

66236277

# Repair Inquiry

Repair Number: RE00127606

Serial: G6236277 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 4/3/2007 1:33:17 PM

## Address Information

Customer:

Received From

Return To:

Received From

Name: FB4830 TMO 23RD LRS LGRTCO

FB4830 TMO 23RD LRS LGRTCO

Address 1: 4380D ALABAMA ROAD

4380D ALABAMA ROAD

Address 2: PO Box:

PO Box:

City: MOODY AFB

MOODY AFB

State: GA Zip Code: 31699

Country: US

State: GA Zip Code: 31699

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 |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A057 | Fit and Rear Sgt Base | 2   |

Repair Search

Refresh

Close

nagletj

4/3/2007

1:40 PM

CAPS

NUM

INS

SCRL

Serial Number:

G6236277

Model: M24 SWS



RE00127606

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6236277.\_\_\_0

FILE DATE AND TIME: 05/10/2007 01:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

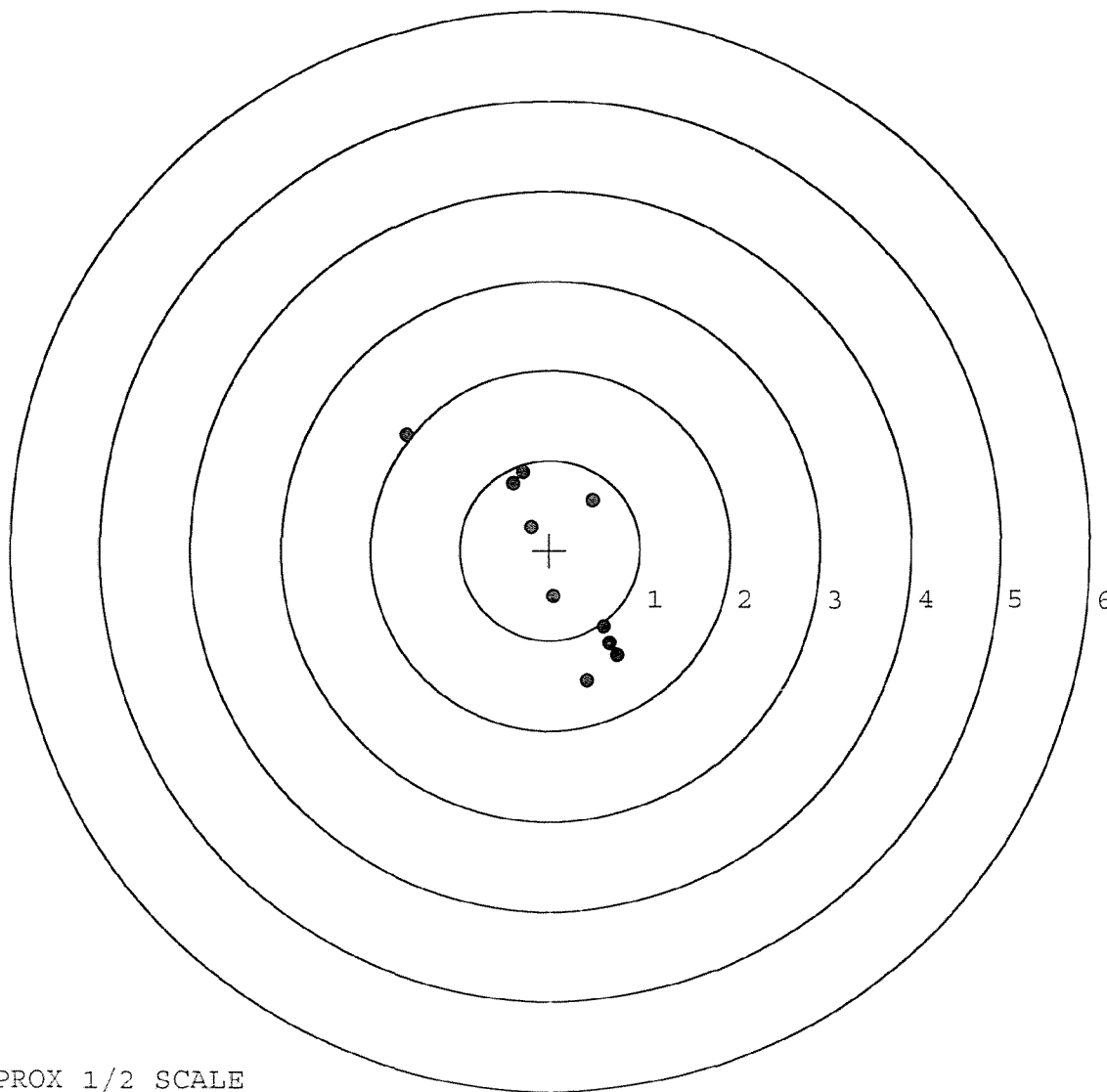
|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.111  |
| The Average Y Centroid of the Five Target Set:              | -0.020 |
| The Average Point of Impact of the Five Target Set:         | 0.113  |
| The Average Mean Radius of the Five Target Set:             | 0.900  |
| The Distance from POA to Centroid Target #1:                | 0.141  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.309  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.531  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.288  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.594  |

