

06523483

MODEL 700TM M24

Model **5M5**TM

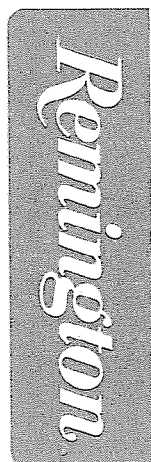
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead[®]

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: **RE00091848** Serial: C6523483 Model M24 SWS Center Fire Caliber 7.62 NATO BARREL and RECEIVER Repairman: Status: Closed 1/25/2005 2:17:50 PM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From:

Name: **IL ARMY NATIONAL GUARD** **IL ARMY NATIONAL GUARD**

Address 1: **1301 N MCARTHER BLVD** **1301 N MCARTHER BLVD**

Address 2: PO Box: PO Box:

City: **SPRINGFIELD** **SPRINGFIELD**

State: **IL** Zip Code: **62702** Country: **US** State: **IL** Zip Code: **62702** 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
A013	Barrel Only	1
A014	Receiver Only	1

Repair Search Refresh Close

negletj 1/25/2005 2:32 PM CAPS NUM INS SCPL

start 4 3 3 3

Serial Number: **C6523483**

Model: **M24 SWS**



RE00091848

BARBER - M24 0028864
 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 3-1-05

TESTER TRL

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.64	2.57		2.43	
PULL #2	2.42	2.59		2.35	
PULL #3	2.23	2.35		2.34	
PULL #4	2.40	2.28		2.74	
PULL #5	2.51	2.33		2.25	
TOTAL	12.20	12.12		12.11	
AVERAGE	2.44	2.42		2.42	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.19		
PULL #2	3.08	3.59		
PULL #3	3.10	3.20		
PULL #4	3.10	3.20		
PULL #5	3.03	3.24		
TOTAL	15.47	16.42		
AVERAGE	3.09	3.28		

	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	4.40	4.15		4.17
PULL #2	4.40	4.20		4.13
PULL #3	4.37	4.18		4.26
PULL #4	4.37	4.19		4.22
PULL #5	4.33	4.18		4.20
TOTAL	21.87	20.90		20.98
AVERAGE	4.37	4.18		4.19

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523483.___0
FILE DATE AND TIME: 03/03/2005 06:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.011
The Average Y Centroid of the Five Target Set:	0.029
The Average Point of Impact of the Five Target Set:	0.031
The Average Mean Radius of the Five Target Set:	0.828
The Distance from POA to Centroid Target #1:	0.163
The Distance from Centroid Target #2 to Centroid Target #1:	0.109
The Distance from Centroid Target #3 to Centroid Target #1:	0.512
The Distance from Centroid Target #4 to Centroid Target #1:	0.364
The Distance from Centroid Target #5 to Centroid Target #1:	0.222

