

C6587596

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

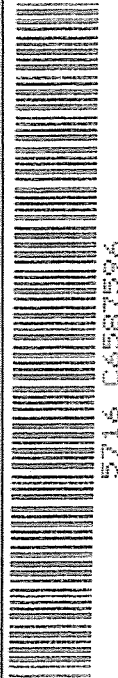
MODEL 700™ M24

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

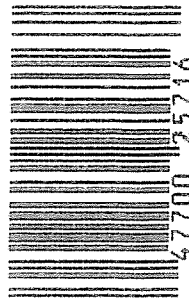
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO. 06587596	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587596

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KV
600	Proof		10/22/90	KV
607	Check Headspace		10/22/90	KV
610	Dis-assemble Gun		10/22/90	KV
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes		10/25/90	WB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/14/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/14/90	KS
	C) Inspect Ejector Hole for Chamfer		11/16/90	KS
	D) Oil Firing Pin Ass'y		11/16/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/4/90	JS

BARBER M24 0023408		READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	12/4/90	WB		
	G) Safety Off Force	2 3/4	2 3/4	2 3/4	12/4/90	WB		
	H) Trigger Pull Test & Retainability				12/4/90	KS		
	I) Firing Pin Indent	.021	.021	.021	12/4/90	WB		
	J) Assemble Stock				12/4/90	KS		
	K) Assemble Swivel Studs				12-8-90	KS		
	L) Attach Front and Rear Sight Assemblies				12/4/90	KS		
	M) Iron Sight Alignment				12/4/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				12/4/90	KS		
	O) Attach Scope to Rifle				12/4/90	KS		
	P) Detach & Attach Scope 20 Times				12/4/90	KS		
640	Gallery Target & Test				12/4/90	KS		
	A) Time				-	KS		
	B) Malfunctions				-	KS		
	C) Pierced Primers				-	KS		
	D) Optical Clarity of Scope				-	KS		
645	Inspect for Live Ammo				12/4/90	KS		
655	Final Inspection							
	A) Headspace				12-8-90	KS		
	B) Trigger Pull	236	219	224	229	230	12-8-90	KS
	C) Function						12-8-90	KS
660	Pack						12-7-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. Q6587596

DATE 12/4/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.27	2.34	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.28	2.35	2.19	
PULL #3	2.42	2.30	2.36	2.24	
PULL #4	2.29	2.30	2.38	2.29	
PULL #5	2.25	2.34	2.32	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.41		
PULL #2	3.35	3.42		
PULL #3	3.35	3.29		
PULL #4	3.38	3.41		
PULL #5	3.40	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.44		4.49
PULL #2	4.15	4.49		4.25
PULL #3	4.42	4.41		4.26
PULL #4	4.40	4.46		4.25
PULL #5	4.33	4.49		4.16
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587596
5 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.267152
1 TO	2	.392659
1 TO	3	.579855
1 TO	4	.182016
1 TO	5	.190276

$\frac{3}{15}$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .21
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1344
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .249326
THE AMR FOR THIS RIFLE IS: .9706

