

Smith

C6348769

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington ®		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6348769	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6348769

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348769

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	5 17 89	RW
600	Proof		5 17 89	RW
607	Check Headspace		5 17 89	RW
610	Dis-assemble Gun		5 17 89	RW
612	Magnaflux Barrel Action		5/19	KCR
	Magnaflux Bolt		5/19	KCR
615	Rollmark Caliber		5/19	KCR
617	Drill and Tap Sight Holes		5 22 89	LB
618	Polish Barrel		5 22 89	BT
620	Apply Coatings (Barrel Action)		5/26/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		7/14/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/14/89	RW
	C) Inspect Ejector Hole for Chamfer		7/14/89	RW
	D) Oil Firing Pin Ass'y		7/14/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		18 July 89	CS

op. #	BARBER, M24 0063504 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5			18 July 89	JS
	G) Safety Off Force	3	3	6			18 July 89	JS
	H) Trigger Pull Test & Retainability						18 July 89	JS
	I) Firing Pin Indent	.021	.021	.021			18 July 89	JS
	J) Assemble Stock						7/18/89	RW
	K) Assemble Swivel Studs						25 July 89	JS
	L) Attach Front and Rear Sight Assemblies						7/18/89	RW
	M) Iron Sight Alignment						7/18/89	RW
	N) Detach Front & Rear Sights & place in numbered container						7/18/89	RW
	O) Attach Scope to Rifle						7/19/89	JS
	P) Detach & Attach Scope 20 Times						7/20/89	JS
640	Gallery Target & Test	56R	99L				7-24-89	DH
	A) Time						7-24-89	DH
	B) Malfunctions						7-24-89	DH
	C) Pierced Primers						7-24-89	DH
	D) Optical Clarity of Scope						7-24-89	DH
645	Inspect for Live Ammo						7-24-89	DH
655	Final Inspection							
	A) Headspace						25 July 89	JS
	B) Trigger Pull	2.53	2.61	2.64	2.63	2.61	25 July 89	JS
	C) Function						25 July 89	JS
660	Pack						19 Sept 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348769

DATE 18 July 89

TESTER J.C.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.33	2.51	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.26	2.37	2.61	
PULL #3	2.39	2.59	2.41	2.64	
PULL #4	2.48	2.37	2.43	2.63	
PULL #5	2.64	2.33	2.41	2.61	
TOTAL	12.21	11.88	12.13	13.02	
AVG.	2.442	2.376	2.426	2.604	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.15		
PULL #2	3.20	3.21		
PULL #3	3.18	3.22		
PULL #4	3.11	3.40		
PULL #5	3.17	3.24		
TOTAL	15.74	16.22		
AVG.	3.148	3.244		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.40		4.34
PULL #2	4.31	4.33		4.28
PULL #3	4.41	4.29		4.39
PULL #4	4.39	4.42		4.34
PULL #5	4.30	4.37		4.25
TOTAL	21.68	21.81		21.60
AVG.	4.336	4.362		4.32

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348769
24 Jul 1989

CENTROIDAL DISTANCES

0 TO	1	.924639
1 TO	2	.766698
1 TO	3	.750746
1 TO	4	.512228
1 TO	5	1.06982

$\frac{5}{124}$ <----POA
1

THE AVERAGE COORDINATE FOR THIS RIFLE IS: .3782
THE AVERAGE COORDINATE FOR THIS RIFLE IS: -.1274
THE AVERAGE AVERAGE POI RADIUS FOR THIS RIFLE IS: .399081
THE AVERAGE FOR THIS RIFLE IS: 1.035