SERIAL NUMBER: C6523483. __0

TARGET NUMBER: 1

FILE DATE: 03/03/2005

FILE TIME: 06:19

X CENTROID: -0.154

Y CENTROID: -0.052

POA TO CENTROID: 0.163

HORZ SPREAD: 2.180

VERT SPREAD: 1.145

GROUP SPREAD: 2.203

MIN RADIUS: 0.163

MAX RADIUS: 1.596

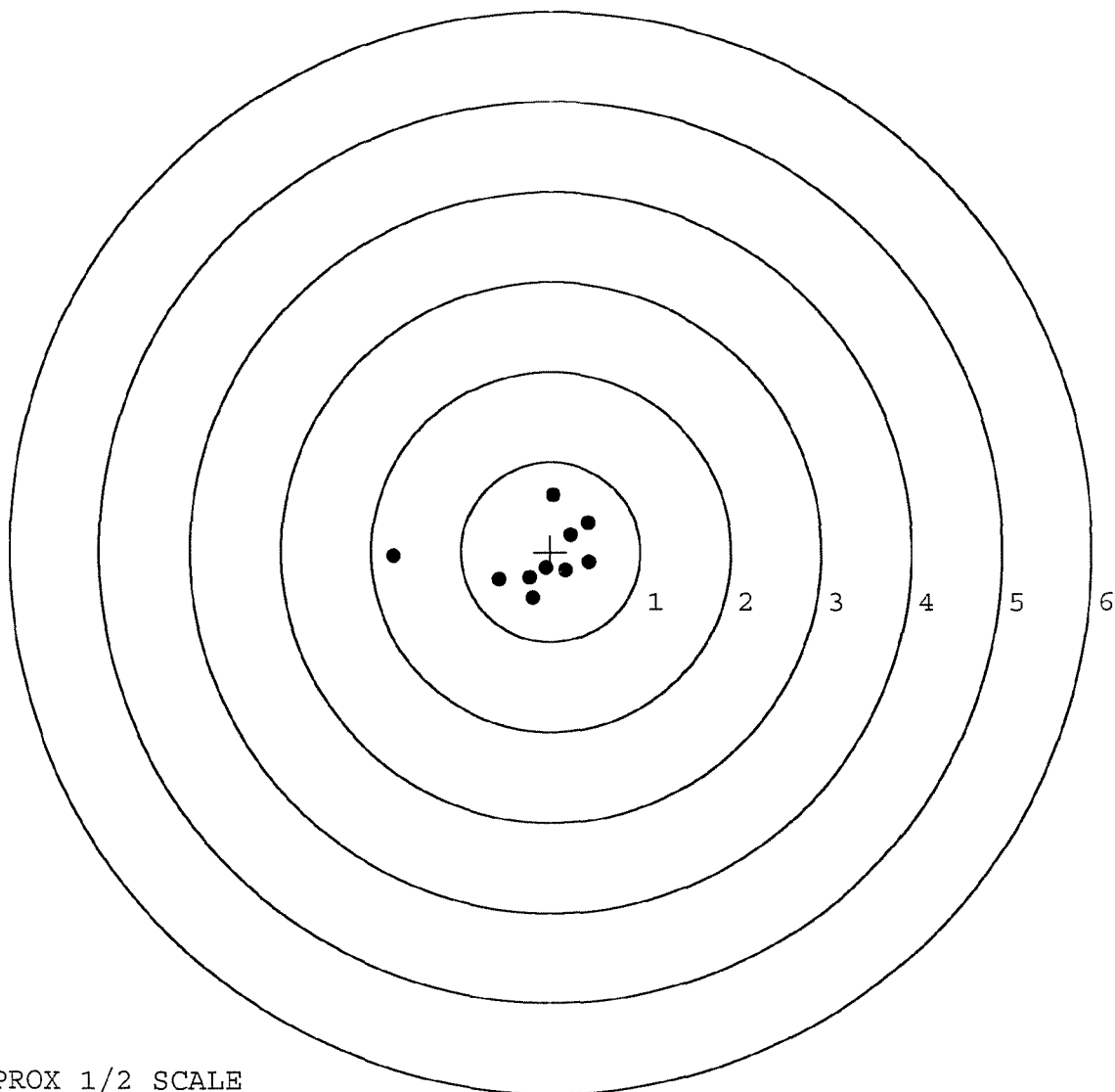
MEAN RADIUS: 0.577

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.750	-0.052
2:	-0.578	-0.311
3:	-0.205	-0.517
4:	-0.054	-0.181
5:	-0.235	-0.290
6:	0.430	-0.110
7:	0.170	-0.209
8:	0.420	0.330
9:	0.229	0.188
10:	0.031	0.628



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523483. __0

TARGET NUMBER: 2

FILE DATE: 03/03/2005

FILE TIME: 06:19

POINT#	X	Y
1:	0.079	-0.986
2:	-0.093	-0.947
3:	-0.364	-0.673
4:	-0.710	-0.213
5:	-0.994	-0.142
6:	-0.085	-0.229
7:	0.703	0.567
8:	0.500	0.781
9:	0.370	0.552
10:	0.138	0.705