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587596

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 1.252

VS= 3.264

GS= 3.265

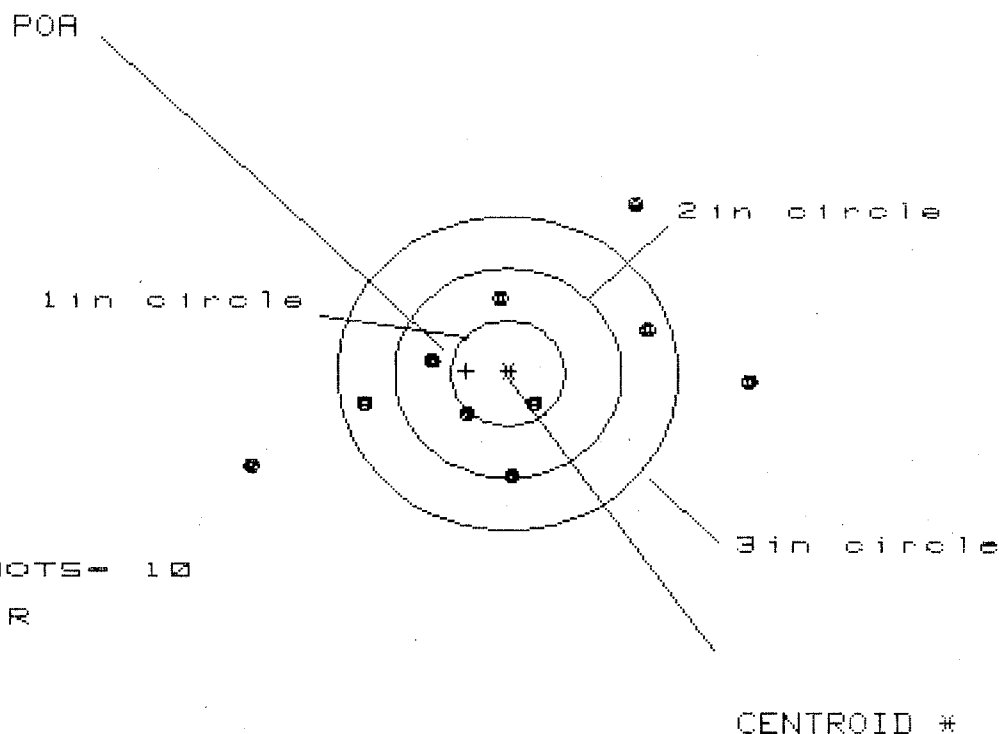
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.623	.630	.629
MINIMUM X	:	-.629	-.622	-.623
MAXIMUM Y	:	1.857	1.107	.957
MINIMUM Y	:	-1.407	-1.201	-1.308
CENTROID X	:	.057	.050	.051
CENTROID Y	:	-.261	-.467	-.317
POA TO CENTROID in.	:	.267	.470	.321
MIN RADIUS	:	.175	.356	.223
MEAN RADIUS	:	.953	.869	.793
MAX RADIUS	:	1.858	1.270	1.324
HORIZONTAL SPREAD	:	1.252	1.252	1.252
VERTICAL SPREAD	:	3.264	2.308	2.265
EXTREME SPREAD	:	3.265	2.388	2.303
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587596

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 4.323

VS = 2.557

GS = 4.387

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.086	1.838	1.220
MINIMUM X	:	-2.237	-1.546	-1.317
MAXIMUM Y	:	1.583	1.487	1.461
MINIMUM Y	:	-.975	-1.070	-1.096
CENTROID X	:	.367	.615	.386
CENTROID Y	:	-.020	.075	.101
POA TO CENTROID in.	:	.367	.620	.399
MIN RADIUS	:	.310	.344	.404
MEAN RADIUS	:	1.233	1.122	.992
MAX RADIUS	:	2.396	1.849	1.844
HORIZONTAL SPREAD	:	4.323	3.384	2.537
VERTICAL SPREAD	:	2.557	2.557	2.557
EXTREME SPREAD	:	4.387	3.389	3.084
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587596

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 3.453

VS = 2.282

GS = 3.469

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.015	1.674	1.522
MINIMUM X	:	-1.438	-1.214	-.785
MAXIMUM Y	:	.858	.815	.720
MINIMUM Y	:	-1.424	-1.467	-1.562
CENTROID X	:	.183	-.041	.111
CENTROID Y	:	.305	.348	.443
POA TO CENTROID in.	:	.356	.350	.457
MIN RADIUS	:	.218	.153	.072
MEAN RADIUS	:	1.094	.955	.859
MAX RADIUS	:	2.052	1.702	1.613
HORIZONTAL SPREAD	:	3.453	2.888	2.307
VERTICAL SPREAD	:	2.282	2.282	2.282
EXTREME SPREAD	:	3.469	3.079	2.618
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587596

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.638

VS= 3.296

GS= 3.681

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.088	.625	.571
MINIMUM X	:	-.550	-.429	-.331
MAXIMUM Y	:	1.920	1.166	1.021
MINIMUM Y	:	-1.376	-1.163	-.754
CENTROID X	:	.220	.099	.153
CENTROID Y	:	-.342	-.555	-.410
POA TO CENTROID in.	:	.407	.564	.438
MIN RADIUS	:	.227	.312	.297
MEAN RADIUS	:	.815	.634	.548
MAX RADIUS	:	2.207	1.239	1.021
HORIZONTAL SPREAD	:	1.638	1.054	.902
VERTICAL SPREAD	:	3.296	2.329	1.775
EXTREME SPREAD	:	3.681	2.380	1.790
NUMBER IN ONE INCH CIRCLE =	:		3	
NUMBER IN TWO INCH CIRCLE =	:		8	

