

C6594638

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00089036**

Serial: C6594638 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 12/6/2004 7:56:06 AM

Address Information

Customer:

☒ Received From

Return To

☐ Received From

Name: **TRANSPORTATION OFFICER**

TRANSPORTATION OFFICER

Address 1: **DEF DIST DEPOT ANNISTON AL**

DEF DIST DEPOT ANNISTON AL

Address 2: **PO Box:**

PO Box:

City: **ANNISTON**

ANNISTON

State: **AL**

Zip Code: **36201**

Country: **US**

State: **AL**

Zip Code: **36201**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Studs	3
A010	Hard Case	1
A026	Scope w/case	1
A055	Deployment Kit	1
A057	Frt and Rear Sgt Base	3

Repair Search

Refresh

Close

neglelj

12/6/2004

8:53 AM

CSRS

NUM

LINE

STPL

start

2

Arms Services

2

2

2

2

2

Serial Number:

C6594638

Model: **M24 SWS**



RE00089036

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594638.___0

FILE DATE AND TIME: 01/10/2005 10:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.003
The Average Y Centroid of the Five Target Set:	-0.079
The Average Point of Impact of the Five Target Set:	0.079
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #2 to Centroid Target #1:	0.181
The Distance from Centroid Target #3 to Centroid Target #1:	0.312
The Distance from Centroid Target #4 to Centroid Target #1:	0.119
The Distance from Centroid Target #5 to Centroid Target #1:	0.340