**BARBER - M24 0148122**

SERIAL NUMBER: G6236277. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 05/10/2007  
 FILE TIME: 01:20

X CENTROID: 0.042  
 Y CENTROID: -0.135  
 POA TO CENTROID: 0.141  
 HORZ SPREAD: 2.347  
 VERT SPREAD: 2.737  
 GROUP SPREAD: 3.399  
 MIN RADIUS: 0.379  
 MAX RADIUS: 2.172  
 MEAN RADIUS: 1.051  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 5  
 # in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.406 | 0.744  |
| 2:     | -0.295 | 0.869  |
| 3:     | -0.207 | 0.256  |
| 4:     | 0.471  | 0.548  |
| 5:     | 0.045  | -0.514 |
| 6:     | 0.598  | -0.861 |
| 7:     | 0.662  | -1.046 |
| 8:     | 0.744  | -1.176 |
| 9:     | 0.411  | -1.454 |
| 10:    | -1.603 | 1.283  |

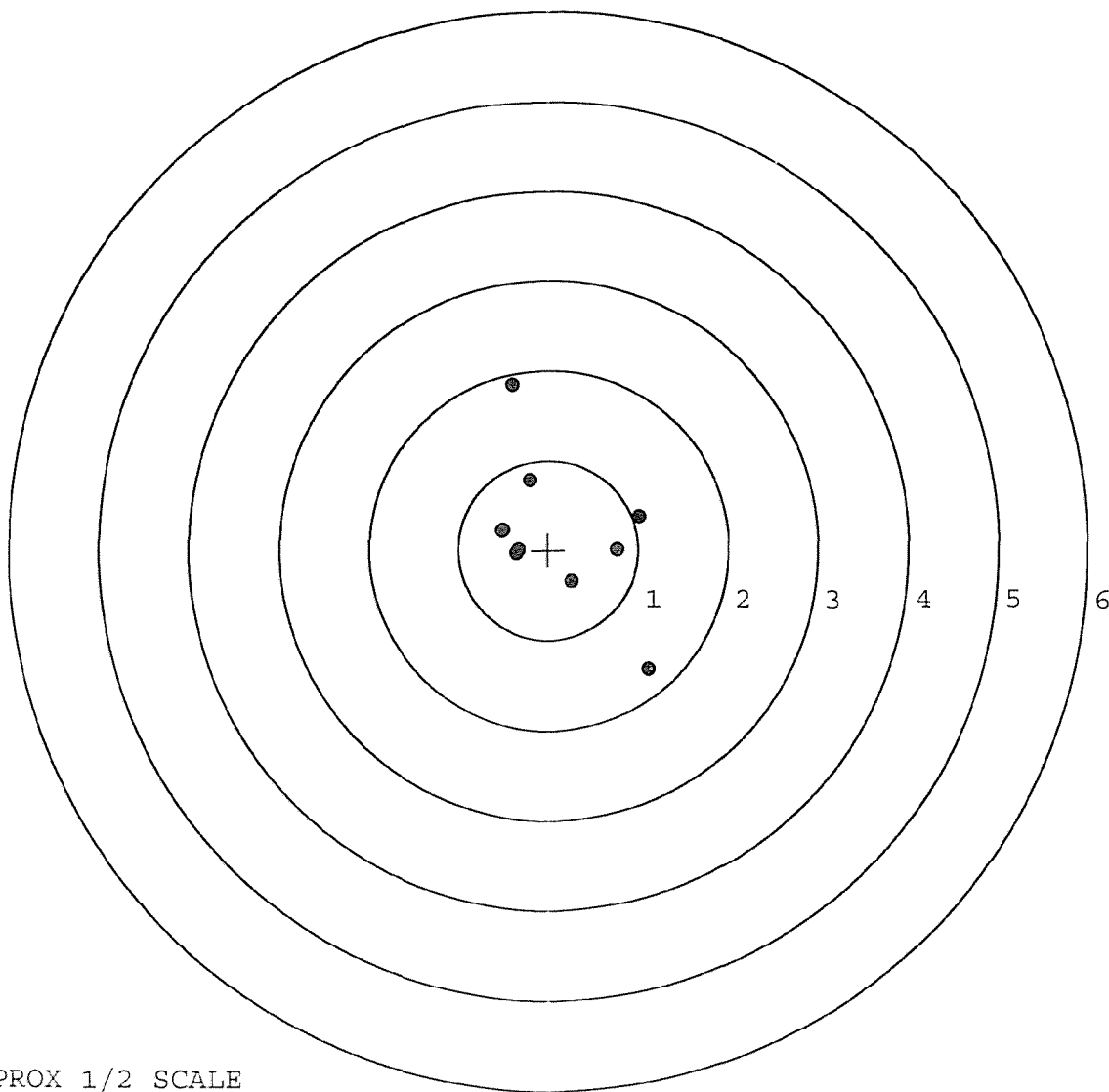


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6236277. 0  
 TARGET NUMBER: 2  
 FILE DATE: 05/10/2007  
 FILE TIME: 01:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.523 | 0.208  |
| 2:     | -0.357 | -0.040 |
| 3:     | 0.264  | -0.356 |
| 4:     | 0.770  | 0.003  |
| 5:     | 1.013  | 0.369  |
| 6:     | 1.110  | -1.331 |
| 7:     | -0.405 | 1.845  |
| 8:     | -0.210 | 0.780  |
| 9:     | -0.331 | 0.007  |
| 10:    | -0.509 | 0.225  |

X CENTROID: 0.082  
 Y CENTROID: 0.171  
 POA TO CENTROID: 0.190  
 HORZ SPREAD: 1.633  
 VERT SPREAD: 3.176  
 GROUP SPREAD: 3.519  
 MIN RADIUS: 0.445  
 MAX RADIUS: 1.820  
 MEAN RADIUS: 0.859  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 8