BARBER - M24 0023415

NUMBER IN THREE INCH CIRCLE =

9

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0023415 **M2400923454**

5 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587596

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.152

VS= 1.534

GS= 2.181

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.298	1.012	.721
MINIMUM X	:	-.854	-.710	-.584
MAXIMUM Y	:	.817	.750	.829
MINIMUM Y	:	-.717	-.784	-.705
CENTROID X	:	.223	.079	-.048
CENTROID Y	:	-.354	-.287	-.366
POA TO CENTROID in.	:	.418	.297	.369
MIN RADIUS	:	.170	.011	.145
MEAN RADIUS	:	.758	.638	.572
MAX RADIUS	:	1.432	1.194	1.098
HORIZONTAL SPREAD	:	2.152	1.722	1.304
VERTICAL SPREAD	:	1.534	1.534	1.534
EXTREME SPREAD	:	2.181	2.157	1.952
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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: RE00133028

Serial: C6587596 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status: Closed 8/22/2007 7:13:22 AM

Verify Repair

High Priority

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK PO Box:

BLDG 299 GILLESPIE AVE BECK PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

8/22/2007

7:54 AM

C&PS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...



7:54 AM

Serial Number: C6587596

Model: M24 SWS



RE00133028

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587596.___0
FILE DATE AND TIME: 11/30/2007 11:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.025
The Average Y Centroid of the Five Target Set:	-0.023
The Average Point of Impact of the Five Target Set:	0.034
The Average Mean Radius of the Five Target Set:	0.640
The Distance from POA to Centroid Target #1:	0.051
The Distance from Centroid Target #2 to Centroid Target #1:	0.137
The Distance from Centroid Target #3 to Centroid Target #1:	0.111
The Distance from Centroid Target #4 to Centroid Target #1:	0.143
The Distance from Centroid Target #5 to Centroid Target #1:	0.176

BARBER - M24 0023419

SERIAL NUMBER: C6587596. __0

TARGET NUMBER: 1

FILE DATE: 11/30/2007

FILE TIME: 11:18

POINT#	X	Y
1:	1.055	-0.099
2:	0.945	0.881
3:	0.158	0.884
4:	0.829	-1.010
5:	0.009	-0.420
6:	-0.221	-0.033
7:	-0.446	0.209
8:	-0.691	0.482
9:	-0.916	0.465
10:	-0.543	-0.878