X CENTROID: -0.046

Y CENTROID: -0.059

POA TO CENTROID: 0.074

HORZ SPREAD: 1.697

VERT SPREAD: 1.767

GROUP SPREAD: 1.827

MIN RADIUS: 0.175

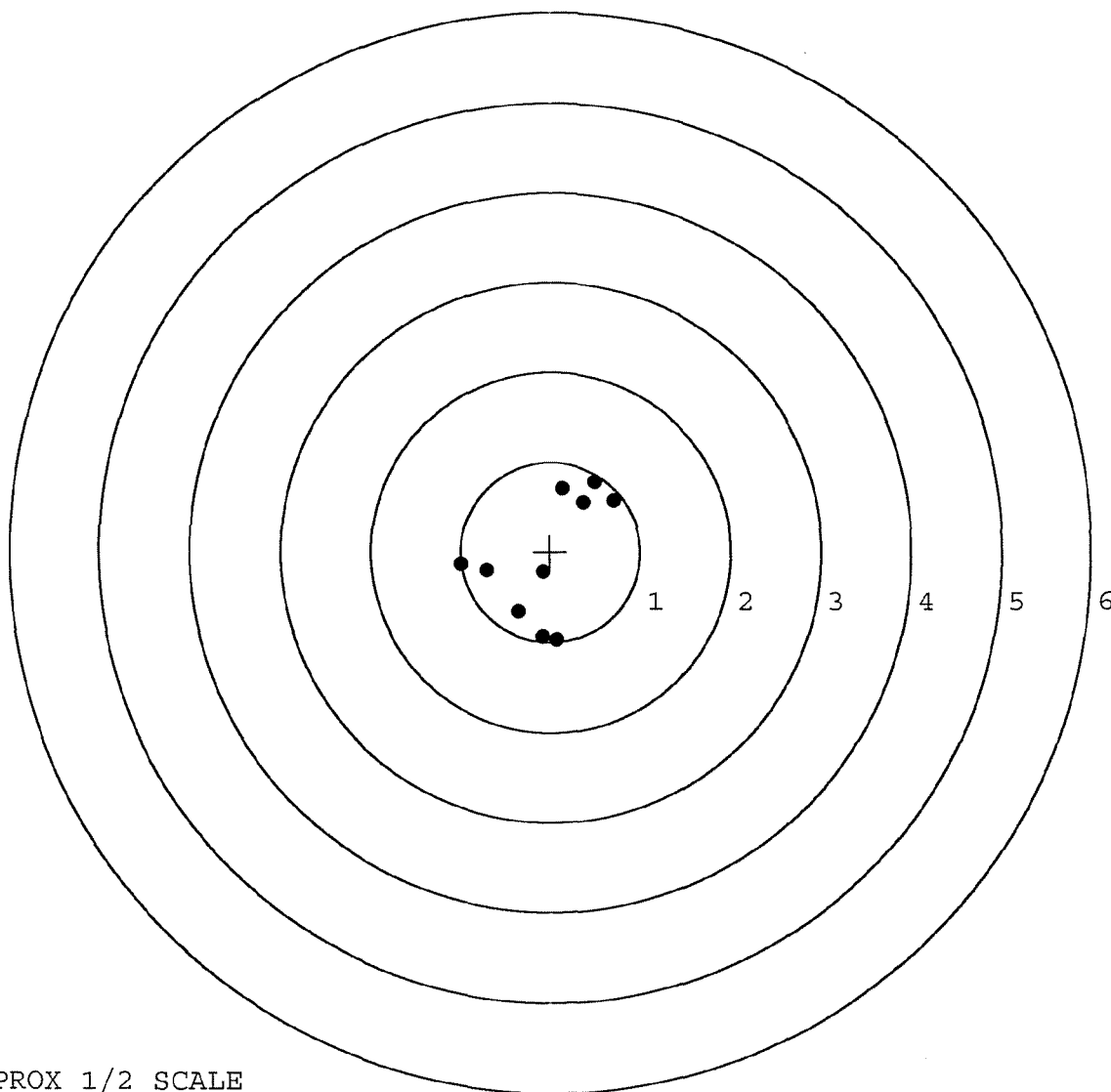
MAX RADIUS: 1.001

MEAN RADIUS: 0.783

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523483. __0

TARGET NUMBER: 3

FILE DATE: 03/03/2005

FILE TIME: 06:19

POINT#	X	Y
1:	1.423	0.102
2:	0.619	0.701
3:	0.958	1.904
4:	0.191	1.981
5:	0.260	-0.621
6:	0.168	-0.284
7:	-0.052	0.022
8:	-0.050	0.439
9:	-0.050	0.439
10:	-1.248	-0.584
11:	-1.297	0.313