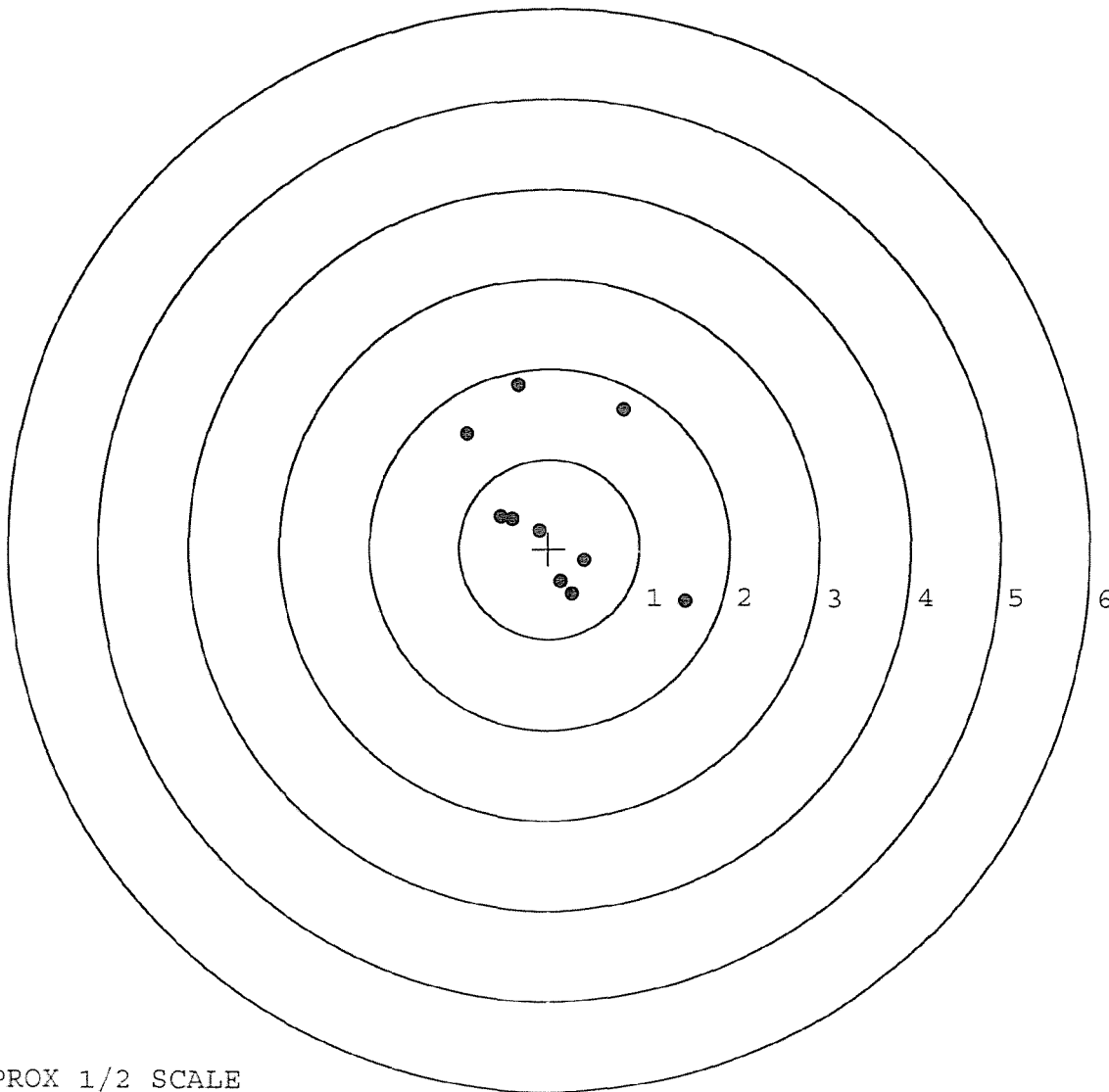
TARGET APPROX 1/2 SCALE

**BARBER - M24 0148124**

SERIAL NUMBER: G6236277. \_\_0  
 TARGET NUMBER: 3  
 FILE DATE: 05/10/2007  
 FILE TIME: 01:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.534 | 0.360  |
| 2:     | -0.408 | 0.336  |
| 3:     | -0.109 | 0.205  |
| 4:     | 0.395  | -0.135 |
| 5:     | 0.258  | -0.509 |
| 6:     | 0.132  | -0.368 |
| 7:     | 1.505  | -0.589 |
| 8:     | 0.822  | 1.541  |
| 9:     | -0.340 | 1.823  |
| 10:    | -0.913 | 1.279  |

X CENTROID: 0.081  
 Y CENTROID: 0.394  
 POA TO CENTROID: 0.402  
 HORZ SPREAD: 2.418  
 VERT SPREAD: 2.412  
 GROUP SPREAD: 3.056  
 MIN RADIUS: 0.268  
 MAX RADIUS: 1.731  
 MEAN RADIUS: 0.959  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 6  
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

**BARBER - M24 0148125**

SERIAL NUMBER: G6236277. 0

TARGET NUMBER: 4

FILE DATE: 05/10/2007

FILE TIME: 01:20

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.020 | 0.482  |
| 2:     | 0.410  | 0.439  |
| 3:     | 0.160  | -0.043 |
| 4:     | 0.425  | -0.107 |
| 5:     | 0.245  | -0.534 |
| 6:     | 0.020  | -0.468 |
| 7:     | -0.150 | -0.538 |
| 8:     | -0.831 | 0.820  |
| 9:     | 0.420  | 1.310  |