X CENTROID: 0.018

Y CENTROID: 0.048

POA TO CENTROID: 0.051

HORZ SPREAD: 1.971

VERT SPREAD: 1.894

GROUP SPREAD: 2.285

MIN RADIUS: 0.252

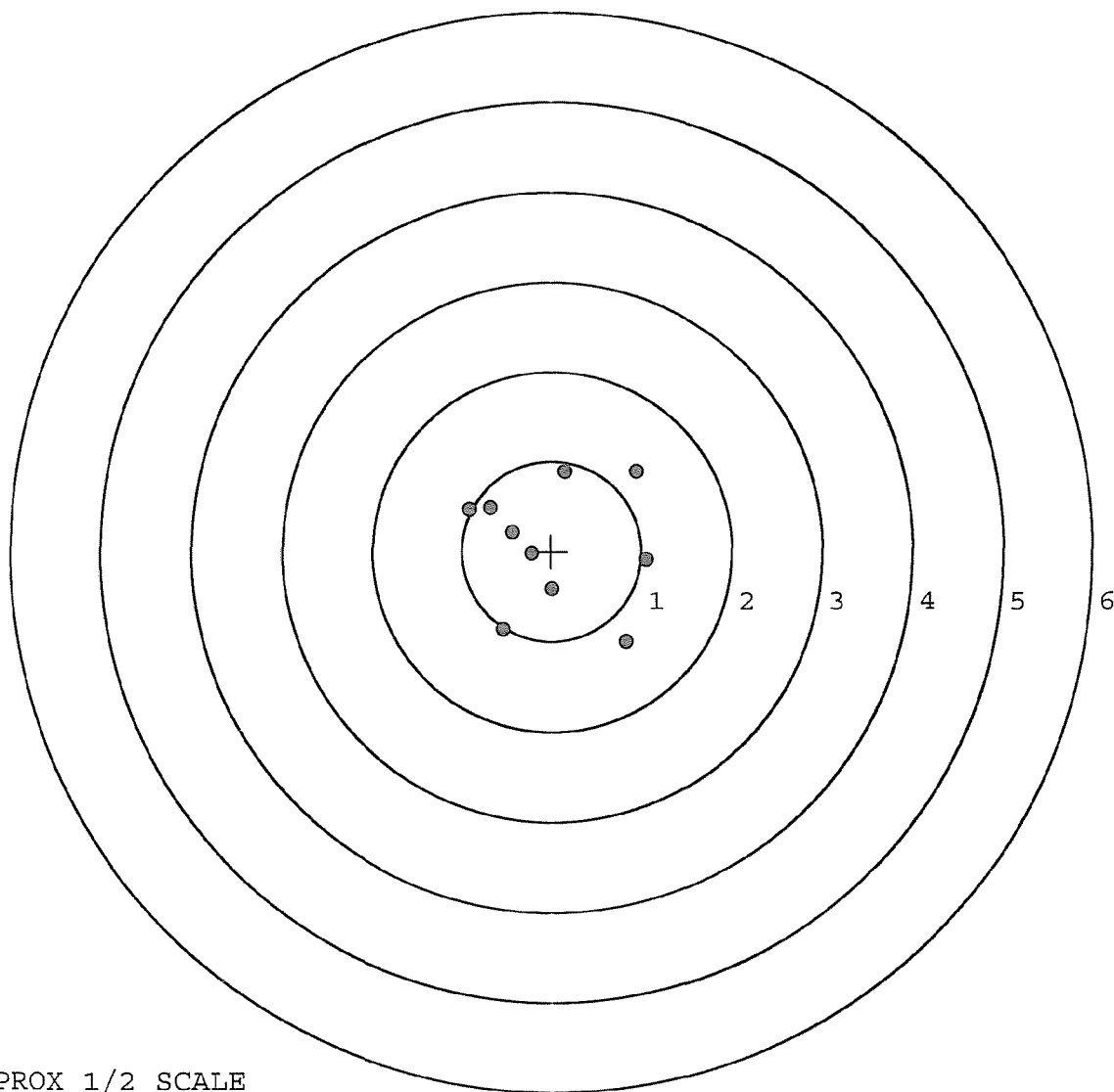
MAX RADIUS: 1.333

MEAN RADIUS: 0.862

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023420

SERIAL NUMBER: C6587596. __0

TARGET NUMBER: 2

FILE DATE: 11/30/2007

FILE TIME: 11:18

POINT#	X	Y
1:	1.194	-0.557
2:	0.697	-0.559
3:	0.063	-0.845
4:	0.420	0.312
5:	-0.222	0.945
6:	-1.243	-0.181
7:	-0.587	-0.047
8:	-0.165	0.137
9:	0.105	0.038
10:	-0.082	-0.132