X CENTROID: 0.084

Y CENTROID: 0.401

POA TO CENTROID: 0.410

HORZ SPREAD: 2.720

VERT SPREAD: 2.602

GROUP SPREAD: 3.325

MIN RADIUS: 0.139

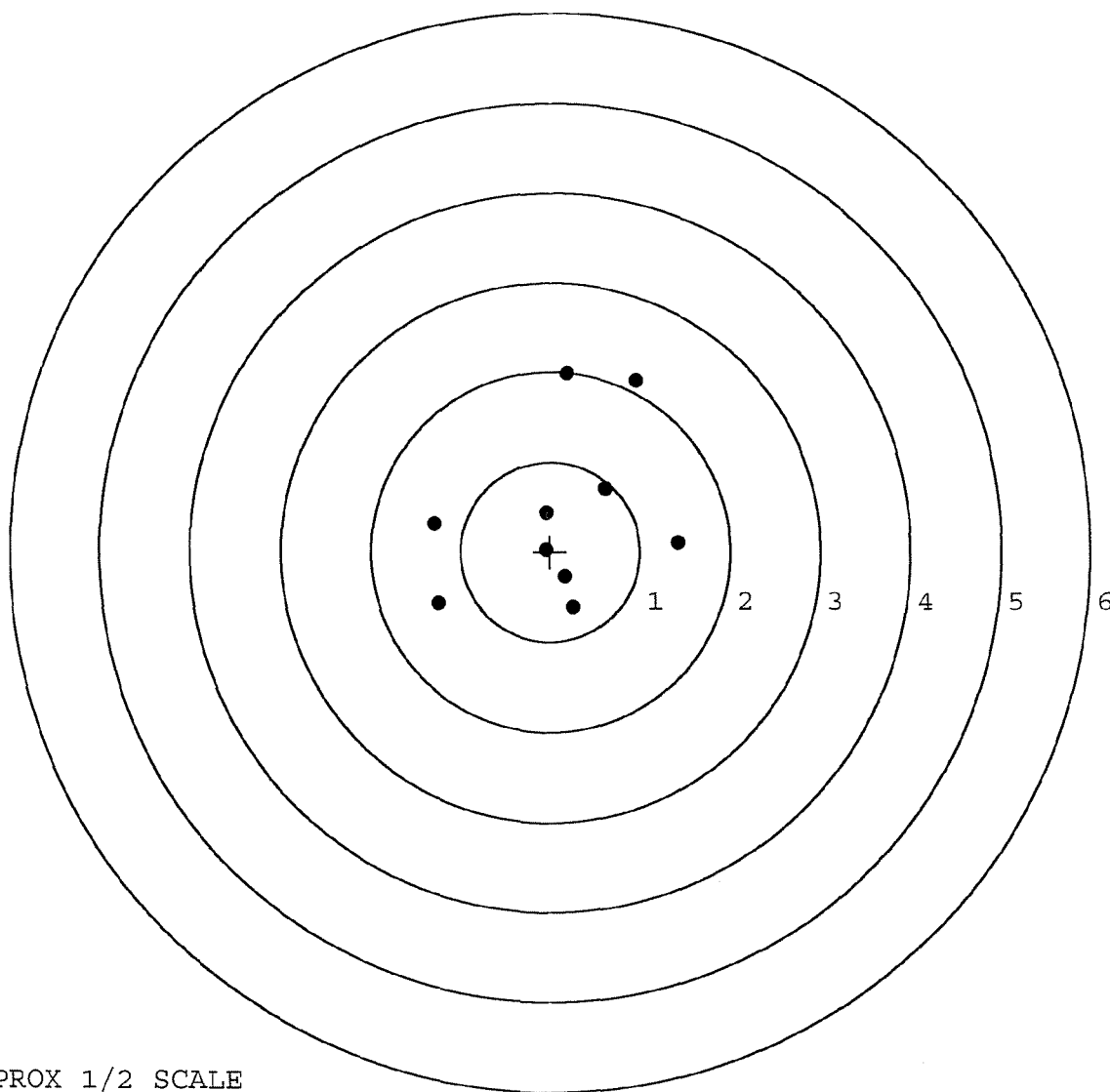
MAX RADIUS: 1.739

MEAN RADIUS: 0.978

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523483. 0

TARGET NUMBER: 4

FILE DATE: 03/03/2005

FILE TIME: 06:19

POINT#	X	Y
1:	1.133	-1.744
2:	1.384	-0.228
3:	0.942	-0.035
4:	0.997	0.326
5:	0.189	0.206
6:	-0.183	0.603
7:	-0.183	-0.763
8:	-0.597	-0.689
9:	-1.104	-0.177
10:	-1.388	-0.430