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B7B9

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

H = 2.553

V = 2.810

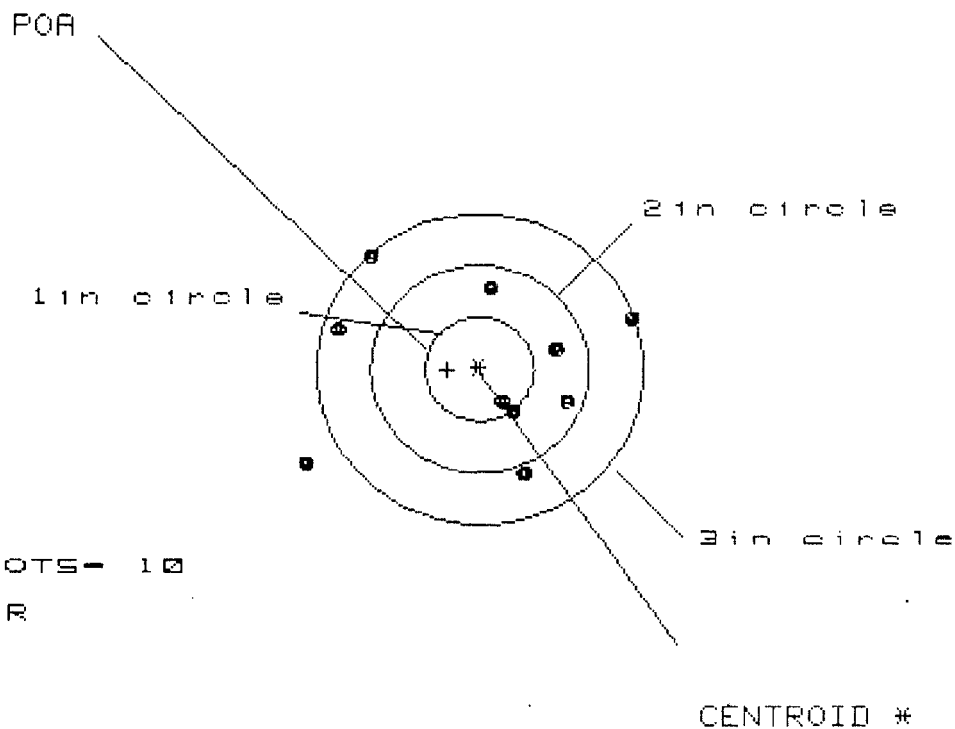
GS = 2.866

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.605	1.500	1.312
MINIMUM Y	:	-.948	-.830	-.643
MAXIMUM Y	:	1.658	.703	.770
MINIMUM X	:	-1.152	-.968	-.901
CENTROID X	:	.611	.716	.529
CENTROID Y	:	-.694	-.878	-.945
POA TO CENTROID in.	:	.924	1.133	1.083
MIN RADIUS	:	.361	.356	.283
MEAN RADIUS	:	1.007	.898	.758
MAX RADIUS	:	1.910	1.594	1.522
HORIZONTAL SPREAD	:	2.553	2.330	1.955
VERTICAL SPREAD	:	2.810	1.671	1.671
EXTREME SPREAD	:	2.866	2.620	2.432
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348763

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.027

VS= 2.133

GS= 3.336

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.431
MINIMUM X	:	-1.596
MAXIMUM Y	:	1.102
MINIMUM Y	:	-1.031
CENTROID X	:	.296
CENTROID Y	:	.005
POA TO CENTROID in.	:	.296
MIN RADIUS	:	.384
MEAN RADIUS	:	1.058
MAX RADIUS	:	1.851
HORIZONTAL SPREAD	:	3.027
VERTICAL SPREAD	:	2.133
EXTREME SPREAD	:	3.336
NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	8

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B769

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 8

HS = 3.355

VS = 2.245

GS = 3.585

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.583
MINIMUM X	-1.772
MAXIMUM Y	1.059
MINIMUM Y	-1.186
CENTROID X	.179
CENTROID Y	-.080
POA TO CENTROID in.	.196
MIN RADIUS	.682
MEAN RADIUS	1.180
MAX RADIUS	1.816
HORIZONTAL SPREAD	3.355
VERTICAL SPREAD	2.245
EXTREME SPREAD	3.585
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	4
NUMBER IN THREE INCH CIRCLE	8

