

C6611693

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

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

MODEL 700TM M24

SERIAL NO.
C6611693

ORDER NO.
5716

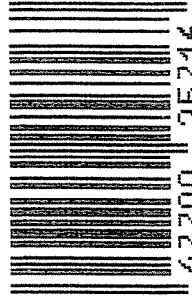
46

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



5716 C6611693

UPC



0 47700 25716 7

Repair Inquiry

Repair Number: RE00099828

Serial: C6611693 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 8/17/2005 7:57:28 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: J BROTHMARKLE / D BISHOP

J BROTHMARKLE / D BISHOP

Address 1: 2ND BN MECH 112TH INF HHC

2ND BN MECH 112TH INF HHC

Address 2: 28 ARMORY LANE

PO Box:

28 ARMORY LANE

PO Box:

City: LEWISTOWN

LEWISTOWN

State: PA

Zip Code: 17044

Country: US

State: PA

Zip Code: 17044

Country: US

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 717 240 5842

Fax:

Email:

Comments:

Received Condition

Fair

Condition:
Notes:CSR:
Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A009	Soft Case	1
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	2
X001	Scope Case	1

Repair Search

Refresh

Close

naglej

8/17/2005

8:20 AM

CARS

NUM

JNS

SCPL

start

3

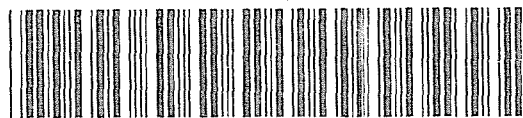
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4

Serial Number:

C6611693

Model: M24 SWS



RE00099828

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611693.___0
FILE DATE AND TIME: 09/16/2005 09:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	-0.072
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	0.916
The Distance from POA to Centroid Target #1:	0.117
The Distance from Centroid Target #2 to Centroid Target #1:	0.427
The Distance from Centroid Target #3 to Centroid Target #1:	0.297
The Distance from Centroid Target #4 to Centroid Target #1:	0.047
The Distance from Centroid Target #5 to Centroid Target #1:	0.356