X CENTROID: 0.119

Y CENTROID: -0.293

POA TO CENTROID: 0.316

HORZ SPREAD: 2.772

VERT SPREAD: 2.347

GROUP SPREAD: 2.843

MIN RADIUS: 0.504

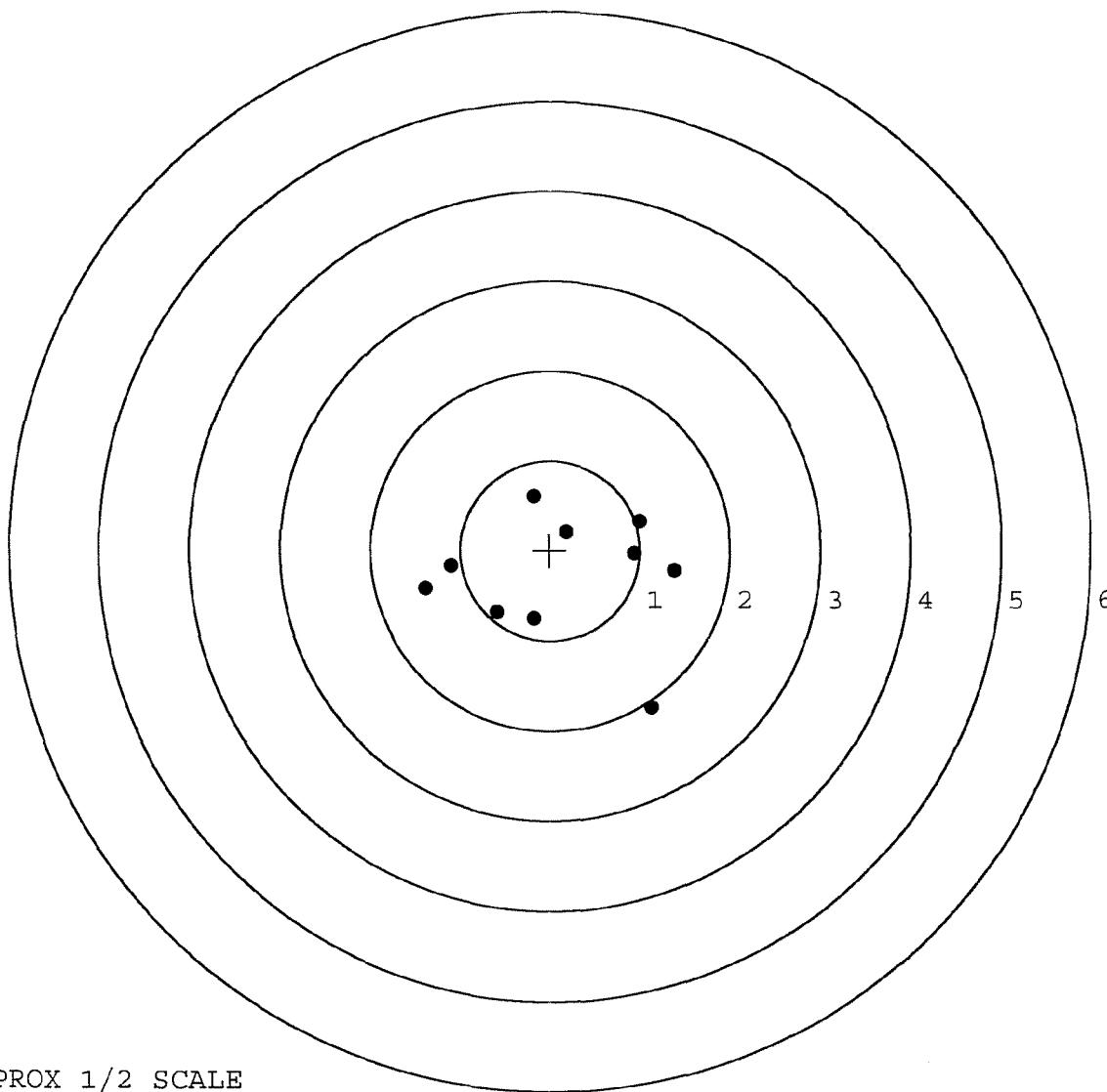
MAX RADIUS: 1.770

MEAN RADIUS: 1.054

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523483. __ 0

TARGET NUMBER: 5

FILE DATE: 03/03/2005

FILE TIME: 06:19

POINT#	X	Y
1:	1.000	-0.068
2:	0.531	-0.417
3:	0.384	-0.253
4:	0.131	0.130
5:	0.137	0.307
6:	0.070	0.515
7:	0.053	1.359
8:	-0.943	0.290
9:	-0.653	-0.415
10:	-1.297	0.037