X CENTROID: 0.018

Y CENTROID: -0.089

POA TO CENTROID: 0.091

HORZ SPREAD: 2.437

VERT SPREAD: 1.790

GROUP SPREAD: 2.466

MIN RADIUS: 0.109

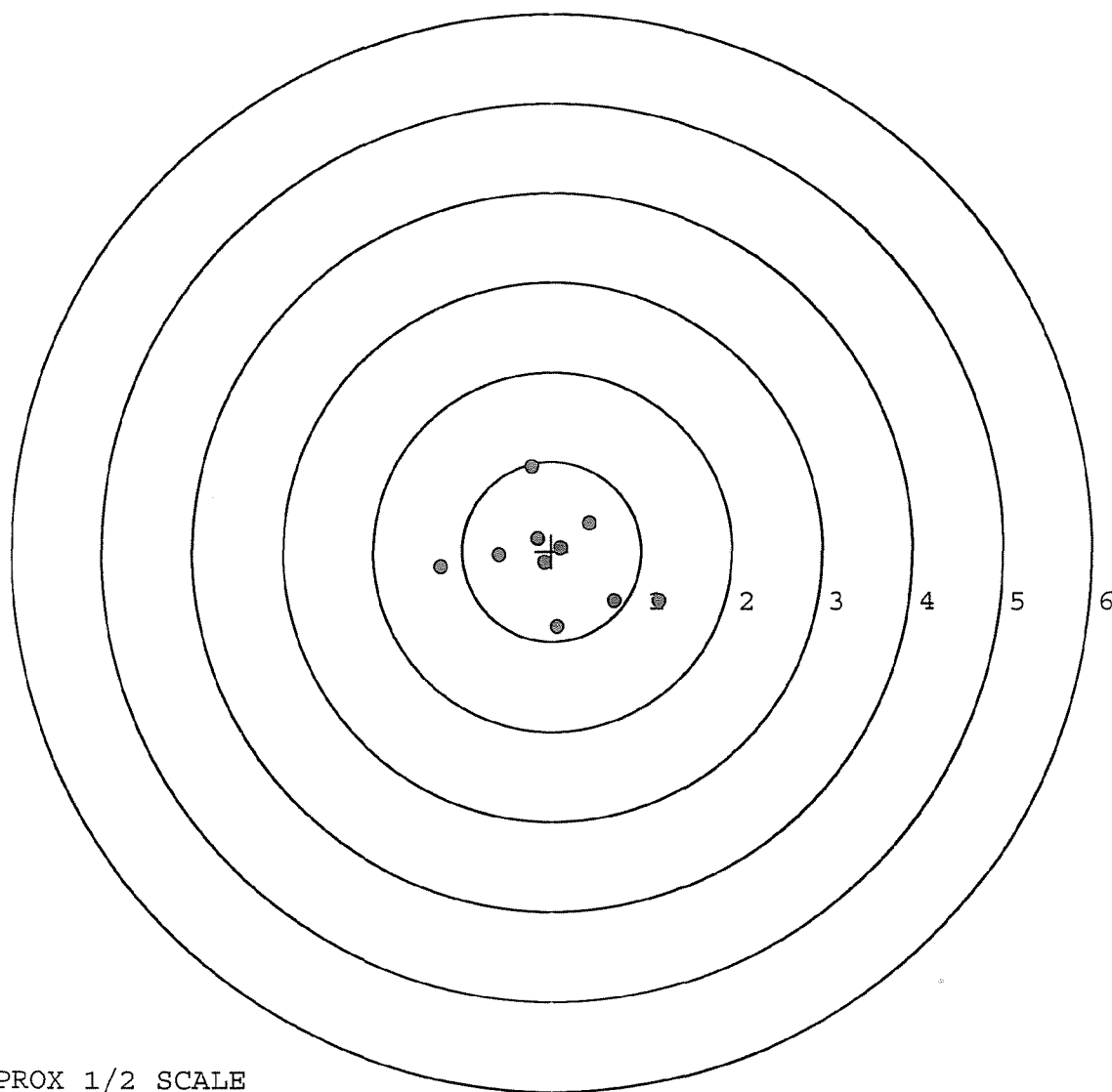
MAX RADIUS: 1.266

MEAN RADIUS: 0.690

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023421

SERIAL NUMBER: C6587596. __0

TARGET NUMBER: 3

FILE DATE: 11/30/2007

FILE TIME: 11:18

X CENTROID: -0.078

Y CENTROID: 0.104

POA TO CENTROID: 0.130

HORZ SPREAD: 1.058

VERT SPREAD: 2.040

GROUP SPREAD: 2.182

MIN RADIUS: 0.126

MAX RADIUS: 1.248

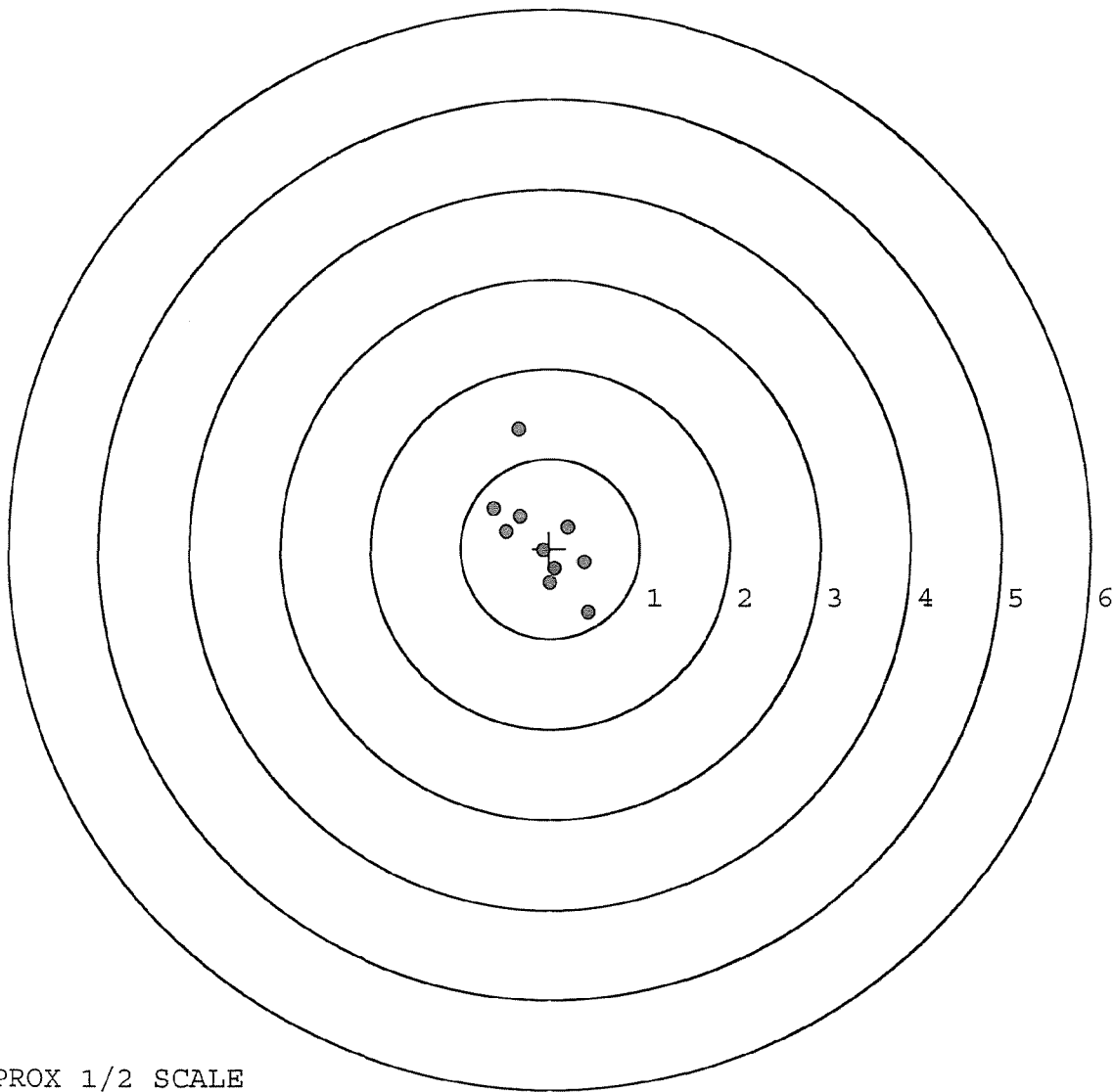
MEAN RADIUS: 0.549

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.427	-0.717
2:	-0.347	1.323
3:	-0.631	0.445
4:	-0.488	0.190
5:	-0.337	0.359
6:	0.206	0.239
7:	0.388	-0.154
8:	-0.073	-0.022
9:	0.008	-0.393
10:	0.063	-0.232



TARGET APPROX 1/2 SCALE

BARBER - M24 0023422

SERIAL NUMBER: C6587596. __0

TARGET NUMBER: 4

FILE DATE: 11/30/2007

FILE TIME: 11:18

POINT#	X	Y
1:	0.308	0.677
2:	0.370	0.334
3:	-0.302	0.354
4:	-1.078	-0.075
5:	-0.685	-0.283
6:	0.277	-0.112
7:	-0.218	-0.088
8:	-0.066	-0.373
9:	0.376	-0.480
10:	0.174	-0.468