SERIAL NUMBER: C6611693. __0

TARGET NUMBER: 1

FILE DATE: 09/16/2005

FILE TIME: 09:51

X CENTROID: -0.085

Y CENTROID: 0.080

POA TO CENTROID: 0.117

HORZ SPREAD: 2.054

VERT SPREAD: 2.694

GROUP SPREAD: 3.325

MIN RADIUS: 0.374

MAX RADIUS: 1.946

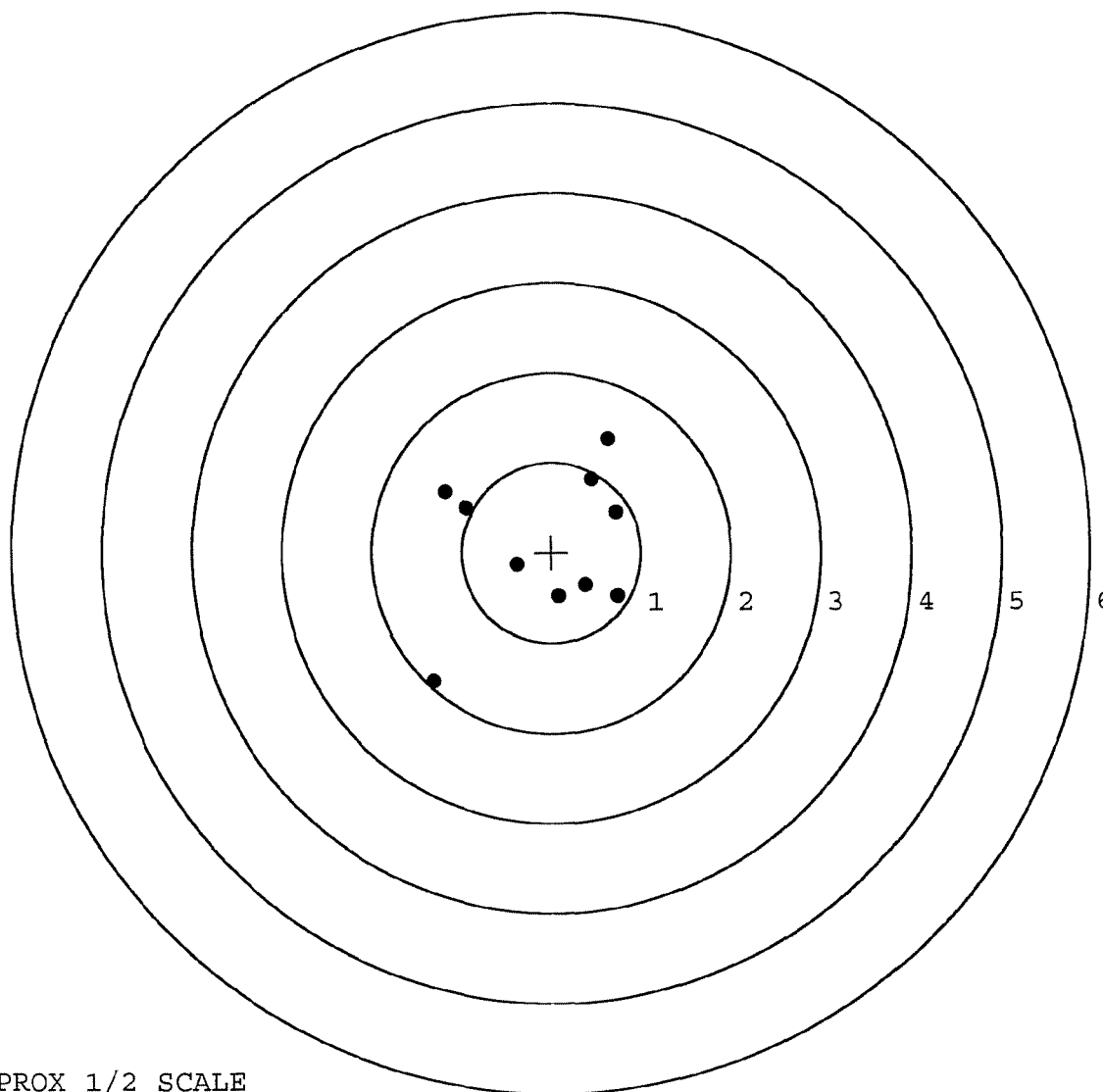
MEAN RADIUS: 0.994

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.634	1.265
2:	0.448	0.818
3:	0.715	0.447
4:	0.379	-0.361
5:	0.740	-0.481
6:	0.075	-0.490
7:	-0.391	-0.136
8:	-0.959	0.500
9:	-1.180	0.667
10:	-1.314	-1.429