SERIAL NUMBER: C6594638. 0

TARGET NUMBER: 1

FILE DATE: 01/10/2005

FILE TIME: 10:59

X CENTROID: 0.072

Y CENTROID: 0.091

POA TO CENTROID: 0.116

HORZ SPREAD: 1.999

VERT SPREAD: 1.340

GROUP SPREAD: 2.030

MIN RADIUS: 0.441

MAX RADIUS: 1.247

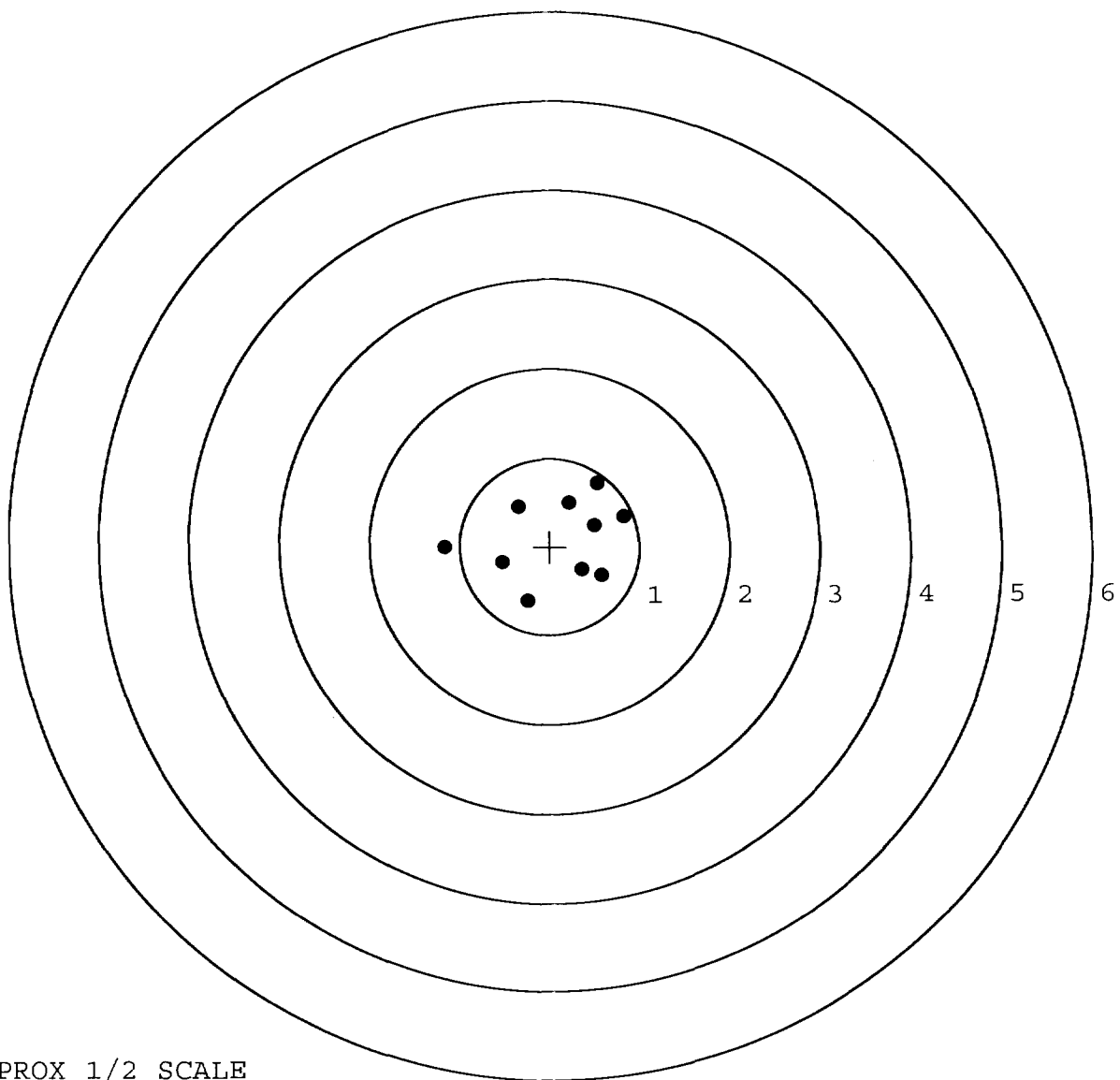
MEAN RADIUS: 0.683

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.575	-0.332
2:	0.356	-0.264
3:	-0.250	-0.614
4:	-0.527	-0.174
5:	-0.346	0.465
6:	-1.172	0.000
7:	0.827	0.351
8:	0.500	0.248
9:	0.534	0.726
10:	0.223	0.506

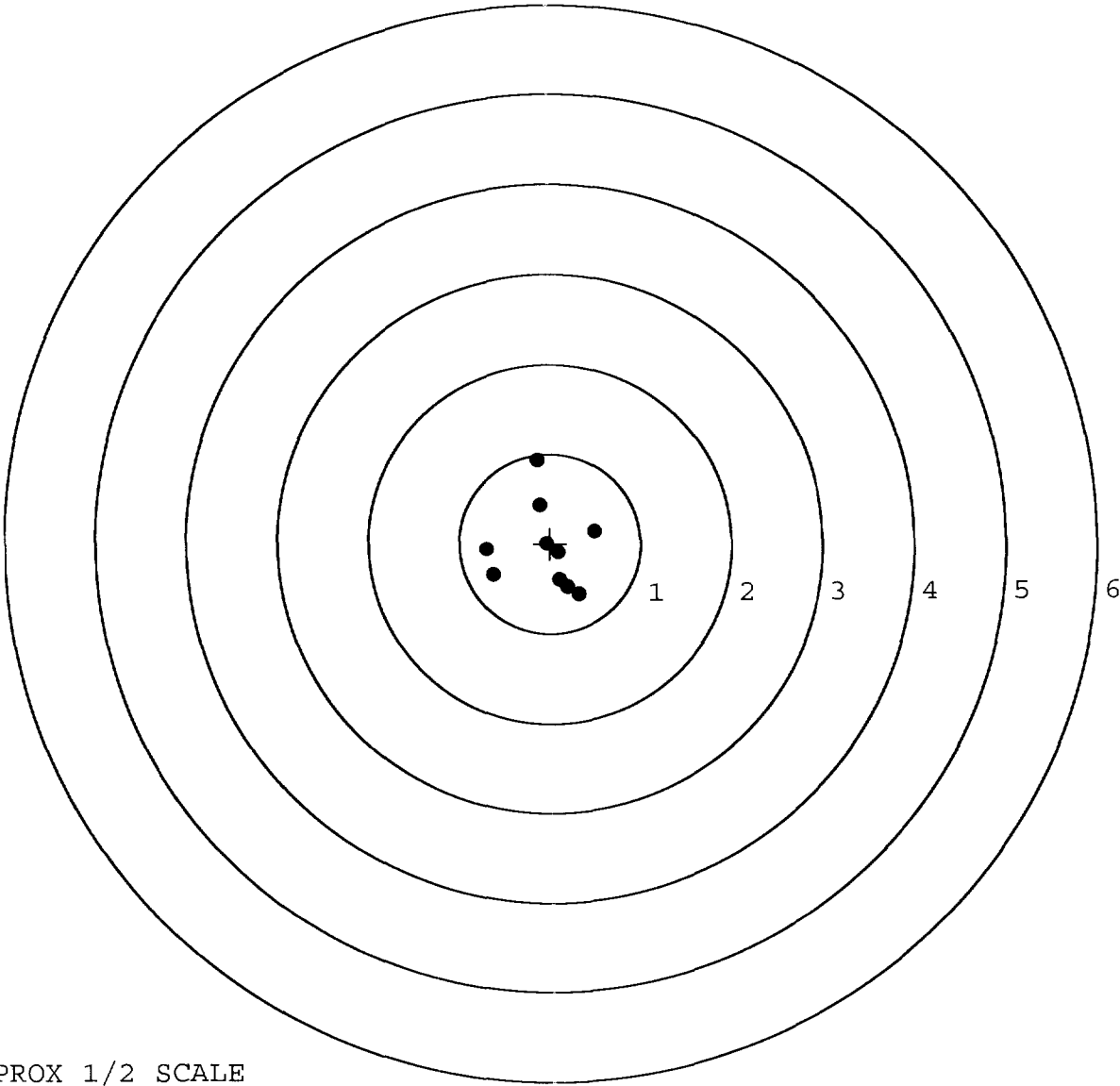


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594638. 0
TARGET NUMBER: 2
FILE DATE: 01/10/2005
FILE TIME: 10:59