X CENTROID: 0.075

Y CENTROID: 0.151

POA TO CENTROID: 0.169

HORZ SPREAD: 1.256

VERT SPREAD: 1.848

GROUP SPREAD: 1.934

MIN RADIUS: 0.212

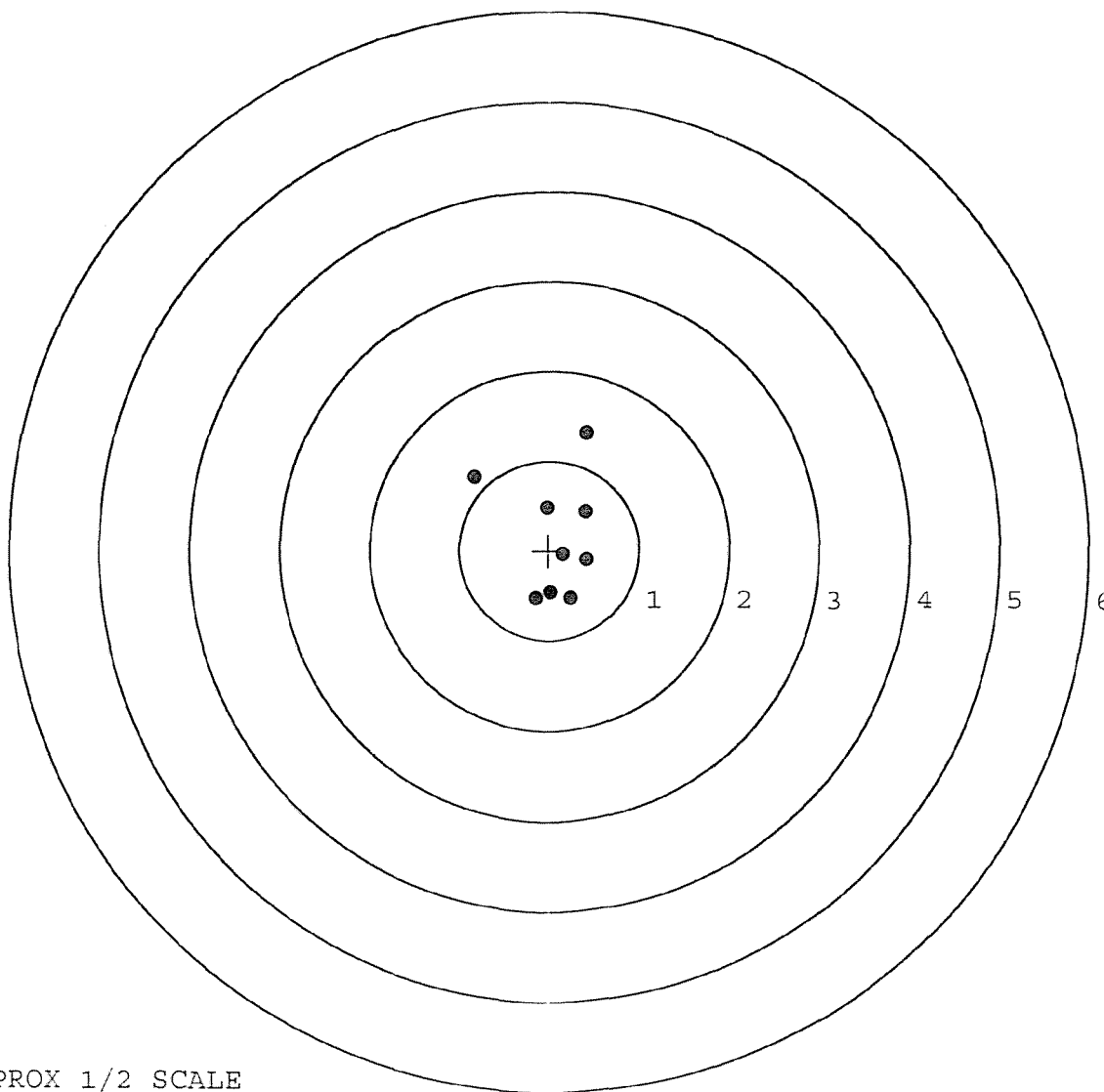
MAX RADIUS: 1.209

MEAN RADIUS: 0.647