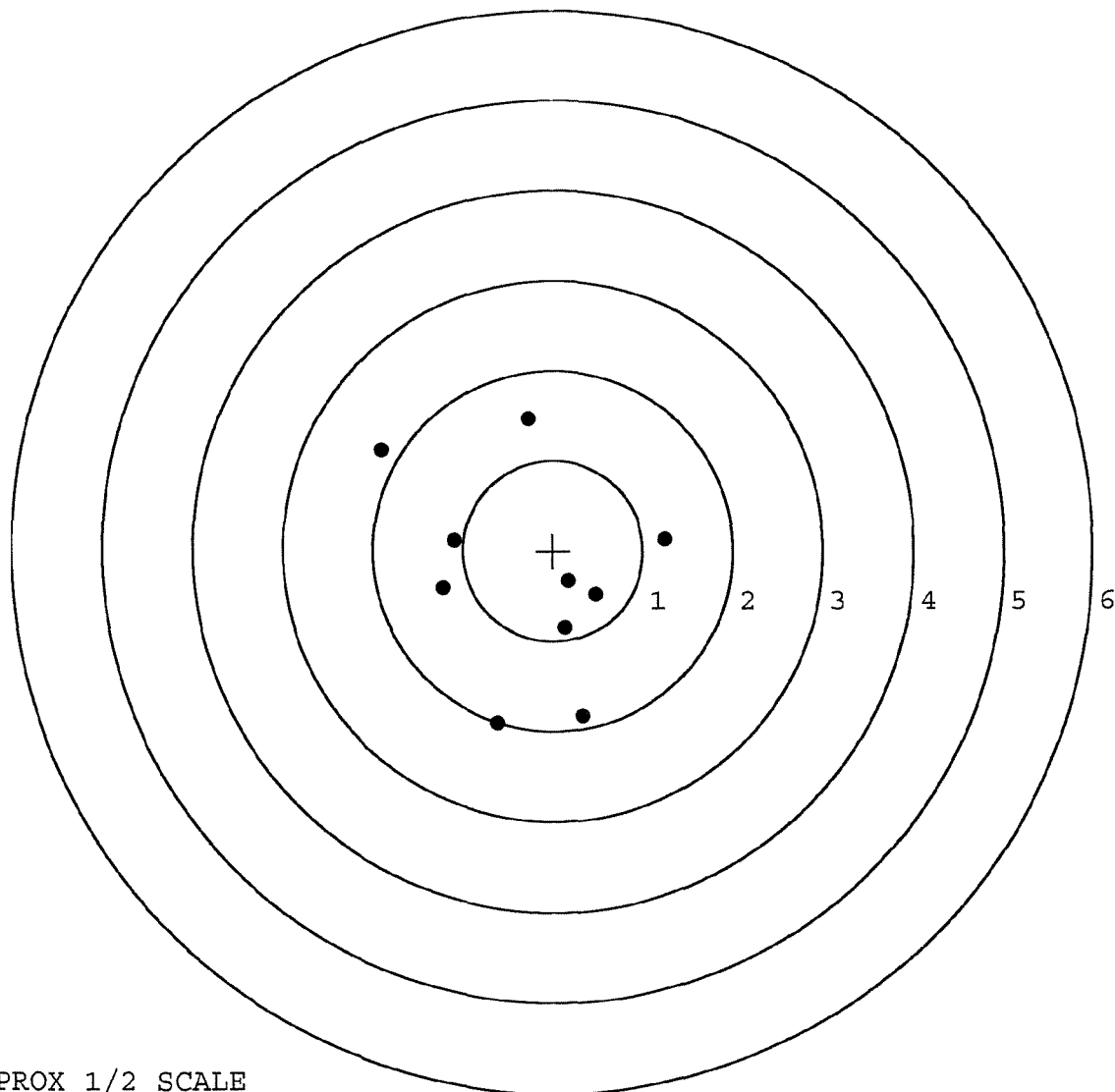


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611693. __0
 TARGET NUMBER: 2
 FILE DATE: 09/16/2005
 FILE TIME: 09:51

POINT#	X	Y
1:	1.250	0.125
2:	0.167	-0.334
3:	0.479	-0.483
4:	0.132	-0.858
5:	0.328	-1.834
6:	-0.624	-1.917
7:	-1.223	-0.415
8:	-1.095	0.111
9:	-1.903	1.120
10:	-0.273	1.462

X CENTROID: -0.276
 Y CENTROID: -0.302
 POA TO CENTROID: 0.409
 HORZ SPREAD: 3.153
 VERT SPREAD: 3.379
 GROUP SPREAD: 3.702
 MIN RADIUS: 0.444
 MAX RADIUS: 2.161
 MEAN RADIUS: 1.259
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 5



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611693. __0

TARGET NUMBER: 3

FILE DATE: 09/16/2005

FILE TIME: 09:51

POINT#	X	Y
1:	0.150	0.903
2:	0.529	0.454
3:	0.991	0.266
4:	0.415	0.043
5:	0.343	-0.063
6:	-0.139	-0.377
7:	-0.200	-0.680
8:	0.227	-0.715
9:	-0.889	-0.213
10:	0.407	-0.072