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348769

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 1.953

VS= 2.594

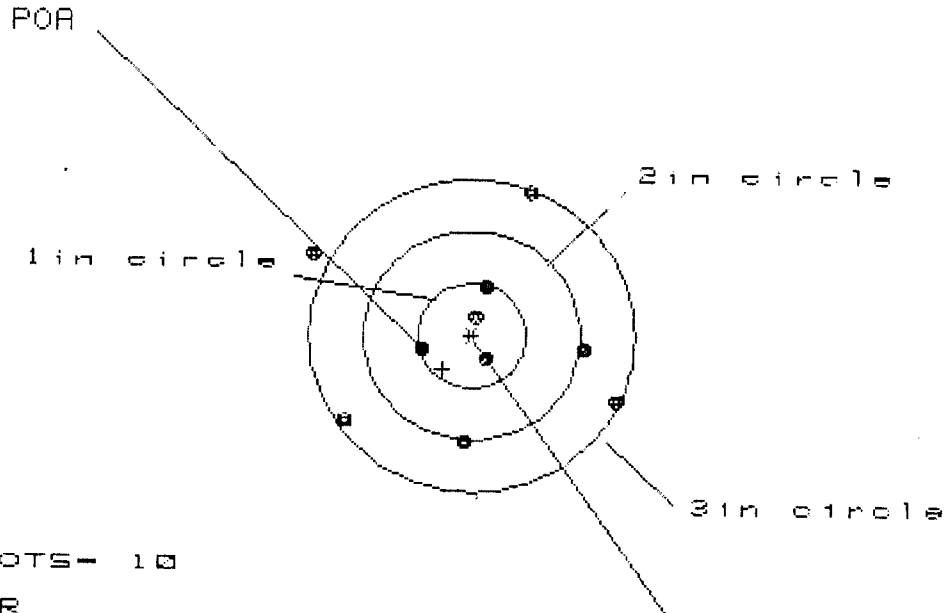
GS= 2.707

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.038	1.114	1.009
MINIMUM X	:	-.915	-.839	-.576
MAXIMUM Y	:	1.545	1.344	1.465
MINIMUM Y	:	-1.049	-.877	-.709
CENTROID X	:	.538	.462	.567
CENTROID Y	:	-.187	-.359	-.527
POA TO CENTROID in.	:	.569	.585	.774
MIN RADIUS	:	.216	.374	.314
MEAN RADIUS	:	.990	.880	.762
MAX RADIUS	:	1.689	1.584	1.471
HORIZONTAL SPREAD	:	1.953	1.953	1.585
VERTICAL SPREAD	:	2.594	2.221	2.174
EXTREME SPREAD	:	2.707	2.535	2.174
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348763

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 2.796

VS= 2.362

GS= 3.140

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.327	1.164	.970
MINIMUM X	:	-1.469	-1.346	-1.201
MAXIMUM Y	:	1.380	1.465	1.394
MINIMUM Y	:	-.982	-.897	-.968
CENTROID X	:	.267	.430	.285
CENTROID Y	:	.319	.234	.305
POA TO CENTROID in.	:	.416	.489	.417
MIN RADIUS	:	.205	.136	.218
MEAN RADIUS	:	.939	.851	.781
MAX RADIUS	:	1.659	1.517	1.472
HORIZONTAL SPREAD	:	2.796	2.510	2.171
VERTICAL SPREAD	:	2.362	2.362	2.362
EXTREME SPREAD	:	3.140	2.737	2.737
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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: RE00131883

Serial: C6348769 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/30/2007 10:55:17 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: A CO 1/10SF BN

A CO 1/10SF BN

Address 1: PANZER KASERNE

PANZER KASERNE

Address 2: APO

PO Box:

APO

PO Box:

City: WH0940

WH0940

State: AE

Zip Code: 09107

Country: IT

State: AE

Zip Code: 09107

Country: IT

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

nagletj

7/30/2007

12:50 PM

CAPS

NUM

INS

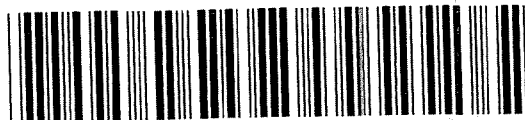
SCRL



12:50 PM

Serial Number: C6348769

Model: M24 SWS



RE00131883

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348269.___0
FILE DATE AND TIME: 10/01/2007 09:22