X CENTROID: -0.084

Y CENTROID: -0.051

POA TO CENTROID: 0.099

HORZ SPREAD: 1.454

VERT SPREAD: 1.157

GROUP SPREAD: 1.577

MIN RADIUS: 0.139

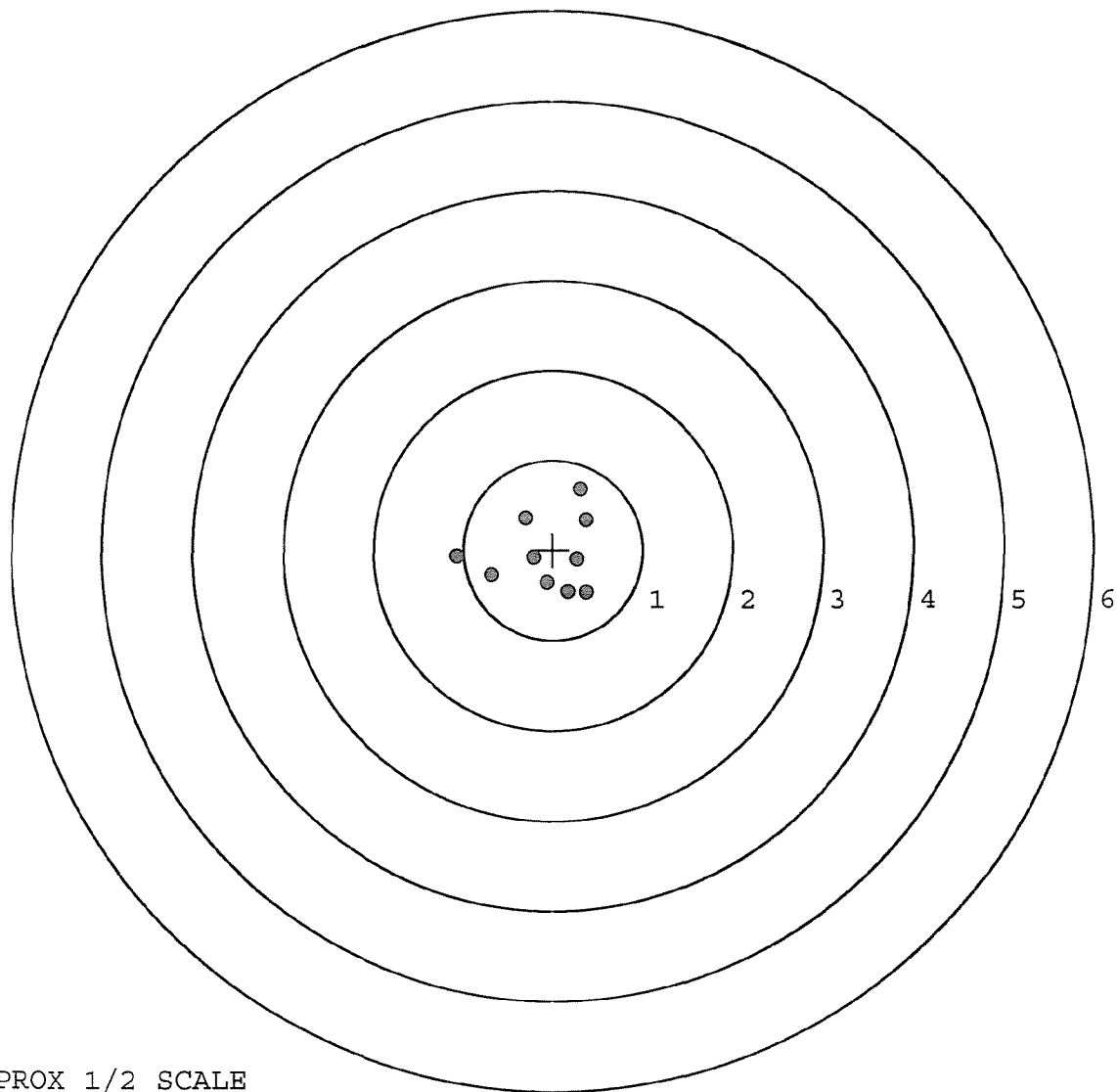
MAX RADIUS: 0.994

MEAN RADIUS: 0.547

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023423

SERIAL NUMBER: C6587596. __0

TARGET NUMBER: 5

FILE DATE: 11/30/2007

FILE TIME: 11:18

POINT#	X	Y
1:	0.855	-0.041
2:	0.408	0.385
3:	-0.364	0.495
4:	-0.563	-0.029
5:	-0.716	-0.686
6:	-0.389	-0.593
7:	0.274	-0.457
8:	0.355	-0.294
9:	0.106	-0.184
10:	0.041	0.137

