685
1 TO	2	.499329
1 TO	3	.254332
1 TO	4	.498415
1 TO	5	.152882

8 1
+ - - - - FOR
2 1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4284
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3402
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .545484
THE AMR FOR THIS RIFLE IS: .9858

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08625188

CENTERFIRE PATTERNS

1

POB

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.642

VS = 2.796

GS = 3.559

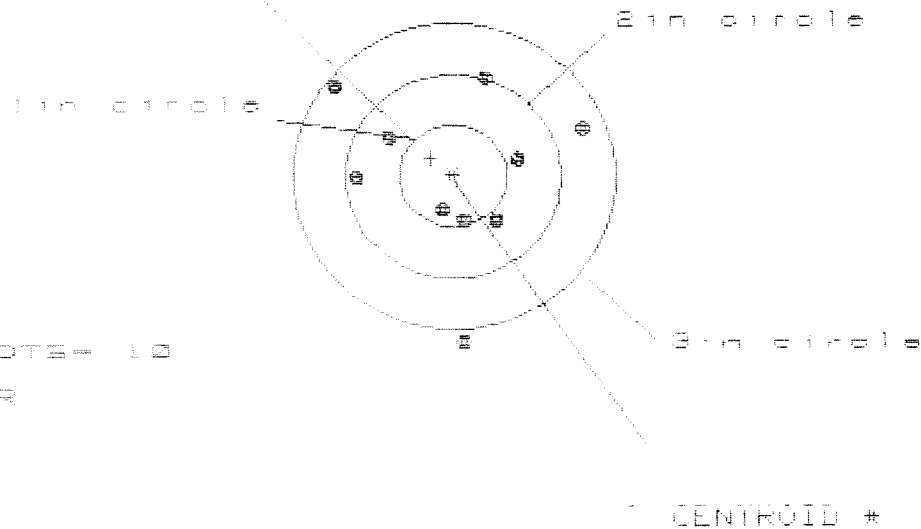
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.336	1.191	.904
MINIMUM X	-1.306	-1.017	-.868
MAXIMUM Y	1.396	1.240	1.343
MINIMUM Y	-1.400	-1.040	-.936
CENTROID X	.364	.509	.360
CENTROID Y	.300	.456	.352
POB TO CENTROID in.	.472	.683	.504
MIN RADIUS	.086	.157	.104
MEAN RADIUS	1.046	.955	.865
MAX RADIUS	1.915	1.454	1.390
HORIZONTAL SPREAD	2.642	2.200	1.772
VERTICAL SPREAD	2.796	2.280	2.280
EXTREME SPREAD	3.559	2.892	2.666
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06625188

CENTERFIRE PATTERNS # 2

POB



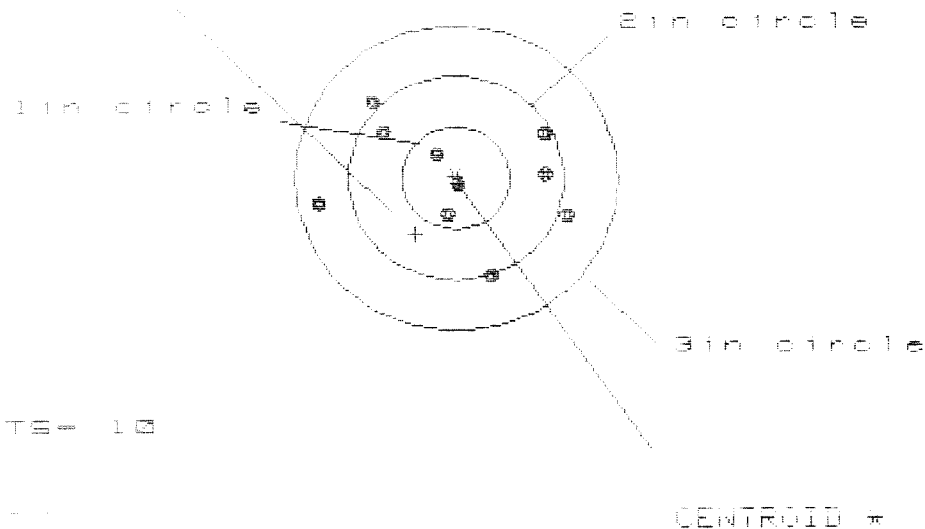
PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.172	1.182	1.049
MINIMUM X	-1.070	-1.060	-0.989
MAXIMUM Y	1.022	.845	.927
MINIMUM Y	-1.591	-.637	-.555
CENTROID X	.204	.194	.327
CENTROID Y	-.173	.004	-.078
POB TO CENTROID in.	.268	.194	.336
MIN RADIUS	.370	.534	.511
MEAN RADIUS	.886	.817	.742
MAX RADIUS	1.534	1.245	1.100
HORIZONTAL SPREAD	2.242	2.242	2.038
VERTICAL SPREAD	2.613	1.492	1.482
EXTREME SPREAD	2.691	2.278	2.078
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	0	0	0