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

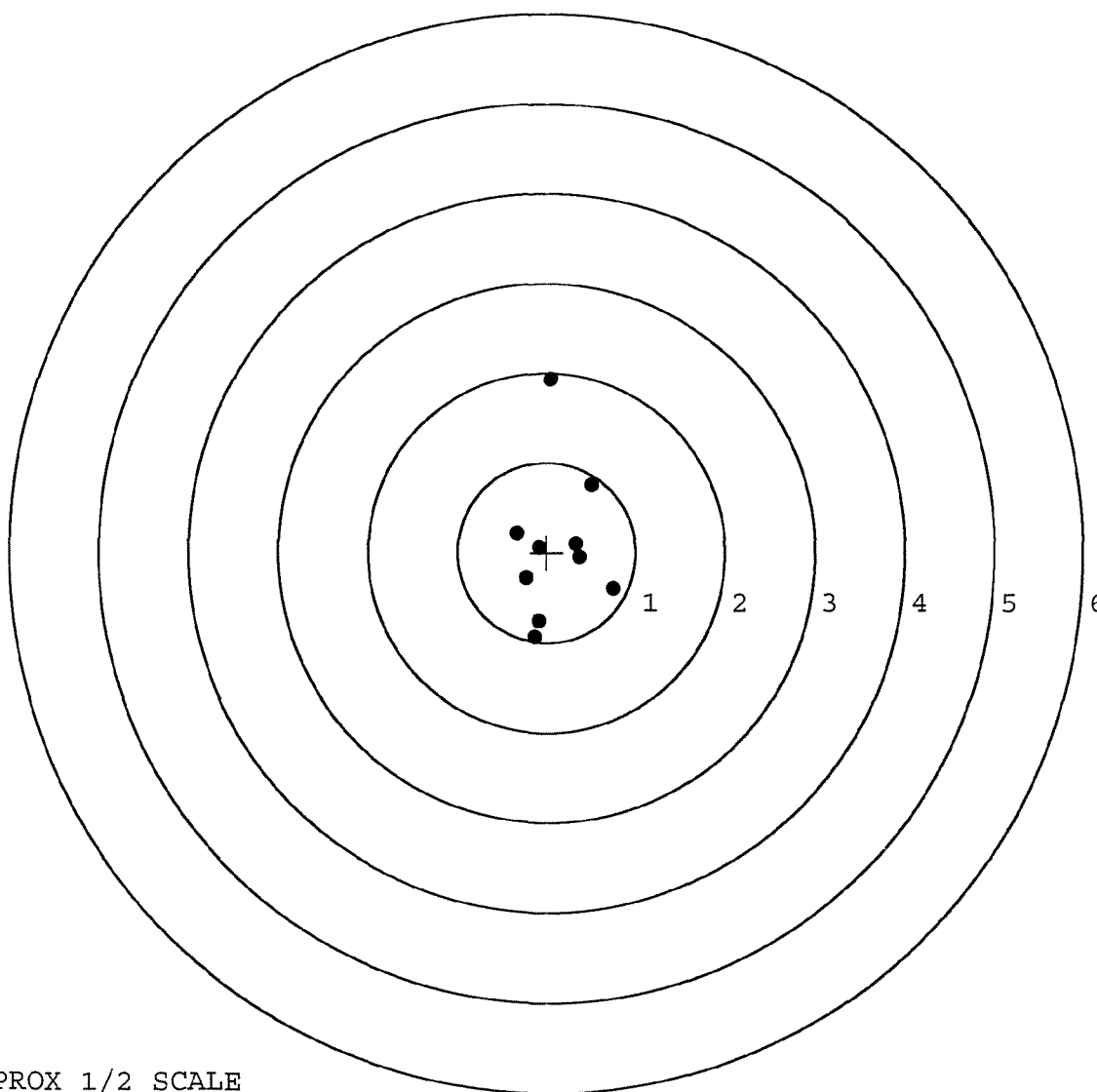
The Average X Centroid of the Five Target Set:	0.045
The Average Y Centroid of the Five Target Set:	0.037
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.122
The Distance from Centroid Target #2 to Centroid Target #1:	0.192
The Distance from Centroid Target #3 to Centroid Target #1:	0.238
The Distance from Centroid Target #4 to Centroid Target #1:	0.076
The Distance from Centroid Target #5 to Centroid Target #1:	0.157

BARBER - M24 0063514

SERIAL NUMBER: C6348269. __0
 TARGET NUMBER: 1
 FILE DATE: 10/01/2007
 FILE TIME: 09:22

POINT#	X	Y
1:	0.045	1.927
2:	0.502	0.749
3:	0.752	-0.401
4:	0.367	-0.057
5:	-0.145	-0.943
6:	-0.097	-0.764
7:	-0.238	-0.292
8:	-0.346	0.207
9:	-0.091	0.059
10:	0.327	0.100

X CENTROID: 0.108
 Y CENTROID: 0.058
 POA TO CENTROID: 0.122
 HORZ SPREAD: 1.098
 VERT SPREAD: 2.870
 GROUP SPREAD: 2.876
 MIN RADIUS: 0.199
 MAX RADIUS: 1.870
 MEAN RADIUS: 0.701
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0063515

SERIAL NUMBER: C6348269. 0

TARGET NUMBER: 2

FILE DATE: 10/01/2007

FILE TIME: 09:22

POINT#	X	Y
1:	0.610	0.451
2:	0.871	-0.624
3:	-0.283	-0.636
4:	-0.869	-0.118
5:	-0.723	0.261
6:	-0.385	0.459
7:	-0.293	0.291
8:	-0.775	1.071
9:	2.177	-0.655
10:	2.281	-1.075