X CENTROID: -0.059

Y CENTROID: 0.148

POA TO CENTROID: 0.160

HORZ SPREAD: 2.297

VERT SPREAD: 1.776

GROUP SPREAD: 2.299

MIN RADIUS: 0.191

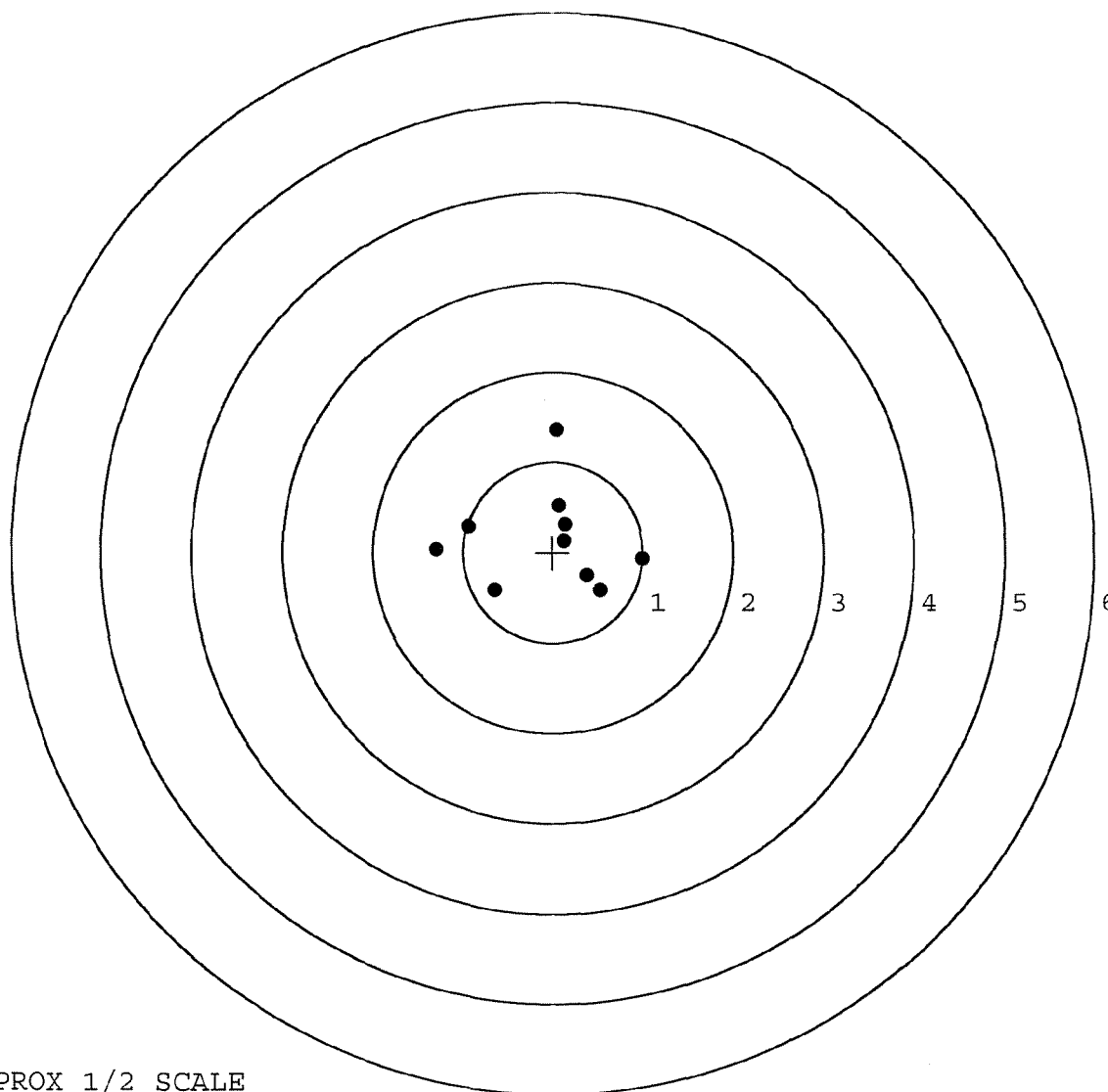
MAX RADIUS: 1.243

MEAN RADIUS: 0.750

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	91848		
SERIAL NUMBER	C6523483		
LOG-IN DATE	1-25-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-31-05	RTZ
560 A	RE-BARREL	2-12-05	RTZ
B	DRILL AND TAP	2-15-05	TRW
575	ASSEMBLE	2-12-05	RTZ
600	PROOF	2-14-05	MAGNA-FLUX INSPECTED FEB 15 2005
605	CHECK HEADSPACE	2-14-05	RTZ
610	DIS-ASSEMBLE GUN	2-14-05	RTZ
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-17-05	CW
618	ROTO-BLAST	2-17-05	LB
620	APPLY COATINGS	2/23/05	
625 A	FINAL ASSEMBLY	3-2-05	RTZ
B	TRIGGER PULL TEST	3-7-05	RTZ
C	SAFETY "ON" FORCE	3-7-05	RTZ
D	SAFETY "OFF" FORCE	3-7-05	RTZ
E	FIRING PIN INDENT	W-17	
640	TARGET	3-3-05	TRW
655	FINAL INSPECT	3-7-05	RTZ
660	PACK	3-7-05	RTZ
		SHIP DATE	
QAR INSPECTION DATE			

Remington
MODEL 700™ M24

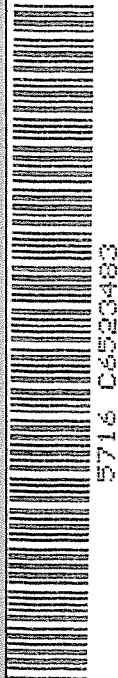
DUPONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
C6523483

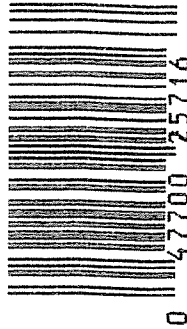
ORDER NO.
5716

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



5716 C6523483

LPC



0

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523483

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25	90	RW
600	Proof	9 25	90	RW
607	Check Headspace	9	90	RW
610	Dis-assemble Gun	9		RW
612	Magnaflux Barrel Action		9/26/90	KR
	Magnaflux Bolt		9/26/90	KR
615	Rollmark Caliber		9/26/90	LS
617	Drill and Tap Sight Holes		9/28/90	WB
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10/5/90	SA
	Apply Coating (Bolt)		10/5/90	SA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/22/90	JH

BARBER - M24 **M2400028913**

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523483

DATE 10/22/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.39	2.25	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.26	2.26	2.31	
PULL #3	2.46	2.26	2.24	2.43	
PULL #4	2.21	2.17	2.27	2.42	
PULL #5	2.44	2.25	2.28	2.39	
TOTAL	11.93	11.33	11.30		
AVG.	2.386	2.266	2.26		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.41		
PULL #2	3.24	3.41		
PULL #3	3.37	3.41		
PULL #4	3.31	3.39		
PULL #5	3.42	3.43		
TOTAL	16.74	17.05		
AVG.	3.348	3.41		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.12		4.24
PULL #2	4.20	4.25		4.27
PULL #3	4.12	4.17		4.36
PULL #4	4.21	4.21		4.33
PULL #5	4.28	4.20		4.33
TOTAL	21.07	20.95		21.47
AVG.	4.214	4.19		4.294

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523483
29 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.175046
1 TO	2	.0874643
1 TO	3	.282857
1 TO	4	.480213
1 TO	5	.28878

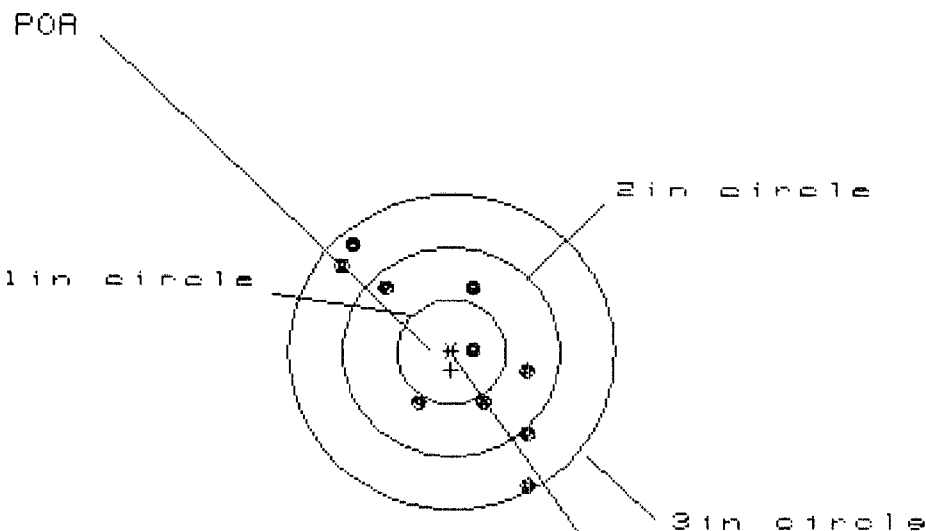
3f + <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1168
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .119321
THE AMR FOR THIS RIFLE IS: .732