X CENTROID: 0.183

Y CENTROID: -0.045

POA TO CENTROID: 0.189

HORZ SPREAD: 1.880

VERT SPREAD: 1.618

GROUP SPREAD: 1.940

MIN RADIUS: 0.161

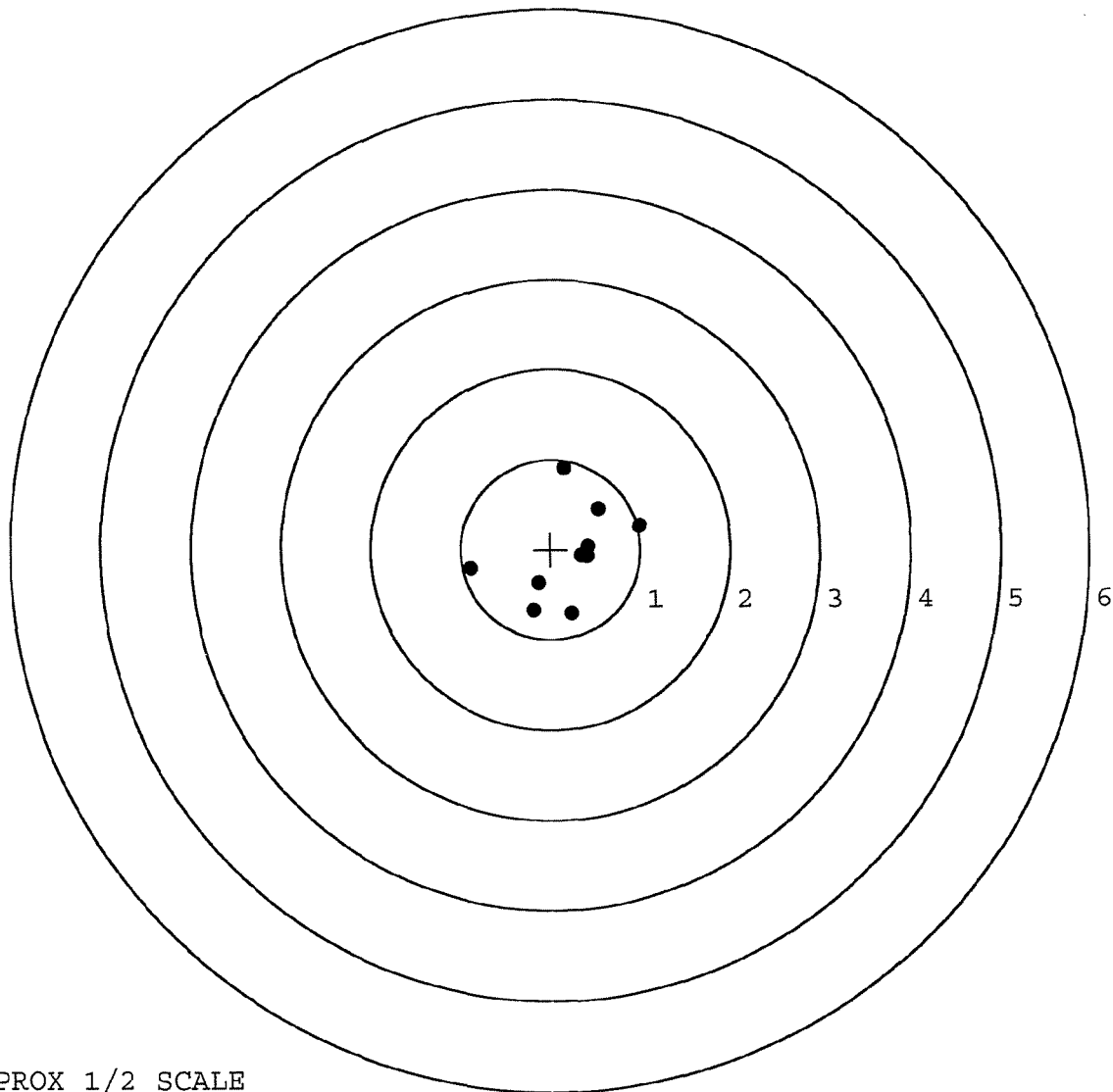
MAX RADIUS: 1.085

MEAN RADIUS: 0.602

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611693. 0

TARGET NUMBER: 4

FILE DATE: 09/16/2005

FILE TIME: 09:51

X CENTROID: -0.038

Y CENTROID: 0.074