X CENTROID: 0.261

Y CENTROID: -0.057

POA TO CENTROID: 0.267

HORZ SPREAD: 3.150

VERT SPREAD: 2.146

GROUP SPREAD: 3.734

MIN RADIUS: 0.617

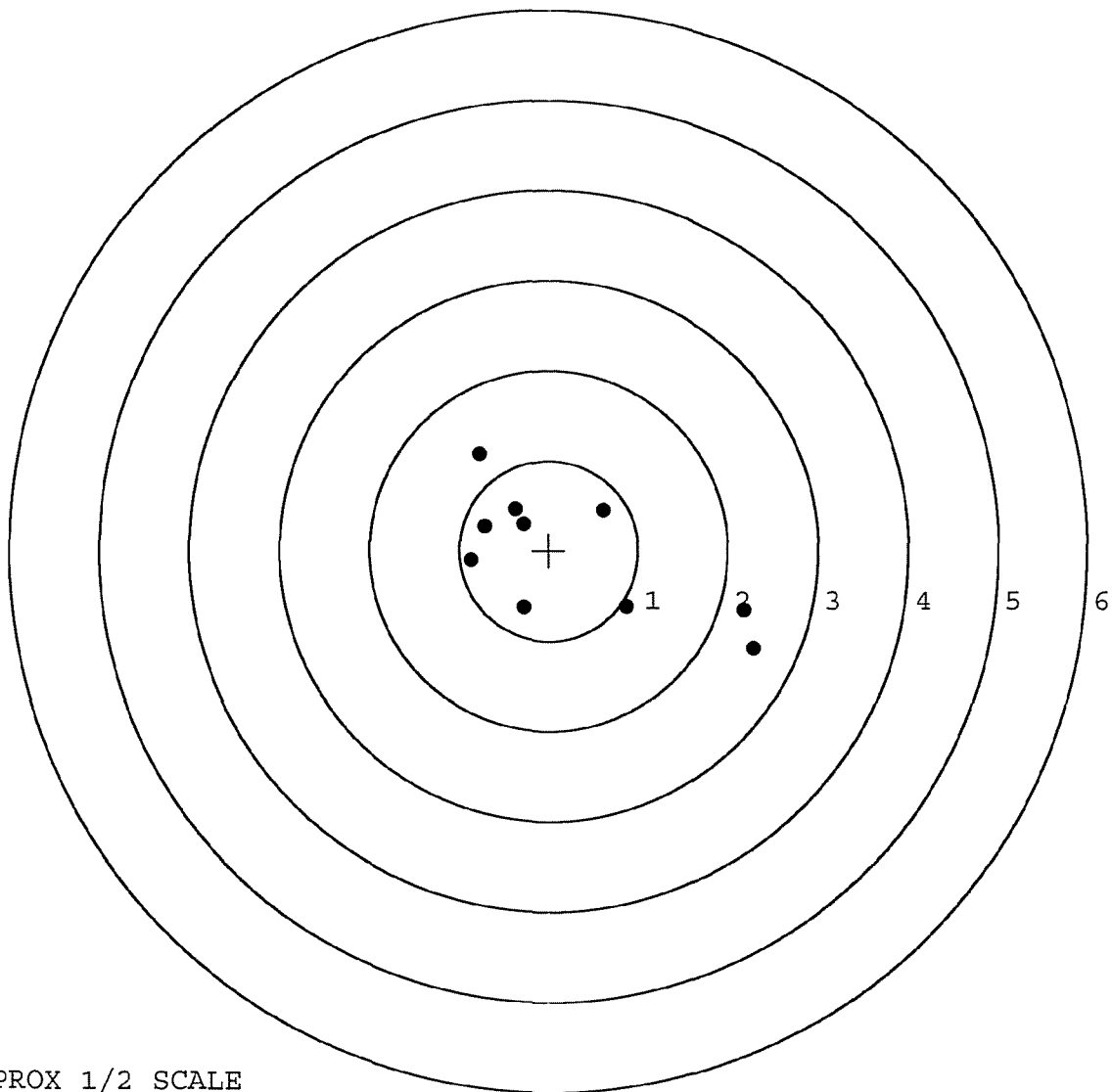
MAX RADIUS: 2.262

MEAN RADIUS: 1.169

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



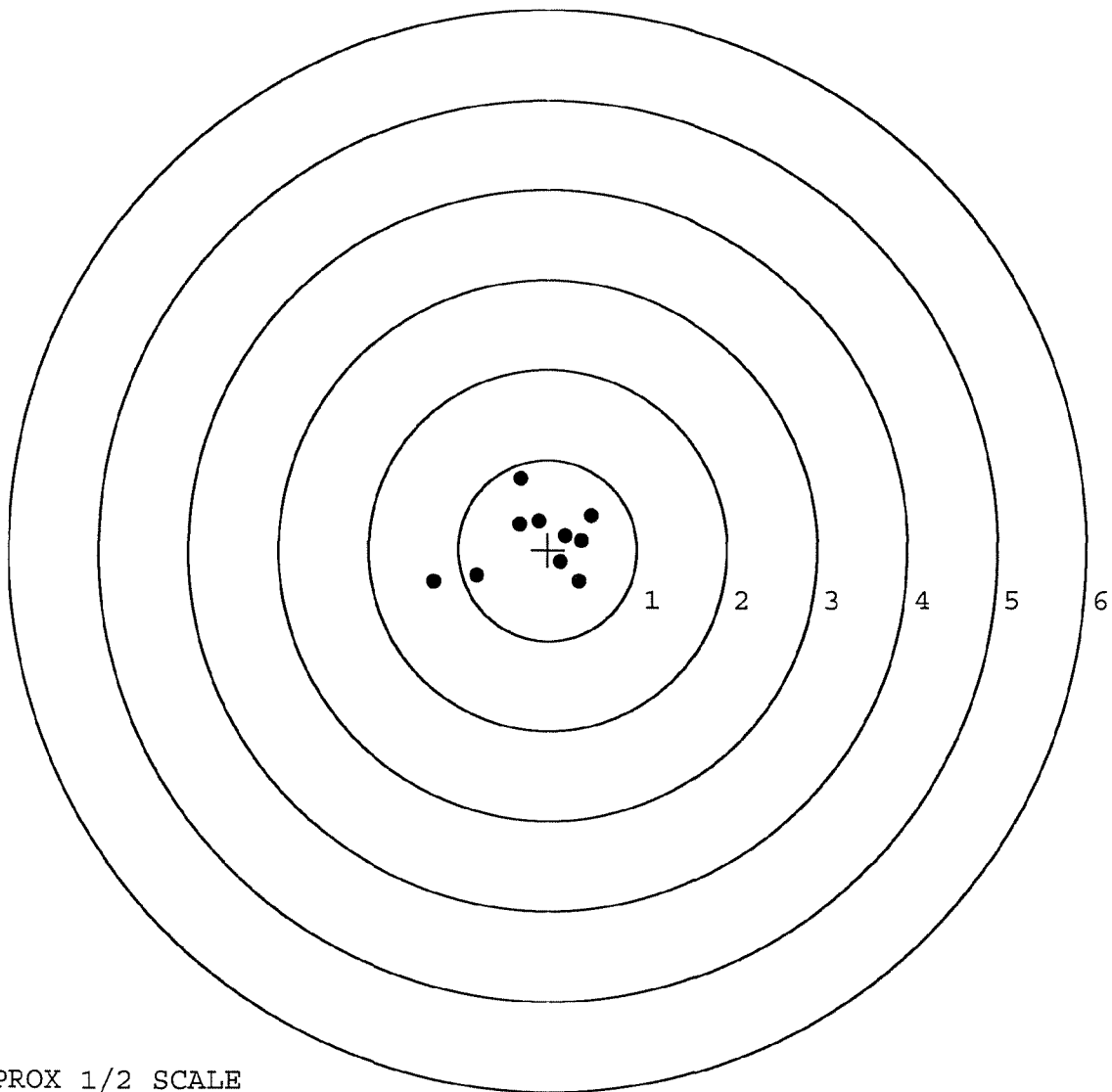
TARGET APPROX 1/2 SCALE

BARBER - M24 0063516

SERIAL NUMBER: C6348269. __0
 TARGET NUMBER: 3
 FILE DATE: 10/01/2007
 FILE TIME: 09:22

POINT#	X	Y
1:	-1.274	-0.359
2:	-0.798	-0.290
3:	-0.311	0.787
4:	-0.321	0.284
5:	-0.112	0.318
6:	0.485	0.379
7:	0.348	-0.350
8:	0.368	0.105
9:	0.189	0.159
10:	0.143	-0.135

X CENTROID: -0.128
 Y CENTROID: 0.090
 POA TO CENTROID: 0.157
 HORZ SPREAD: 1.759
 VERT SPREAD: 1.146
 GROUP SPREAD: 1.908
 MIN RADIUS: 0.229
 MAX RADIUS: 1.230
 MEAN RADIUS: 0.572
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