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9



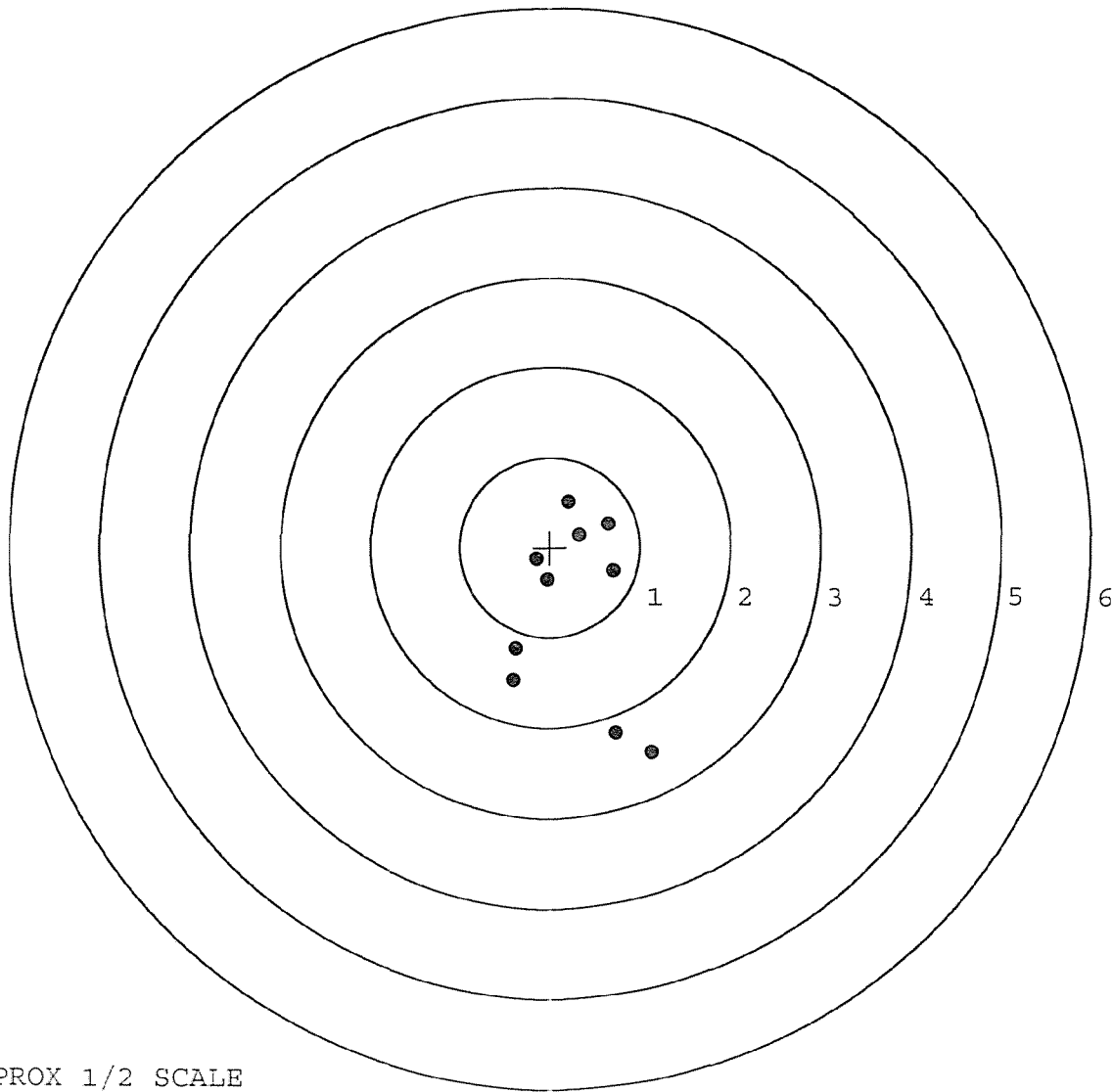
TARGET APPROX 1/2 SCALE

**BARBER - M24 0148126**

SERIAL NUMBER: G6236277. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 05/10/2007  
 FILE TIME: 01:20