X CENTROID: -0.042
Y CENTROID: -0.050
POA TO CENTROID: 0.065
HORZ SPREAD: 1.200
VERT SPREAD: 1.501
GROUP SPREAD: 1.568
MIN RADIUS: 0.053
MAX RADIUS: 0.984
MEAN RADIUS: 0.508
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.136	0.930
2:	-0.110	0.427
3:	0.499	0.137
4:	-0.701	-0.062
5:	-0.631	-0.356
6:	-0.044	0.003
7:	0.089	-0.102
8:	0.103	-0.412
9:	0.189	-0.491
10:	0.319	-0.571



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594638. __0

TARGET NUMBER: 3

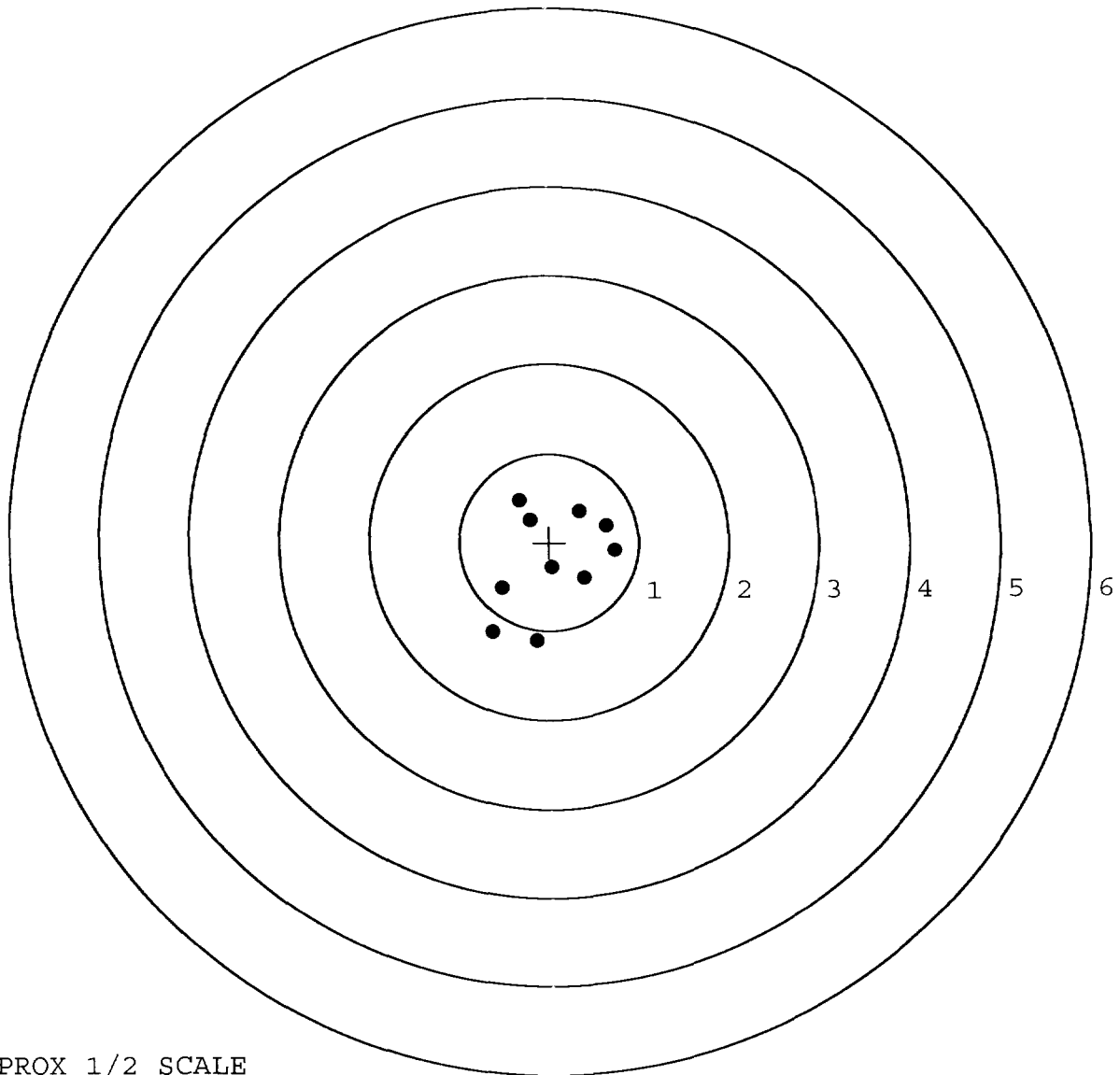
FILE DATE: 01/10/2005

FILE TIME: 10:59

X CENTROID: 0.027
Y CENTROID: -0.217
POA TO CENTROID: 0.219
HORZ SPREAD: 1.367
VERT SPREAD: 1.591
GROUP SPREAD: 1.760
MIN RADIUS: 0.072
MAX RADIUS: 1.040
MEAN RADIUS: 0.649

POINT#	X	Y
1:	-0.148	-1.117
2:	-0.640	-1.015
3:	-0.531	-0.520
4:	0.027	-0.289
5:	0.390	-0.409
6:	0.727	-0.099
7:	0.646	0.187
8:	0.344	0.358
9:	-0.330	0.474
10:	-0.211	0.257