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523483

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 1.758

VS= 2.326

GS= 2.826

CENTROID *

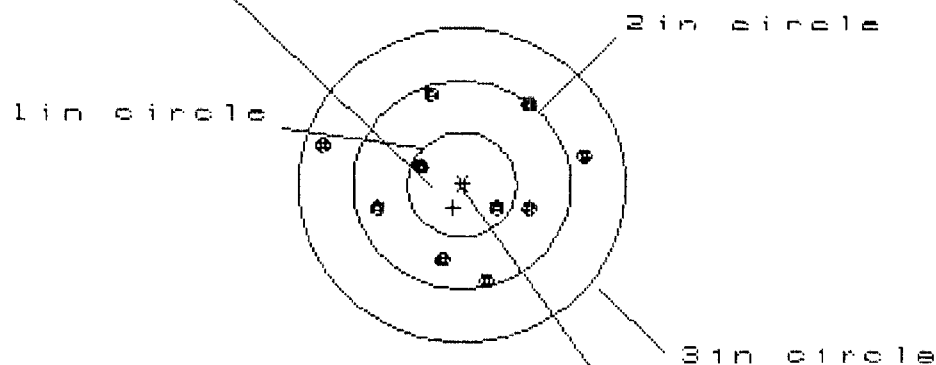
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.737	.800	.782
MINIMUM X	-1.021	-.939	-1.037
MAXIMUM Y	1.027	.883	.825
MINIMUM Y	-1.299	-.893	-.783
CENTROID X	.004	-.078	.020
CENTROID Y	.175	.319	.209
POA TO CENTROID in.	.175	.329	.210
MIN RADIUS	.213	.322	.197
MEAN RADIUS	.877	.817	.741
MAX RADIUS	1.494	1.196	1.325
HORIZONTAL SPREAD	1.758	1.739	1.739
VERTICAL SPREAD	2.326	1.776	1.608
EXTREME SPREAD	2.826	2.378	2.365
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523483

CENTERFIRE PATTERNS # 2

POR



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

IG= 2.380

VS= 1.793

GS= 2.382

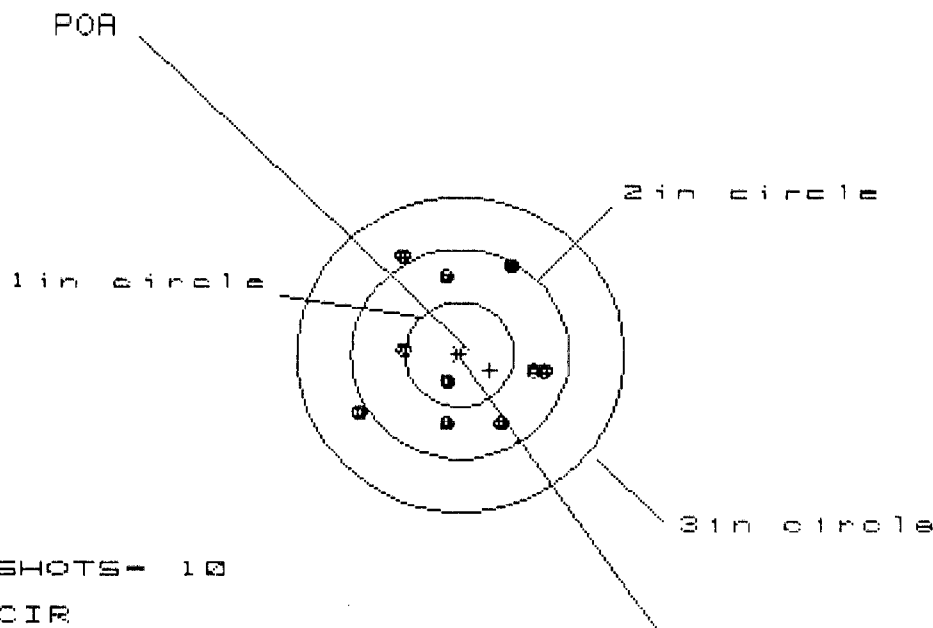
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.109	.967	.622
MINIMUM X	:	-1.271	-.965	-.844
MAXIMUM Y	:	.837	.883	.929
MINIMUM Y	:	-.956	-.910	-.864
CENTROID X	:	.079	.221	.100
CENTROID Y	:	.220	.174	.128
POR TO CENTROID in.	:	.233	.281	.163
MIN RADIUS	:	.438	.300	.373
MEAN RADIUS	:	.844	.773	.733
MAX RADIUS	:	1.337	1.033	1.033
HORIZONTAL SPREAD	:	2.380	1.932	1.466
VERTICAL SPREAD	:	1.793	1.793	1.793
EXTREME SPREAD	:	2.382	2.018	1.844
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523483