X CENTROID: 0.275  
 Y CENTROID: -0.681  
 POA TO CENTROID: 0.735  
 HORZ SPREAD: 1.531  
 VERT SPREAD: 2.788  
 GROUP SPREAD: 2.936  
 MIN RADIUS: 0.439  
 MAX RADIUS: 1.805  
 MEAN RADIUS: 0.987  
 # IN 1 IN DIAMETER: 1  
 # IN 2 IN DIAMETER: 5  
 # in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.149 | -0.132 |
| 2:     | -0.029 | -0.365 |
| 3:     | 0.200  | 0.512  |
| 4:     | 0.326  | 0.136  |
| 5:     | 0.644  | 0.257  |
| 6:     | 0.705  | -0.269 |
| 7:     | -0.384 | -1.130 |
| 8:     | -0.411 | -1.479 |
| 9:     | 0.730  | -2.068 |
| 10:    | 1.120  | -2.276 |



TARGET APPROX 1/2 SCALE

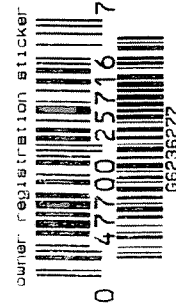
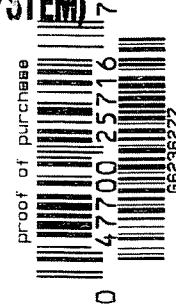
M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-C-0149

| R & E NUMBER  |                      | 127606                                                                |                  |
|---------------|----------------------|-----------------------------------------------------------------------|------------------|
| SERIAL NUMBER |                      | G6236277                                                              |                  |
| LOG-IN DATE   |                      | 4-3-07                                                                |                  |
| OPERATION #   | OPERATION NAME       | DATE                                                                  | INITIAL          |
| 500           | DIS-ASSEMBLE GUN     | 4-24-07                                                               | RTZ              |
| 505           | RE-BARREL            | 4-25-07                                                               | RTZ              |
| 560           | ASSEMBLE             | 4-25-07                                                               | RTZ              |
| 600           | PROOF                | MAGNA - FLUX<br>4-25-07                                               | TRW              |
| 605           | CHECK HEADSPACE      | 4-25-07                                                               | TRW              |
| 610           | DIS-ASSEMBLE GUN     | 4-26-07                                                               | RTZ              |
| 612           | MAGNAFLUX            | OPERATOR: <i>Cumaf</i><br>4/30/07                                     | <i>unsub</i>     |
| 510           | DRILL AND TAP        | 4-27-07                                                               | TRW              |
| 615           | ROLLMARK CALIBER     | 5-1-07                                                                | CW               |
| 618           | ROTO-BLAST           | 5-1-07                                                                | LB               |
| 620           | APPLY COATINGS       | 5-2-07                                                                | RB               |
| 625           | FINAL ASSEMBLY       | 5-9-07                                                                | RTZ              |
| 640           | FUNCTION TEST AND    | (PASS) FAIL                                                           | 5/9/07 <i>ms</i> |
| 650           | TARGET               | (PASS) FAIL                                                           | 5/9/07 <i>ms</i> |
|               | MALFUNCTION          | CORRECTION                                                            |                  |
|               | MALFUNCTION          | CORRECTION                                                            |                  |
|               | MALFUNCTION          | CORRECTION                                                            |                  |
|               | MALFUNCTION          | CORRECTION                                                            |                  |
| 670           | FINAL INSPECTION     | 5-15-07                                                               | BA               |
|               | A) HEADSPACE         | PASS FAIL                                                             | 5-15-07 BA       |
|               | B) TRIGGER PULL      | +/- .5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS<br>2.92 2.80 2.88 2.88 2.85 | 5-10-07 TRW      |
| 680           | F) SAFETY ON FORCE   | 2 LBS MIN<br>10 LBS MAX<br>6.75 7.0 7.0                               | 5-10-07 TRW      |
|               | G) SAFETY OFF FORCE  | 2 LBS<br>2.25 2.25 2.25                                               | 5-10-07 TRW      |
|               | I) FIRING PIN INDENT | .020<br>.0235 .0245 .0235                                             | 5-10-07 TRW      |
| 690           | PACK                 |                                                                       | 5-16-07 BA       |

**M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)**  
**BOLT ACTION CENTERFIRE RIFLE**  
**24" BARREL 7.62 NATO**

- INSTRUCTION BOOK 3518

46 FORM

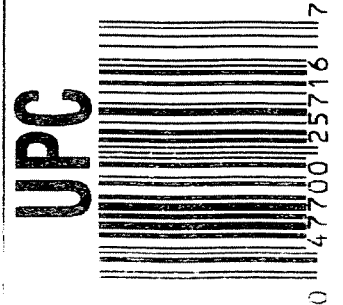


ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

**G6236277**



VERY IMPORTANT: Read instruction. Do not enclosed to assure safe use of this (M24)

**Remington®**

**M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)**

**BOLT ACTION CENTERFIRE RIFLE**

**24" BARREL 7.62 NATO**

Made in Union, NY Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

SERIAL NO. **J**  
**G6236277**

ORDER NO. **25716**

**46**

**06XW**

**5716 G6236277**

**ORDER 25716**

M/24 7.62 NATO S.W.S. (COMPLETE SYST

**UPC**



**ORDER 25716**

M/24 7.62 NATO S.W.S. (COMPLETE SYST

**UPC**



SERIAL NO.