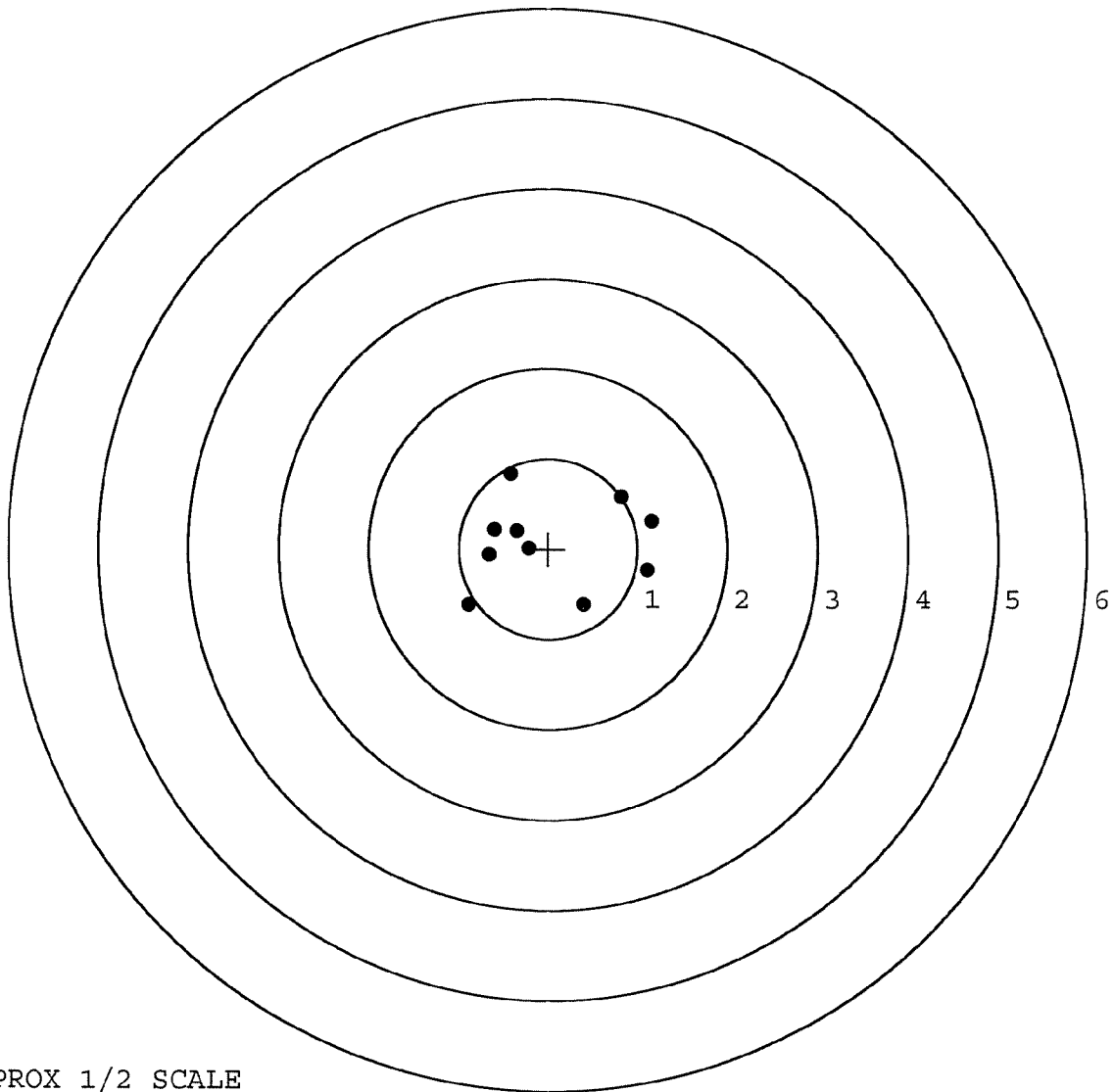
TARGET APPROX 1/2 SCALE

BARBER - M24 0063517

SERIAL NUMBER: C6348269. __0
TARGET NUMBER: 4
FILE DATE: 10/01/2007
FILE TIME: 09:22

POINT#	X	Y
1:	0.816	0.582
2:	1.160	0.316
3:	1.112	-0.237
4:	0.398	-0.614
5:	-0.893	-0.624
6:	-0.424	0.828
7:	-0.359	0.202
8:	-0.223	0.008
9:	-0.666	-0.069
10:	-0.601	0.214

X CENTROID: 0.032
Y CENTROID: 0.061
POA TO CENTROID: 0.069
HORZ SPREAD: 2.053
VERT SPREAD: 1.452
GROUP SPREAD: 2.258
MIN RADIUS: 0.260
MAX RADIUS: 1.157
MEAN RADIUS: 0.807
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