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

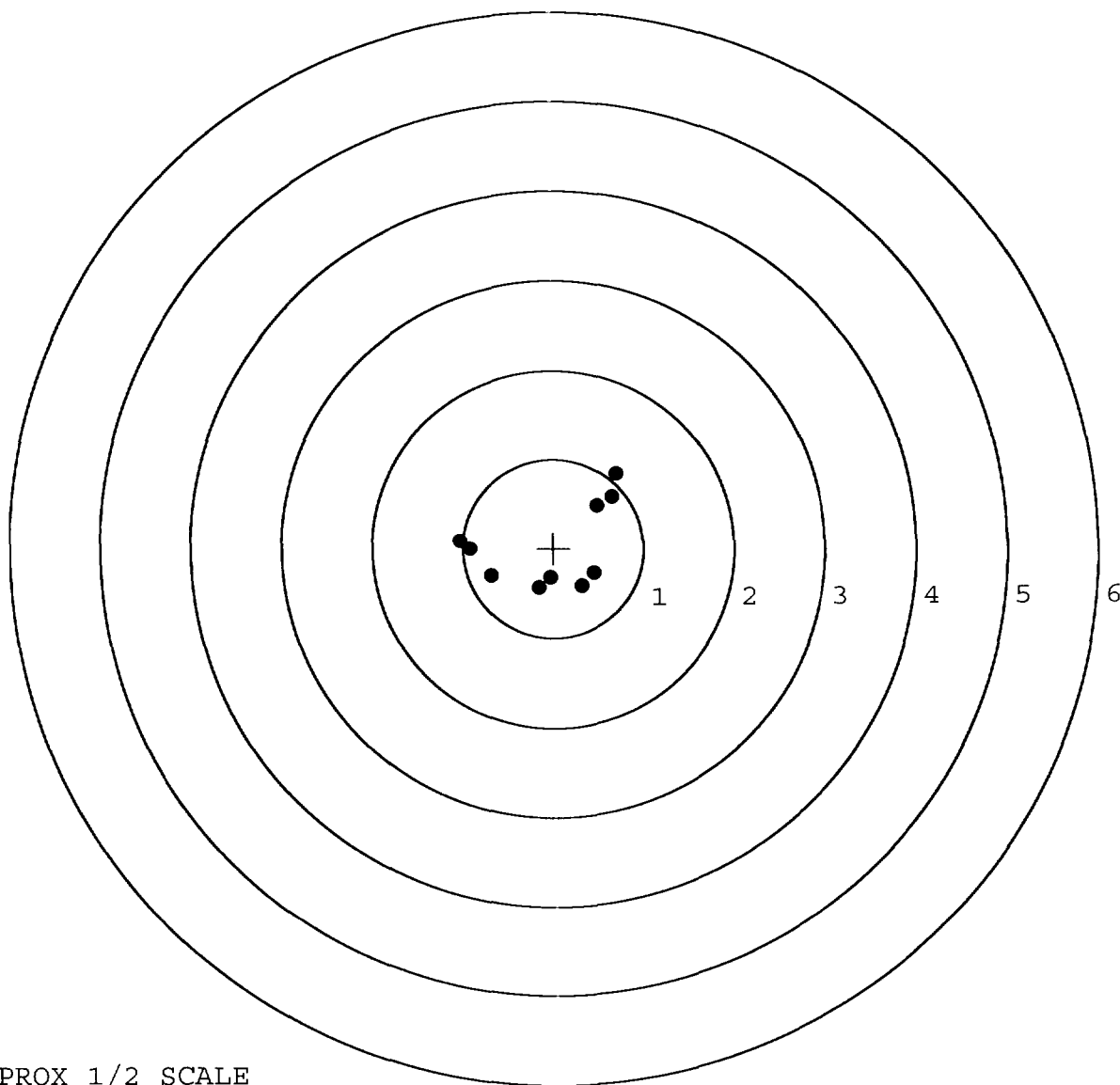


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594638.___0
TARGET NUMBER: 4
FILE DATE: 01/10/2005
FILE TIME: 10:59

X CENTROID: -0.022
Y CENTROID: 0.018
POA TO CENTROID: 0.028
HORZ SPREAD: 1.734
VERT SPREAD: 1.287
GROUP SPREAD: 1.890
MIN RADIUS: 0.355
MAX RADIUS: 1.097
MEAN RADIUS: 0.729
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.029	0.087
2:	-0.925	0.004
3:	-0.689	-0.308
4:	-0.162	-0.448
5:	0.315	-0.433
6:	0.452	-0.281
7:	0.492	0.476
8:	0.660	0.577
9:	0.705	0.839
10:	-0.037	-0.337