G6236277

## INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6236277

| OP #         | OPERATION NAME                                                 | READINGS            | DATE     | INITIAL |
|--------------|----------------------------------------------------------------|---------------------|----------|---------|
| 575 &<br>580 | ASSEMBLE ACTION<br>AND STOCK                                   |                     | 9/5/02   | RL      |
| 600          | PROOF                                                          |                     |          |         |
| 607          | CHECK HEADSPACE                                                |                     | 9/9/02   | RL      |
| 610          | DIS-ASSEMBLE GUN                                               |                     | 9/9/02   | RL      |
| 612          | MAGNAFLUX BBL ACTION<br>MAGNAFLUX BOLT                         | SEP 10 2002<br>RL   |          |         |
| 615          | ROLLMARK CALIBER                                               |                     | 9/10     | BS      |
| 617          | DRILL AND TAP<br>SIGHT HOLES                                   |                     | 9-12-02  | TA      |
| 620          | APPLY COATINGS<br>(BARREL ACTION)                              |                     | 9-18     | TA      |
|              | (BOLT)                                                         |                     | 9-18     | TA      |
| 625          | FINAL ASSEMBLY                                                 |                     |          |         |
|              | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                            |                     | 10-23-02 | RA      |
|              | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD |                     | 10-23-02 | RA      |
|              | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                         |                     | 10-23-02 | RA      |
|              | D) OIL FIRING PIN ASSEMBLY                                     |                     | 10-23-02 | RA      |
|              | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE         | 2.50 LBS +/- .5 LBS | 11-18-02 | RL      |

| OP #  | OPERATION NAME                                                           | READINGS                                                    | DATE     | INITIAL |
|-------|--------------------------------------------------------------------------|-------------------------------------------------------------|----------|---------|
| 625   | F) SAFETY ON FORCE <span>2 LBS MIN<br/>10 LBS MAX</span>                 | <u>6.0</u> <u>7.0</u> <u>7.0</u>                            | 10-23-02 | DA      |
| CONT. | G) SAFETY OFF FORCE <span>2 LBS MIN</span>                               | <u>3.0</u> <u>3.0</u> <u>3.0</u>                            | 10-23-02 | DA      |
|       | H) TRIGGER PULL TEST<br>AND RETAINABILITY                                |                                                             | 11-18-02 | RL      |
|       | I) FIRING PIN INDENT <span>.020 MIN</span>                               | <u>.023</u> <u>.023</u> <u>.023</u>                         | 10-23-02 | DA      |
|       | J) ASSEMBLE STOCK                                                        |                                                             | 10/4/02  | RL      |
|       | K) ASSEMBLE SWIVEL<br>STUDS                                              |                                                             | 11-18-02 | RL      |
|       | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                                 |                                                             | 11/6/02  | RL      |
|       | M) IRON SIGHT<br>ALIGNMENT                                               |                                                             | 11/6/02  | RL      |
|       | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER    |                                                             | 11/6/02  | RL      |
| 640   | GALLERY TEST AND<br>TARGET                                               | PASS FAIL                                                   | 10-16-02 | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                  | 10-16-02 | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                  | 10-16-02 | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                  | 10-16-02 | A       |
|       | MALFUNCTION                                                              | CORRECTION                                                  | 10-16-02 | A       |
| 645   | INSPECT FOR LIVE AMMO                                                    |                                                             | 10-16-02 | A       |
| 655   | FINAL INSPECTION<br>A) HEADSPACE                                         |                                                             | 11-18-02 | RL      |
|       | B) TRIGGER PULL <span>+/- .5 LBS<br/>MIN 2.50 LBS<br/>MAX 4.0 LBS</span> | <u>2.63</u> <u>2.68</u> <u>2.70</u> <u>2.68</u> <u>2.49</u> | 10-23-02 | DA      |
|       | C) FUNCTION                                                              |                                                             | 11-18-02 | RL      |
| 660   | PACK                                                                     |                                                             | 12-5-02  | DA      |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6236277.\_\_0

FILE DATE AND TIME: 10/17/2002 13:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