POA TO CENTROID: 0.084

HORZ SPREAD: 1.733

VERT SPREAD: 2.440

GROUP SPREAD: 2.486

MIN RADIUS: 0.109

MAX RADIUS: 1.498

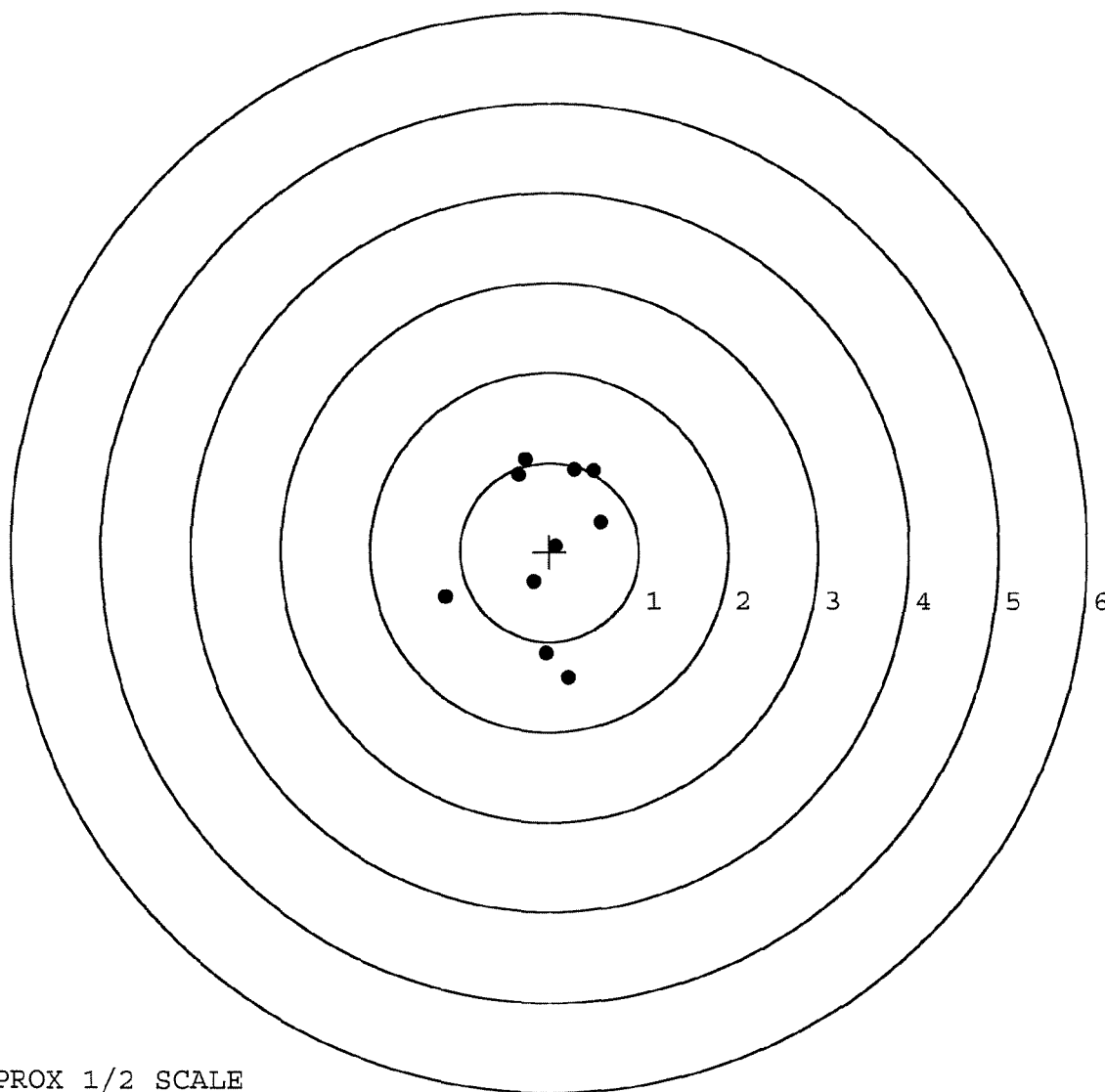
MEAN RADIUS: 0.892

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.499	0.907
2:	0.275	0.922
3:	-0.269	1.037
4:	-0.352	0.865
5:	0.572	0.330
6:	-0.186	-0.336
7:	-1.161	-0.508
8:	-0.042	-1.136
9:	0.209	-1.403
10:	0.070	0.063