X CENTROID: 0.001

Y CENTROID: -0.127

POA TO CENTROID: 0.127

HORZ SPREAD: 1.571

VERT SPREAD: 1.181

GROUP SPREAD: 1.698

MIN RADIUS: 0.120

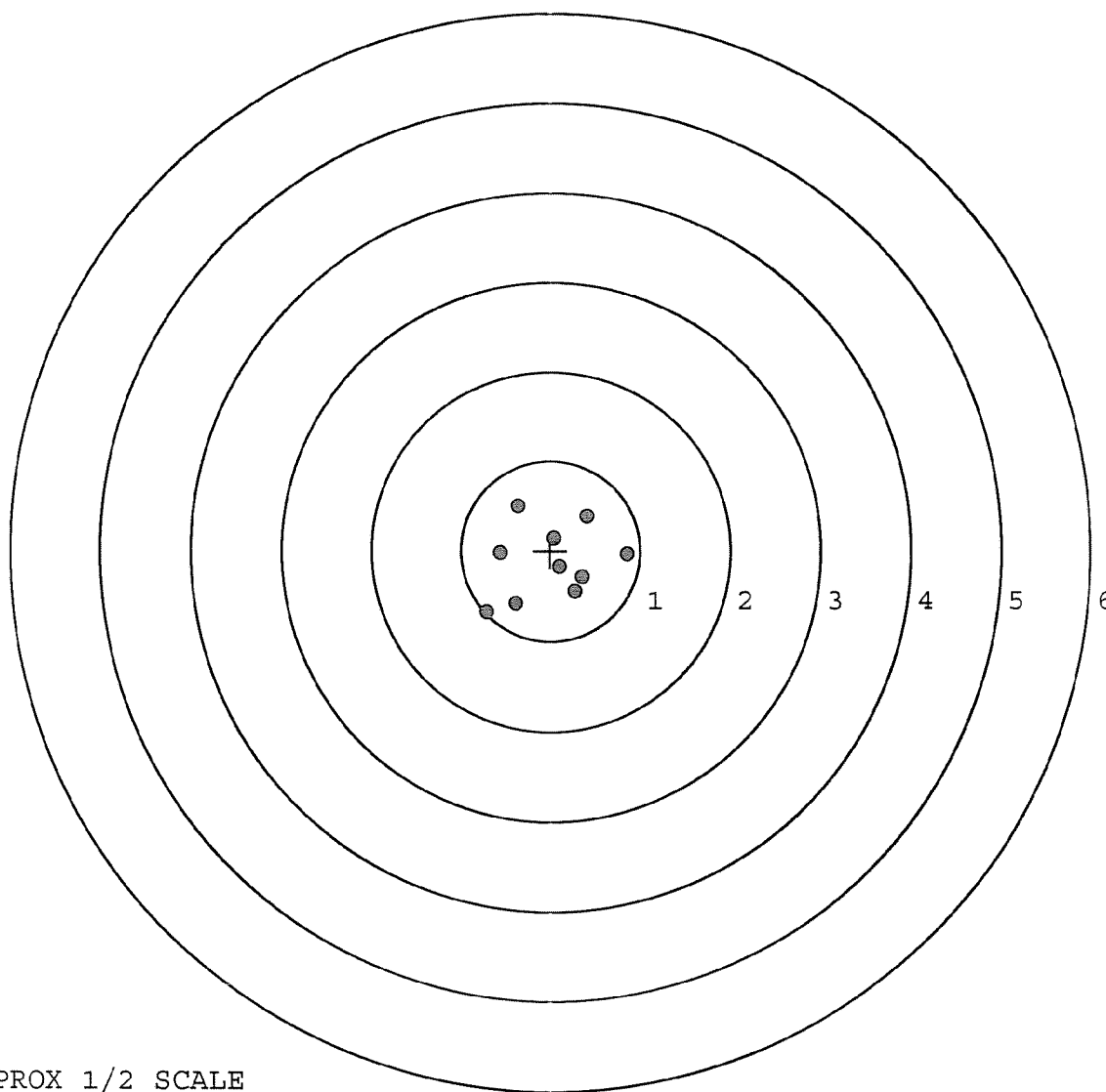
MAX RADIUS: 0.909

MEAN RADIUS: 0.553

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0023424

 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)

 DATE 11-6-07

 TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.47	2.53		2.59	
PULL #2	2.31	2.41		2.58	
PULL #3	2.38	2.27		2.60	
PULL #4	2.36	2.16		2.60	
PULL #5	2.21	2.43		2.47	
TOTAL	11.73	11.80		12.84	
AVERAGE	2.34	2.36		2.56	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.45		
PULL #2	3.45	3.37		
PULL #3	3.24	3.36		
PULL #4	3.39	3.35		
PULL #5	3.44	3.31		
TOTAL	16.84	16.84		
AVERAGE	3.36	3.36		

	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	4.66	4.34		4.65
PULL #2	4.50	4.45		4.56
PULL #3	4.54	4.42		4.68
PULL #4	4.55	4.41		4.75
PULL #5	4.31	4.62		4.62
TOTAL	22.58	22.20 22.24 TRW		23.26
AVERAGE	4.51	4.44		4.65

R & E NUMBER	133028		
SERIAL NUMBER	C6587596		
LOG-IN DATE	8-22-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-6-07	RTZ
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF	11-7-07	TRW
605	CHECK HEADSPACE	11-7-07	TRW
610	DIS-ASSEMBLE GUN	11-8-07	RTZ
612	MAGNAFLUX	11-14-07	JB
510	DRILL AND TAP	11-8-07	SD
615	ROLLMARK CALIBER	11-3-07	CW
618	ROTO-BLAST	11-14-07	YJ
620	APPLY COATINGS	11/07/07	RTZ
625	FINAL ASSEMBLY	11-28-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	11-29-07 TRW
650	TARGET	PASS FAIL	11-29-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	11-29-07 J.P.D.
670	FINAL INSPECTION		11-29-07 RTZ
	A) HEADSPACE	PASS FAIL	11-29-07 RTZ
	B) TRIGGER PULL	224 228 228 234 228	11-29-07 DA
680	F) SAFETY ON FORCE	55 50 50	11/29/07 DA
	G) SAFETY OFF FORCE	35 30 30	11/29/07 DA
	I) FIRING PIN INDENT	.022 .022 .023	11/29/07 DA
690	PACK		11-3-07 DA