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06625188

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.325

VS= 1.775

GS= 2.329

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.064	.924	.805
MINIMUM X	-1.261	-.879	-.763
MAXIMUM Y	.787	.760	.711
MINIMUM Y	-.988	-1.015	-1.065
CENTROID X	.377	.517	.481
CENTROID Y	.554	.581	.630
POA TO CENTROID in.	.670	.778	.747
MIN RADIUS	.035	.171	.113
MEAN RADIUS	.775	.729	.674
MAX RADIUS	1.283	1.162	1.095
HORIZONTAL SPREAD	2.325	1.803	1.568
VERTICAL SPREAD	1.775	1.775	1.775
EXTREME SPREAD	2.329	2.142	2.046
NUMBER IN ONE INCH CIRCLE =	3	4	4
NUMBER IN TWO INCH CIRCLE =	6	7	6
NUMBER IN THREE INCH CIRCLE =	10	9	8

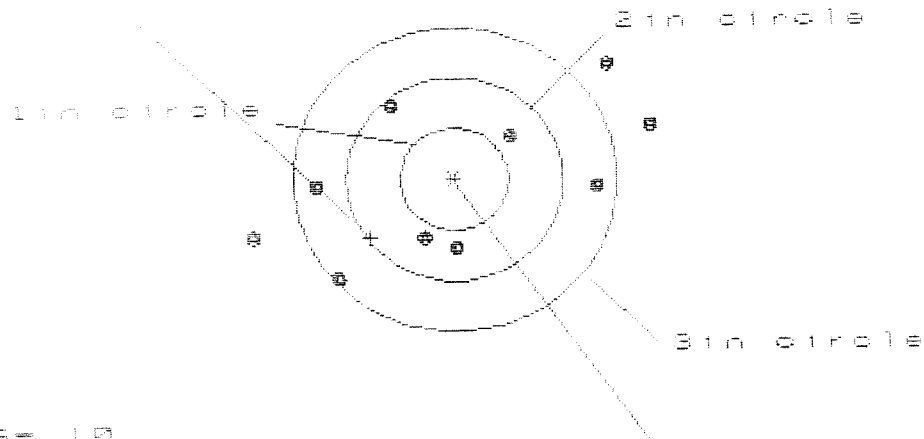
22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8625188

CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS = 3.867

VS = 2.103

GS = 3.824

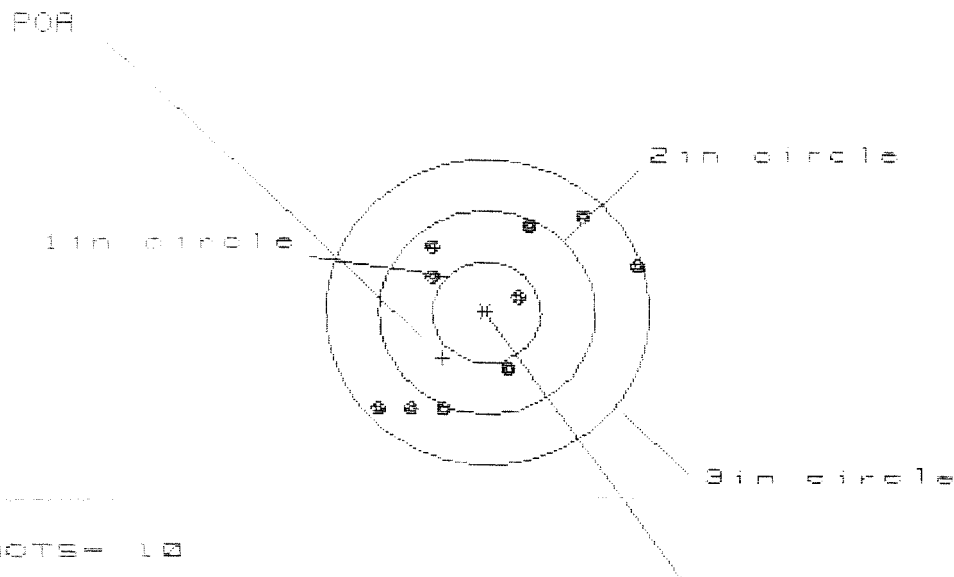
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.819	1.613	1.441
MINIMUM X	-1.849	-1.510	-1.308
MAXIMUM Y	1.165	1.104	1.163
MINIMUM Y	-1.938	-1.999	-1.940
CENTROID X	.781	.987	.785
CENTROID Y	.573	.634	.575
POA TO CENTROID in.	.969	1.173	.974
MIN RADIUS	.685	.499	.509
MEAN RADIUS	1.253	1.174	1.088
MAX RADIUS	1.929	1.681	1.851
HORIZONTAL SPREAD	3.667	3.123	2.749
VERTICAL SPREAD	2.103	2.103	2.103
EXTREME SPREAD	3.824	3.258	3.258
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE			
NUMBER IN THREE INCH CIRCLE			

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C66251B8

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.377

VS= 1.961

GS= 2.747

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.348	1.045	.935
MINIMUM X	-1.029	-.879	-.651
MAXIMUM Y	.966	1.012	.899
MINIMUM Y	-.996	-.949	-1.062
CENTROID X	.406	.256	.366
CENTROID Y	.447	.401	.514
POA TO CENTROID in.	.604	.476	.632
MIN RADIUS	.362	.517	.374
MEAN RADIUS	.969	.915	.854
MAX RADIUS	1.412	1.455	1.297
HORIZONTAL SPREAD	2.377	1.924	1.586
VERTICAL SPREAD	1.961	1.961	1.961
EXTREME SPREAD	2.747	1.719	2.467
NUMBER IN ONE INCH CIRCLE	1	1	1
NUMBER IN TWO INCH CIRCLE	5	5	5
NUMBER IN THREE INCH CIRCLE	10	10	10