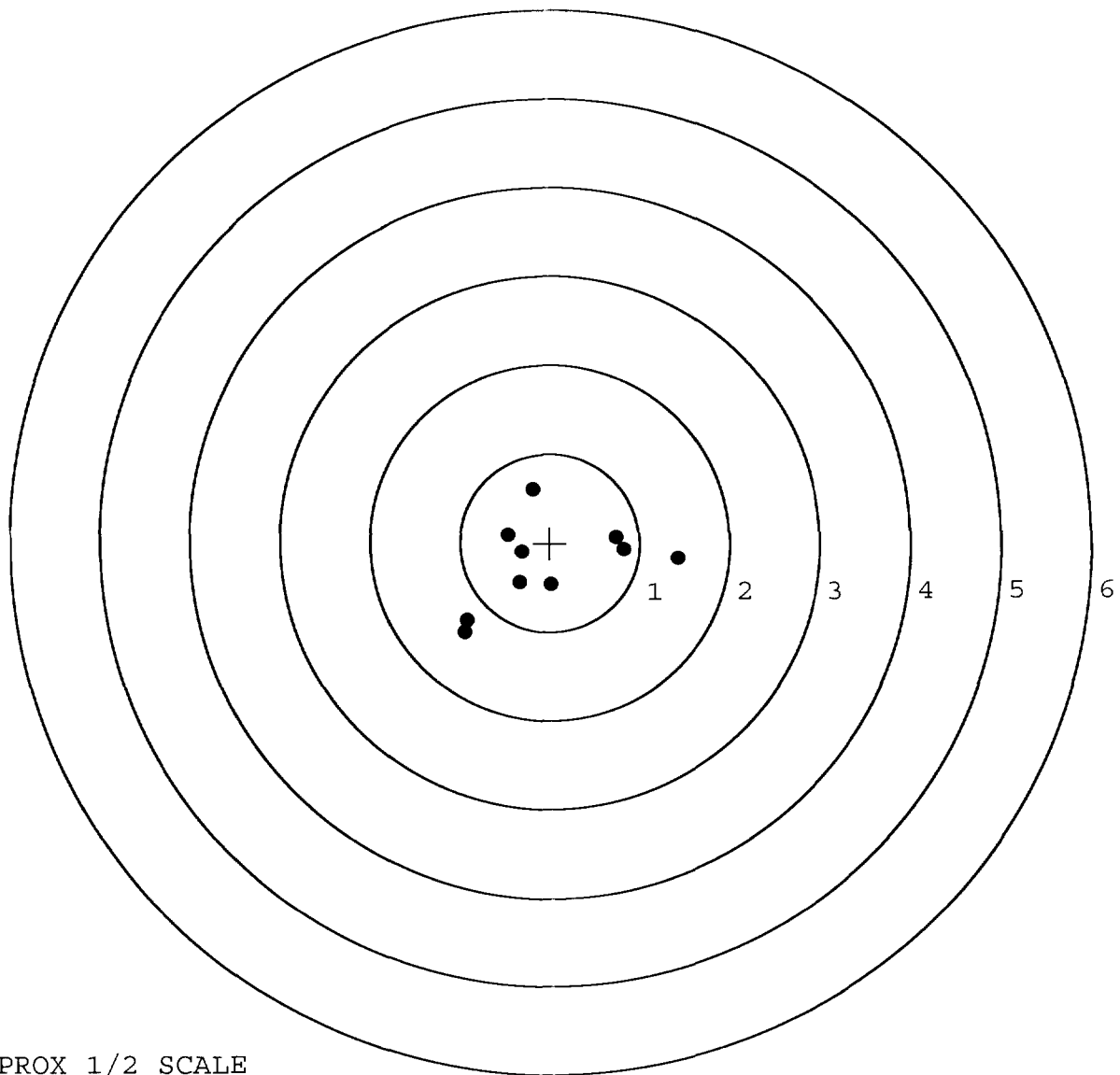


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594638.____0
TARGET NUMBER: 5
FILE DATE: 01/10/2005
FILE TIME: 10:59

X CENTROID: -0.020
Y CENTROID: -0.236
POA TO CENTROID: 0.237
HORZ SPREAD: 2.379
VERT SPREAD: 1.606
GROUP SPREAD: 2.517
MIN RADIUS: 0.234
MAX RADIUS: 1.446
MEAN RADIUS: 0.780
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.425	-0.179
2:	0.826	-0.079
3:	0.738	0.070
4:	-0.184	0.604
5:	-0.469	0.100
6:	-0.319	-0.100
7:	-0.345	-0.441
8:	0.013	-0.468
9:	-0.930	-0.870
10:	-0.954	-1.002



TARGET APPROX 1/2 SCALE

R & E NUMBER	89036		
SERIAL NUMBER	C6594638		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-8-04	RTZ
560 A	RE-BARREL	12-15-04	RTZ
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	DEC 27 2004	RTZ
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-7-05	RTZ
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-10-05	AC
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6594638