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.725

VS= 1.618

GS= 2.018

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.824	.724	.651
MINIMUM X	-.901	-.652	-.726
MAXIMUM Y	.950	.885	.917
MINIMUM Y	-.668	-.733	-.623
CENTROID X	-.278	-.178	-.104
CENTROID Y	.153	.218	.108
POA TO CENTROID in.	.317	.281	.150
MIN RADIUS	.303	.402	.360
MEAN RADIUS	.773	.741	.680
MAX RADIUS	1.073	1.061	.973
HORIZONTAL SPREAD	1.725	1.376	1.376
VERTICAL SPREAD	1.618	1.618	1.540
EXTREME SPREAD	2.018	1.812	1.674
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65234B3

CENTERFIRE PATTERNS

4

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

IS= 1.927

VS= 2.036

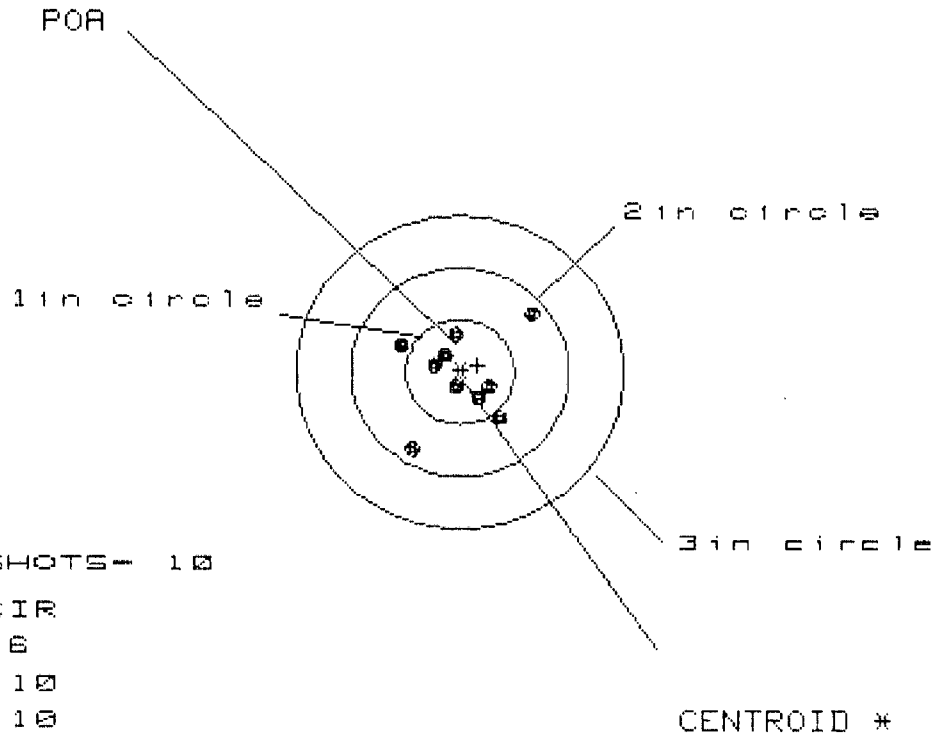
GS= 2.365

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.859	.953	.920
MINIMUM X	:	-1.068	-.974	-1.007
MAXIMUM Y	:	.954	.583	.461
MINIMUM Y	:	-1.082	-.976	-.498
CENTROID X	:	.478	.384	.417
CENTROID Y	:	.098	-.008	.114
POR TO CENTROID in.	:	.488	.384	.432
MIN RADIUS	:	.258	.245	.217
MEAN RADIUS	:	.709	.633	.582
MAX RADIUS	:	1.274	1.072	1.058
HORIZONTAL SPREAD	:	1.927	1.927	1.927
VERTICAL SPREAD	:	2.036	1.559	.959
EXTREME SPREAD	:	2.365	1.934	1.934
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

29 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523483

CENTERFIRE PATTERNS # 5



OF SHOTS- 10
 # IN CIR
 1in = 6
 2in = 10
 3in = 10
 HS= 1.227
 VS= 1.300
 GS= 1.727

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.690	.475	.429
MINIMUM X	-.537	-.460	-.506
MAXIMUM Y	.609	.476	.398
MINIMUM Y	-.691	-.624	-.408
CENTROID X	-.161	-.238	-.192
CENTROID Y	-.062	-.129	-.051
POA TO CENTROID in.	.173	.271	.199
MIN RADIUS	.123	.056	.126
MEAN RADIUS	.457	.398	.352
MAX RADIUS	.920	.725	.592
HORIZONTAL SPREAD	1.227	.935	.935
VERTICAL SPREAD	1.300	1.100	.806
EXTREME SPREAD	1.727	1.171	1.171
NUMBER IN ONE INCH CIRCLE =	6		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

MOD. _____		GA. CAL. _____	GUN # <u>6523483</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Shaver brass & don't eject Brass in ejector hole	DW
	2nd	100 Rds OK	AC
	3rd	Oct 51, 1950	
	4th		
		FUNCTION	RD 6554 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Ream ejector Hole or Polish ejector	10
TEST		30
TGT		40 du
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		