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611693. __0

TARGET NUMBER: 5

FILE DATE: 09/16/2005

FILE TIME: 09:51

X CENTROID: 0.170

Y CENTROID: -0.168

POA TO CENTROID: 0.239

HORZ SPREAD: 2.175

VERT SPREAD: 2.831

GROUP SPREAD: 2.879

MIN RADIUS: 0.150

MAX RADIUS: 1.855

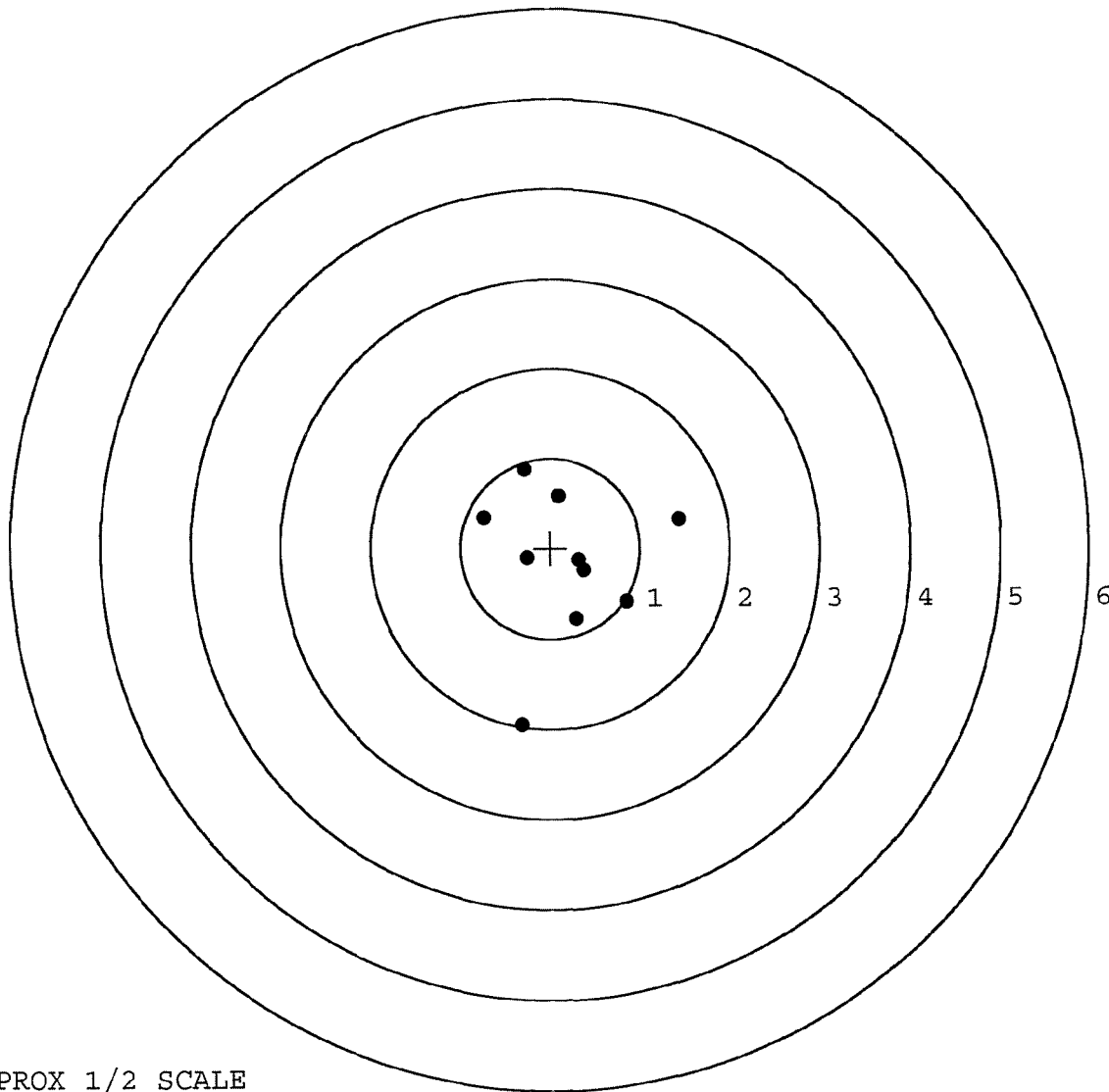
MEAN RADIUS: 0.836

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.292	0.876
2:	0.093	0.579
3:	-0.745	0.344
4:	-0.262	-0.108
5:	1.430	0.324
6:	0.315	-0.132
7:	0.840	-0.592
8:	0.280	-0.777
9:	-0.329	-1.955
10:	0.367	-0.242



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE

8-24-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.71	2.58		2.66	
PULL #2	2.63	2.58		2.66	
PULL #3	2.61	2.58		2.69	
PULL #4	2.67	2.56		2.60	
PULL #5	2.69	2.50		2.63	
TOTAL	13.31	12.80		13.24	
AVERAGE	2.66	2.56		2.64	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.34		
PULL #2	3.39	3.27		
PULL #3	3.39	3.35		
PULL #4	3.34	3.32		
PULL #5	3.31	3.37		
TOTAL	16.88	16.65		
AVERAGE	3.37	3.33		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.23	4.48		4.32
PULL #2	4.34	4.49		4.26
PULL #3	4.37	4.31		4.31
PULL #4	4.22	4.36		4.33
PULL #5	4.01	4.45		4.38
TOTAL	21.17	22.09		21.60
AVERAGE	4.23	4.41		4.32

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	99828		
SERIAL NUMBER	C6611693		
LOG-IN DATE	8-17-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-25-05	RTL
560 A	RE-BARREL	8-29-05	RTL
B	DRILL AND TAP	8-30-05	TRW
575	ASSEMBLE	8-30-05	RTL
600	PROOF	8-29-05	TRW
605	CHECK HEADSPACE	8-29-05	RTL
610	DIS-ASSEMBLE GUN	8-30-05	RTL
612	MAGNAFLUX	8-30-05	CW
615	ROLLMARK CALIBER	8-30-05	CB
618	ROTO-BLAST	9-10-05	ur
620	APPLY COATINGS	9-14-05	RTL
625 A	FINAL ASSEMBLY	9-22-05	AC
B	TRIGGER PULL TEST	9-22-05	AC
C	SAFETY "ON" FORCE	9-22-05	AC
D	SAFETY "OFF" FORCE	9-22-05	AC
E	FIRING PIN INDENT	9-16-05	AC
640	TARGET	9-22-05	AC
655	FINAL INSPECT	9-22-05	DA
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611693

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	91	RW
600	Proof	3 28	91	RW
607	Check Headspace	3 28	91	RW
610	Dis-assemble Gun	3 28	91	RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	U
615	Rollmark Caliber	APR	2 1991	GL
617	Drill and Tap Sight Holes	APR	5 1991	LB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/91	JA

op. #	NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	5	5	5		4/18/91	JK
	G) Safety Off Force	4	4	4		4/18/91	JK
	H) Trigger Pull Test & Retainability					4/18/91	JK
	I) Firing Pin Indent	.0225	.0225	.0225		4/18/91	JK
	J) Assemble Stock					4/19/91	RW
	K) Assemble Swivel Studs					4/23/91	JK
	L) Attach Front and Rear Sight Assemblies					4/19/91	RW
	M) Iron Sight Alignment					4/19/91	RW
	N) Detach Front & Rear Sights & place in numbered container					4/19/91	RW
	O) Attach Scope to Rifle					4/19/91	RW
	P) Detach & Attach Scope 20 Times					4/19/91	RW
640	Gallery Target & Test					4-22-91	NF
	A) Time					"	NF
	B) Malfunctions					"	NF
	C) Pierced Primers					"	NF
	D) Optical Clarity of Scope					"	NF
645	Inspect for Live Ammo					4-22-91	NF
655	Final Inspection						
	A) Headspace					4/23/91	JK
	B) Trigger Pull	2.49	2.60	2.62	2.58	2.63	4/23/91
	C) Function					4/23/91	JK
660	Pack					6-15-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6611693

DATE 4/18/91

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.37	2.40	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.40	2.38	2.60	
PULL #3	2.34	2.36	2.33	2.62	
PULL #4	2.34	2.36	2.40	2.58	
PULL #5	2.39	2.42	2.42	2.63	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.15		
PULL #2	3.25	3.21		
PULL #3	3.36	3.16		
PULL #4	3.36	3.24		
PULL #5	3.35	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.24		4.31
PULL #2	4.25	4.35		4.26
PULL #3	4.28	4.37		4.38
PULL #4	4.26	4.23		4.43
PULL #5	4.27	4.40		4.45
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611693
22 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.261276
1 TO	2	.461806
1 TO	3	.60365
1 TO	4	.505167
1 TO	5	.167586