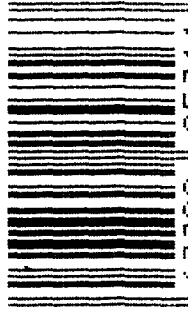
ORDER NO.
5716

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



5716 C6594638

UPC



0 47200 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594638

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/20/90	K.S.
600	Proof		12/20/90	K.S.
607	Check Headspace		12/20/90	K.S.
610	Dis-assemble Gun		12/20/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GB.
617	Drill and Tap Sight Holes	1 10 91		EB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-22-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/29/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/29/91	KS
	C) Inspect Ejector Hole for Chamfer		1/29/91	KS
	D) Oil Firing Pin Ass'y		1/29/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/30/91	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/30/91	WB
	G) Safety Off Force	2	2	2			1/30/91	WB
	H) Trigger Pull Test & Retainability						1/30/91	JL
	I) Firing Pin Indent	.0205	.0205	.0205			1/30/91	WB
	J) Assemble Stock						1/30/91	KS
	K) Assemble Swivel Studs						2-6-91	KS
	L) Attach Front and Rear Sight Assemblies						1/30/91	KS
	M) Iron Sight Alignment						1/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/30/91	KS
	O) Attach Scope to Rifle						1/30/91	KS
	P) Detach & Attach Scope 20 Times						1/30/91	KS
640	Gallery Target & Test						1/30/91	KS
	A) Time						"	KS
	B) Malfunctions						"	KS
	C) Pierced Primers						"	KS
	D) Optical Clarity of Scope						"	KS
645	Inspect for Live Ammo						1/30/91	KS
655	Final Inspection							
	A) Headspace						2-6-91	KS
	B) Trigger Pull	2.45	2.44	2.43	2.47	2.47	2-4-91	JL
	C) Function						2-6-91	KS
660	Pack						3-19-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594638

DATE 1-30-91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.54	2.43	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.45	2.45	2.44	
PULL #3	2.38	2.46	2.48	2.43	
PULL #4	2.18	2.46	2.38	2.47	
PULL #5	2.37	2.41	2.30	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.27		
PULL #2	3.48	3.37		
PULL #3	3.50	3.40		
PULL #4	3.43	3.42		
PULL #5	3.52	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.42		4.45
PULL #2	4.23	4.44		4.40
PULL #3	4.47	4.42		4.43
PULL #4	4.49	4.37		4.48
PULL #5	4.39	4.45		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594638
31 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0892693
1 TO	2	.203384
1 TO	3	.0617171
1 TO	4	.075326
1 TO	5	.0870057

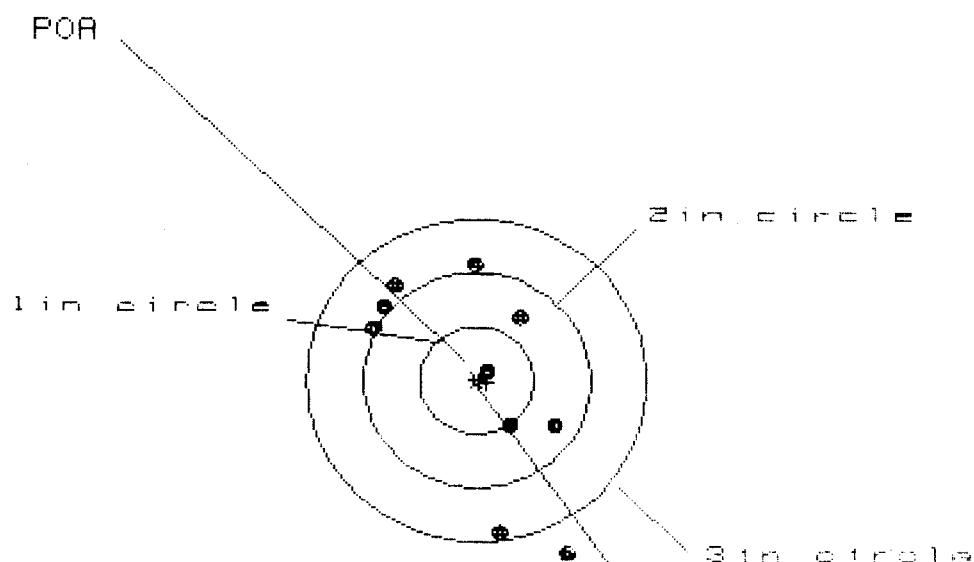
3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0838
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .086
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .120077
THE AMR FOR THIS RIFLE IS: .8726

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594638

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 4

3 in - 8

HS- 1.611

VS- 2.777

GS- 2.931

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.739	.781	.809
MINIMUM X	-.872	-.789	-.761
MAXIMUM Y	1.119	.935	.729
MINIMUM Y	-1.658	-1.643	-.844
CENTROID X	-.088	-.171	-.199
CENTROID Y	.015	.199	.485
POR TO CENTROID in.	.090	.262	.451
MIN RADIUS	.176	.214	.353
MEAN RADIUS	.981	.867	.746
MAX RADIUS	1.815	1.659	1.169
HORIZONTAL SPREAD	1.611	1.570	1.570
VERTICAL SPREAD	2.777	2.578	1.573
EXTREME SPREAD	2.931	2.580	1.954
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594638