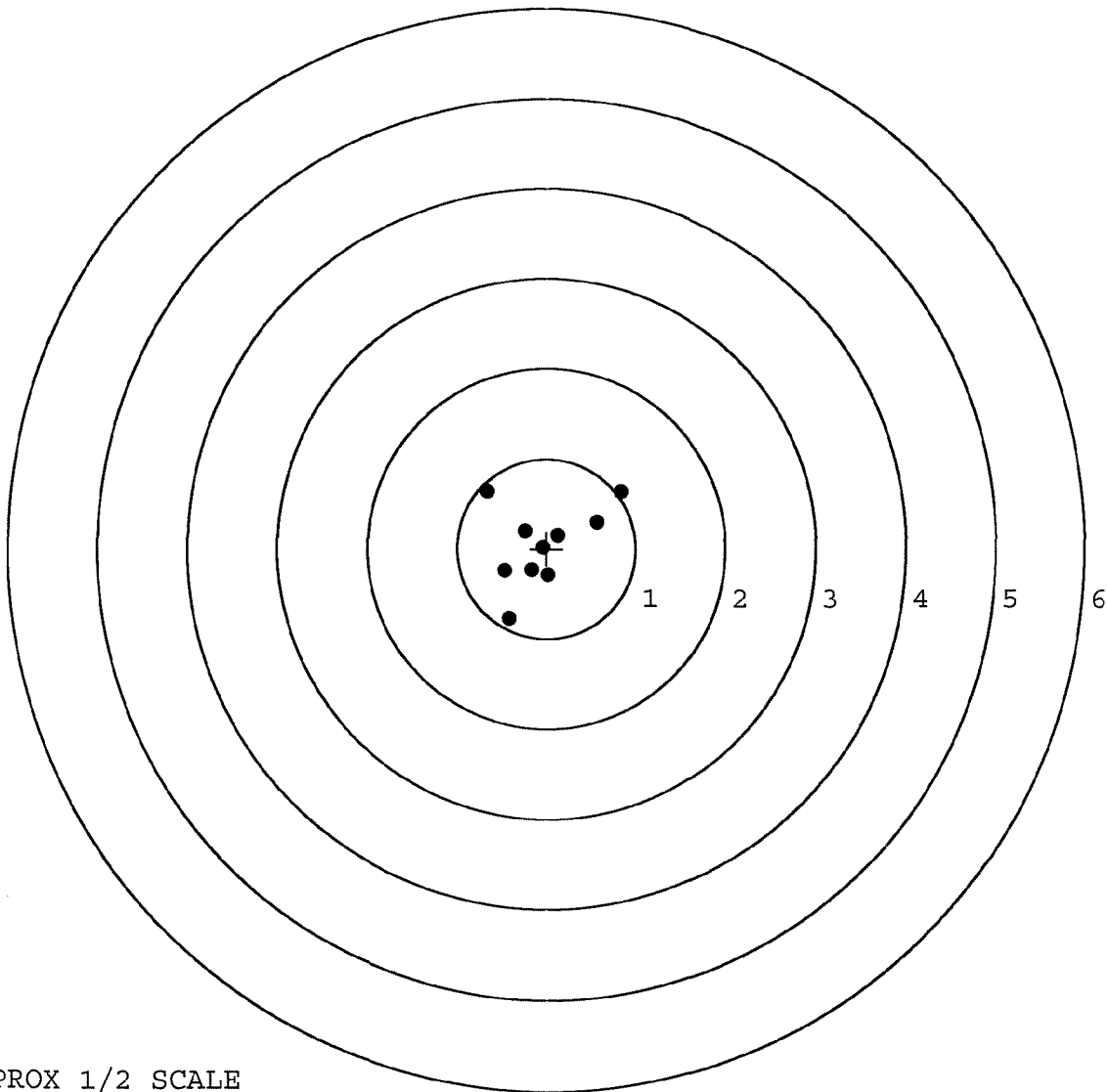
TARGET APPROX 1/2 SCALE

BARBER - M24 0063518

SERIAL NUMBER: C6348269. __0
TARGET NUMBER: 5
FILE DATE: 10/01/2007
FILE TIME: 09:22

POINT#	X	Y
1:	-0.424	-0.785
2:	-0.467	-0.252
3:	0.019	-0.297
4:	-0.169	-0.244
5:	0.125	0.153
6:	-0.045	0.017
7:	-0.249	0.194
8:	-0.666	0.636
9:	0.564	0.297
10:	0.839	0.639

X CENTROID: -0.047
Y CENTROID: 0.036
POA TO CENTROID: 0.059
HORZ SPREAD: 1.505
VERT SPREAD: 1.424
GROUP SPREAD: 1.903
MIN RADIUS: 0.019
MAX RADIUS: 1.072
MEAN RADIUS: 0.514
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER

131883

SERIAL NUMBER

C6348269

LOG-IN DATE

7-3007

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-12-07	KJZ
505	RE-BARREL	9-14-07	KJZ
560	ASSEMBLE	9-14-07	KJZ
600	PROOF	9-14-07	non
605	CHECK HEADSPACE	9-14-07	non
610	DIS-ASSEMBLE GUN	9-17-07	TRW
612	MAGNAFLUX	9-18-07	NRB
510	DRILL AND TAP	9-17-07	TRW
615	ROLLMARK CALIBER	9-17-07	CW
618	ROTO-BLAST	9-18-07	LS
620	APPLY COATINGS	9-21-07	TR
625	FINAL ASSEMBLY	9-21-07	KJZ
640	FUNCTION TEST AND	9-28-07	non
650	TARGET	9-28-07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10/2/07	non
	A) HEADSPACE	10/2/07	non
	B) TRIGGER PULL	2.65 2.40 2.36 2.42 2.15 10/11/07	non
680	F) SAFETY ON FORCE	4.25 4.0 3.75 10/6/07	non
	G) SAFETY OFF FORCE	4.25 3.25 3.25 10/6/07	non
	I) FIRING PIN INDENT	.001 .001 .002 10/2/07	non
690	PACK	10-4-07	DA