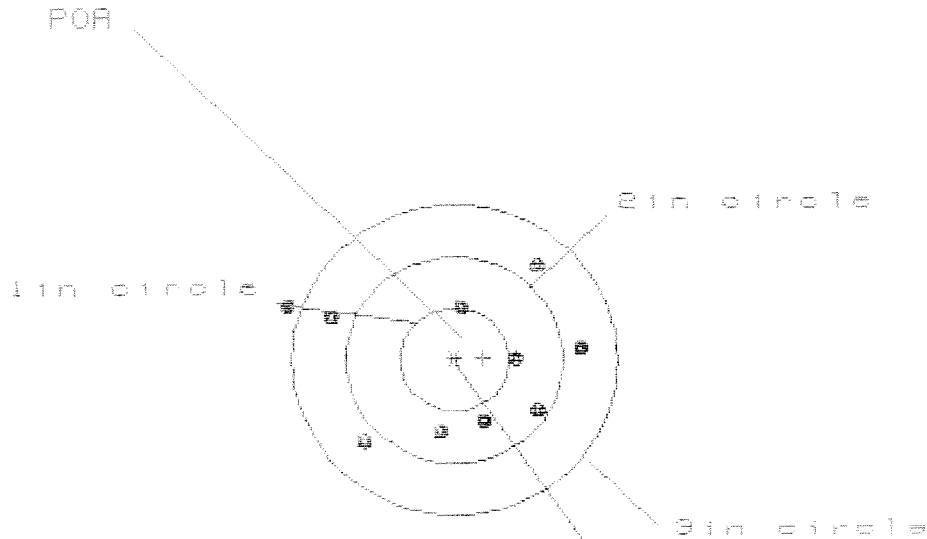
512 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0738
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0894
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101305
THE AMR FOR THIS RIFLE IS: .8214

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611693

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 2.584

VS = 1.705

GS = 2.702

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.194	1.029	.860
MINIMUM X	-1.490	-1.352	-1.133
MAXIMUM Y	.899	.951	1.013
MINIMUM Y	-.806	-.754	-.692
CENTROID X	-.261	-.096	.074
CENTROID Y	-.012	-.064	-.126
POA TO CENTROID in.	.261	.115	.146
MIN RADIUS	.485	.387	.256
MEAN RADIUS	.957	.855	.746
MAX RADIUS	1.561	1.439	1.327
HORIZONTAL SPREAD	2.684	2.381	1.992
VERTICAL SPREAD	1.705	1.705	1.705
EXTREME SPREAD	2.702	2.398	2.318
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611693

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.846

VS = 1.891

CS = 2.260

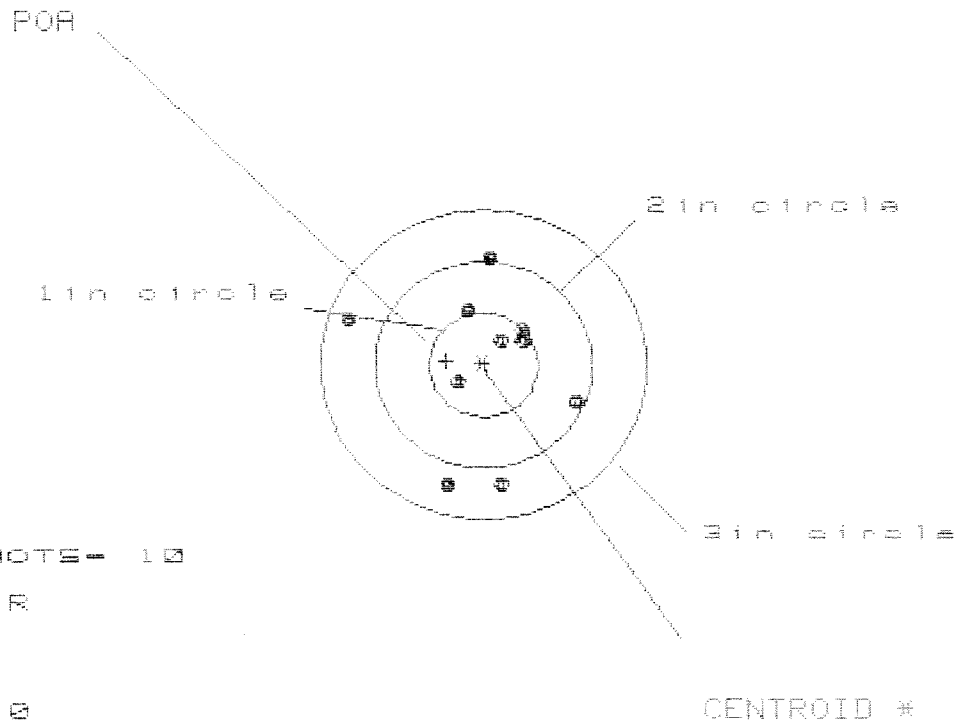
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.877	.800	.858
MINIMUM X	-.969	-1.046	-.988
MAXIMUM Y	.985	.783	.684
MINIMUM Y	-.906	-.797	-.731
CENTROID X	.163	.240	.182
CENTROID Y	-.195	-.304	-.205
POA TO CENTROID in.	.254	.388	.274
MIN RADIUS	.256	.351	.277
MEAN RADIUS	.769	.717	.688
MAX RADIUS	1.280	1.080	1.003
HORIZONTAL SPREAD	1.846	1.846	1.846
VERTICAL SPREAD	1.891	1.588	1.415
EXTREME SPREAD	2.260	1.863	1.863
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611693