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS- 10

IN CIR

1in - 3

2in - 5

3in = 9

HS- 2.767

VS= 2.388

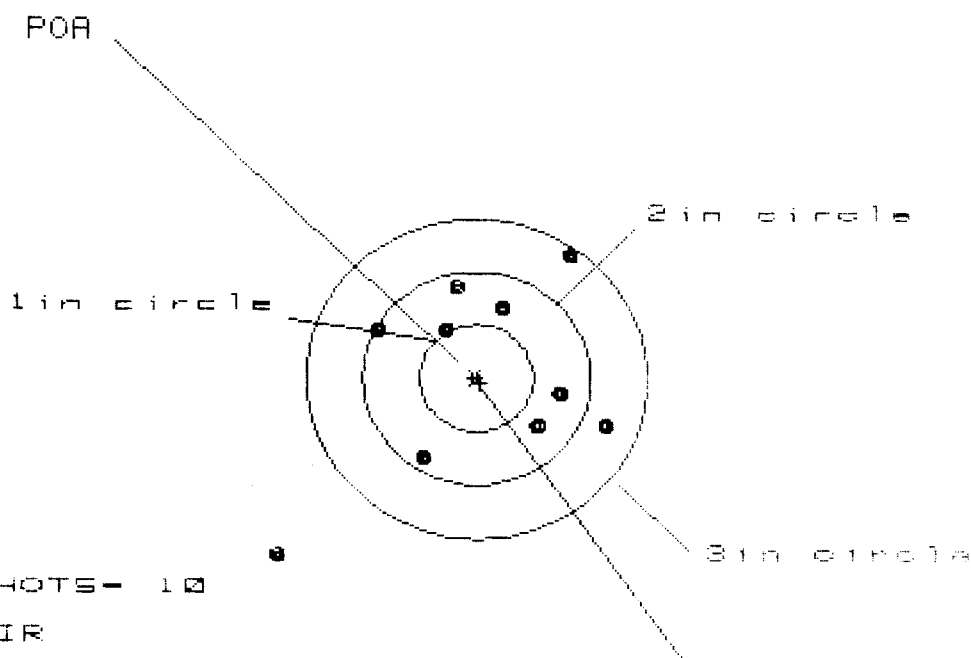
GS= 3.271

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.016	.821	.859
MINIMUM X	:	-1.751	-.651	-.613
MAXIMUM Y	:	1.051	1.166	1.013
MINIMUM Y	:	-1.337	-1.222	-1.208
CENTROID X	:	-.046	.149	.111
CENTROID Y	:	.214	.099	.252
POA TO CENTROID in.	:	.219	.179	.275
MIN RADIUS	:	.103	.129	.088
MEAN RADIUS	:	.915	.785	.702
MAX RADIUS	:	2.034	1.260	1.221
HORIZONTAL SPREAD	:	2.767	1.472	1.472
VERTICAL SPREAD	:	2.388	2.388	2.221
EXTREME SPREAD	:	3.271	2.391	2.257
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594638

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 9

HS= 2.951

VS= 2.763

GS= 3.824

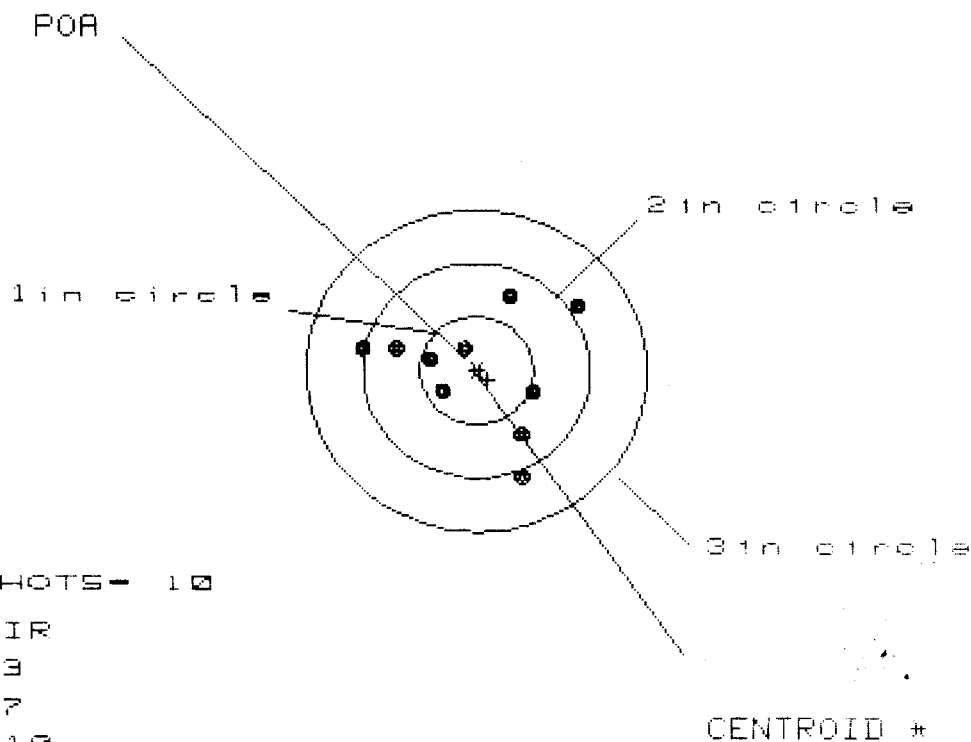
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.166	.968	1.050
MINIMUM X	:	-1.785	-1.016	-.934
MAXIMUM Y	:	1.110	.927	.759
MINIMUM Y	:	-1.653	-.959	-.843
CENTROID X	:	-.033	.165	.083
CENTROID Y	:	.043	.226	.110
POA TO CENTROID in.	:	.054	.280	.138
MIN RADIUS	:	.541	.436	.557
MEAN RADIUS	:	1.042	.844	.888
MAX RADIUS	:	2.432	1.178	1.189
HORIZONTAL SPREAD	:	2.951	1.984	1.984
VERTICAL SPREAD	:	2.763	1.886	1.602
EXTREME SPREAD	:	3.824	2.304	2.195
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594638

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.897

VS= 1.676

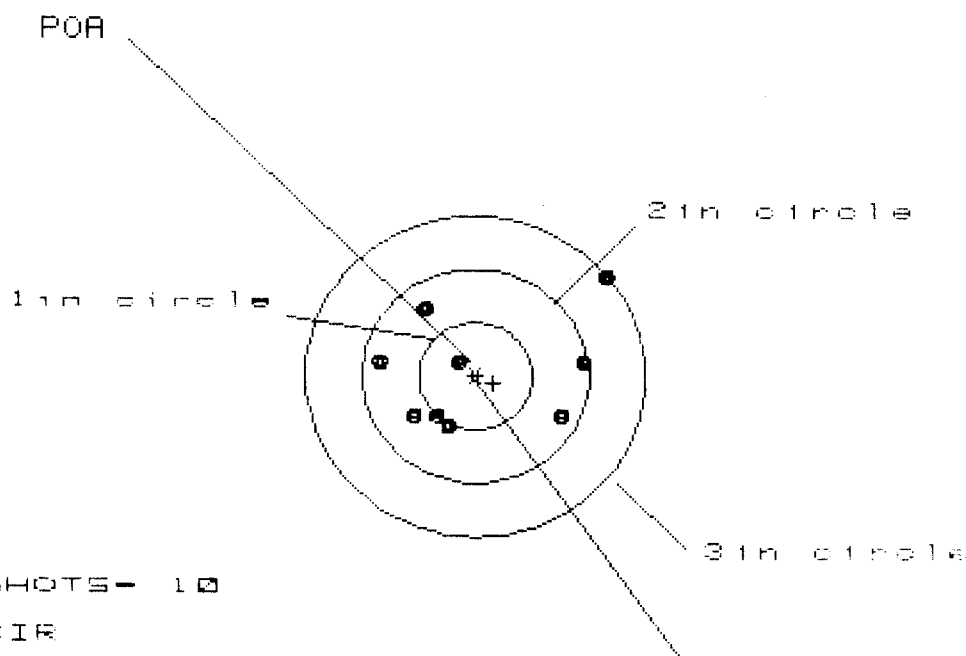
GS= 1.946

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.891	.595	.659
MINIMUM X	:	-1.006	-.907	-.843
MAXIMUM Y	:	.677	.750	.635
MINIMUM Y	:	-.999	-.926	-.682
CENTROID X	:	-.095	-.194	-.258
CENTROID Y	:	.090	.018	.133
POA TO CENTROID in.	:	.131	.195	.290
MIN RADIUS	:	.219	.257	.147
MEAN RADIUS	:	.696	.637	.553
MAX RADIUS	:	1.105	1.058	.878
HORIZONTAL SPREAD	:	1.897	1.502	1.502
VERTICAL SPREAD	:	1.676	1.676	1.317
EXTREME SPREAD	:	1.946	1.872	1.639
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594638

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.986

VS= 1.449

GS= 2.155

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.131	1.104	1.003
MINIMUM X	:	-.855	-.730	-.592
MAXIMUM Y	:	.942	.716	.740
MINIMUM Y	:	-.507	-.402	-.379
CENTROID X	:	-.157	-.282	-.420
CENTROID Y	:	.068	-.037	-.001
POA TO CENTROID in.	:	.171	.285	.424
MIN RADIUS	:	.198	.279	.241
MEAN RADIUS	:	.729	.603	.503
MAX RADIUS	:	1.472	1.120	1.026
HORIZONTAL SPREAD	:	1.986	1.834	1.595
VERTICAL SPREAD	:	1.449	1.118	1.118
EXTREME SPREAD	:	2.155	1.834	1.657
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	9		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6594638
DATE 8/29/95
TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.33	2.60		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.34	2.26		
PULL #3	2.98	2.33	2.61		
PULL #4	2.53	2.57	2.54		
PULL #5	2.56	2.44	2.64		
TOTAL	13.16	12.01	12.65		
AVG.	2.63	2.40	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.01		
PULL #2	3.07	3.02		
PULL #3	3.13	3.15		
PULL #4	3.08	3.04		
PULL #5	3.21	3.12		
TOTAL	15.60	15.34		
AVG.	3.12	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.04	4.44	
PULL #2	4.35	4.24	4.13	
PULL #3	4.32	4.14	4.48	
PULL #4	4.45	4.41	4.16	
PULL #5	4.43	4.51	4.31	
TOTAL	21.97	21.34	21.52	
AVG.	4.39	4.27	4.30	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594638

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			

Op. #	OP. NAME	READINGS			DATE	INIT		
525 cont.	F) Safety On Force	6 1/2	6 1/4	6 1/4	12/14	WB		
	G) Safety Off Force	2 3/4	2 3/4	3	12/14	WB		
	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							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.22	2.17	2.21	2.15	2.18	12/14	WB
	C) Function							
660	Pack							