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 10

HS = 2.115

VS = 2.164

GS = 2.273

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.889	.753	.692
MINIMUM X	-1.226	-.483	-.441
MAXIMUM Y	1.020	1.071	.934
MINIMUM Y	-1.144	-1.093	-1.230
CENTROID X	.342	.478	.539
CENTROID Y	-.040	-.091	.046
POA TO CENTROID in.	.344	.487	.541
MIN RADIUS	.301	.335	.196
MEAN RADIUS	.773	.708	.603
MAX RADIUS	1.309	1.195	1.230
HORIZONTAL SPREAD	2.115	1.236	1.133
VERTICAL SPREAD	2.164	2.164	2.164
EXTREME SPREAD	2.273	2.209	2.165
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11693

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 2.929

VS = .868

GS = 2.937

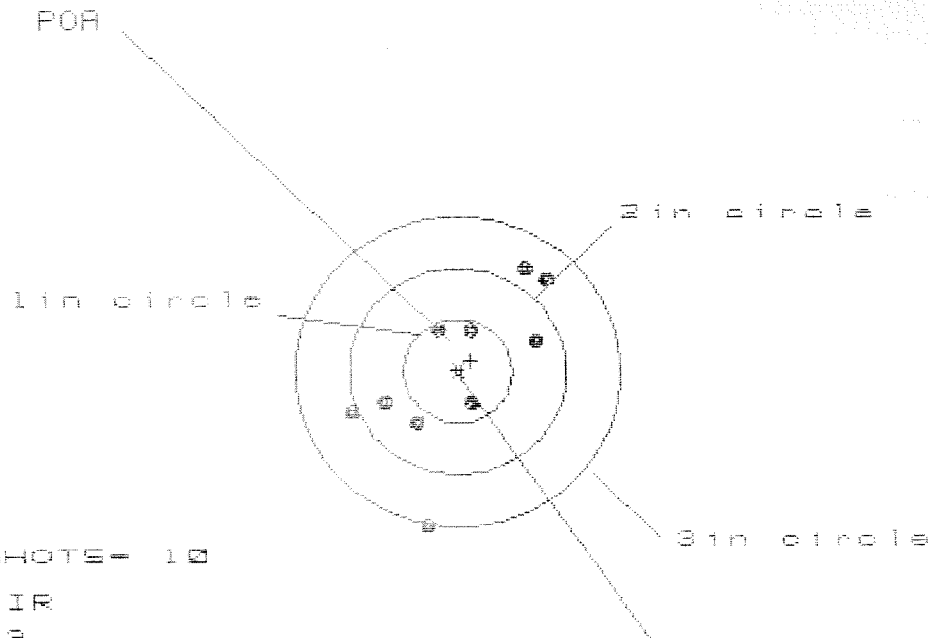
CENTROID #

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.672	1.314	1.180
MINIMUM X	-1.257	-1.071	-.739
MAXIMUM Y	.493	.510	.503
MINIMUM Y	-.375	-.358	-.365
CENTROID X	.244	.058	.192
CENTROID Y	.001	-.016	-.009
POA TO CENTROID in.	.244	.060	.192
MIN RADIUS	.243	.113	.200
MEAN RADIUS	.781	.644	.601
MAX RADIUS	1.678	1.318	1.184
HORIZONTAL SPREAD	2.929	2.385	1.919
VERTICAL SPREAD	.868	.868	.868
EXTREME SPREAD	2.937	2.390	1.974
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		

22 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C08B11693

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 1.756

VS = 2.503

GS = 2.680

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.801
MINIMUM X	-.955
MAXIMUM Y	1.030
MINIMUM Y	-1.473
CENTROID X	-.119
CENTROID Y	-.101
POA TO CENTROID in.	.156
MIN RADIUS	.332
MEAN RADIUS	.827
MAX RADIUS	1.504
HORIZONTAL SPREAD	1.756
VERTICAL SPREAD	2.503
EXTREME SPREAD	2.680
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9