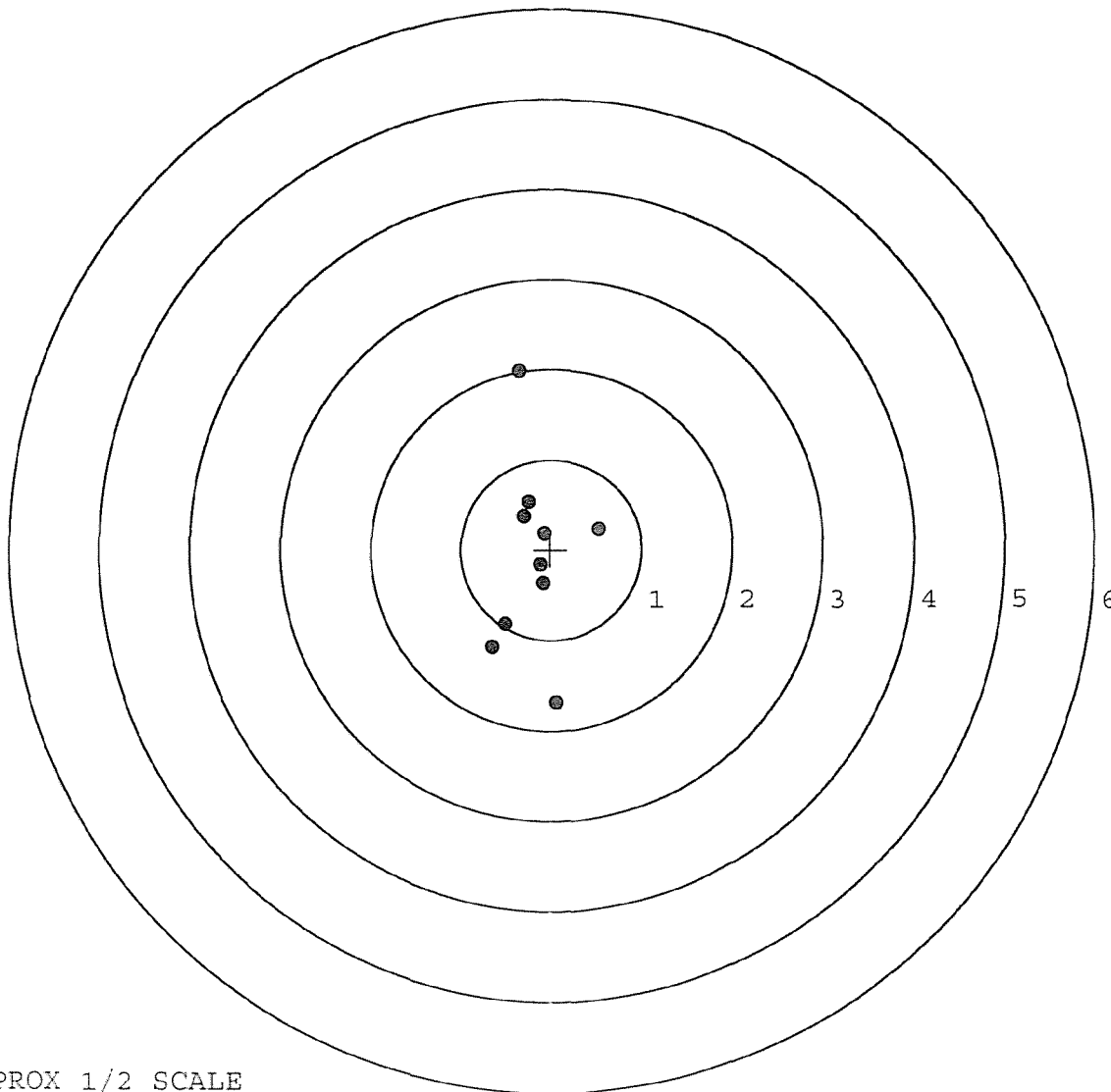
|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.100 |
| The Average Y Centroid of the Five Target Set:              | -0.063 |
| The Average Point of Impact of the Five Target Set:         | 0.118  |
| The Average Mean Radius of the Five Target Set:             | 0.695  |
| The Distance from POA to Centroid Target #1:                | 0.193  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.204  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.137  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.153  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.110  |

**BARBER - M24 0148133**

SERIAL NUMBER: G6236277. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 10/17/2002  
 FILE TIME: 13:49

X CENTROID: -0.173  
 Y CENTROID: -0.087  
 POA TO CENTROID: 0.193  
 HORZ SPREAD: 1.181  
 VERT SPREAD: 3.670  
 GROUP SPREAD: 3.695  
 MIN RADIUS: 0.101  
 MAX RADIUS: 2.071  
 MEAN RADIUS: 0.817  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 8

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.070  | -1.694 |
| 2:     | -0.649 | -1.081 |
| 3:     | -0.500 | -0.831 |
| 4:     | 0.532  | 0.230  |
| 5:     | -0.355 | 1.976  |
| 6:     | -0.253 | 0.527  |
| 7:     | -0.305 | 0.367  |
| 8:     | -0.073 | 0.183  |
| 9:     | -0.114 | -0.168 |
| 10:    | -0.083 | -0.375 |



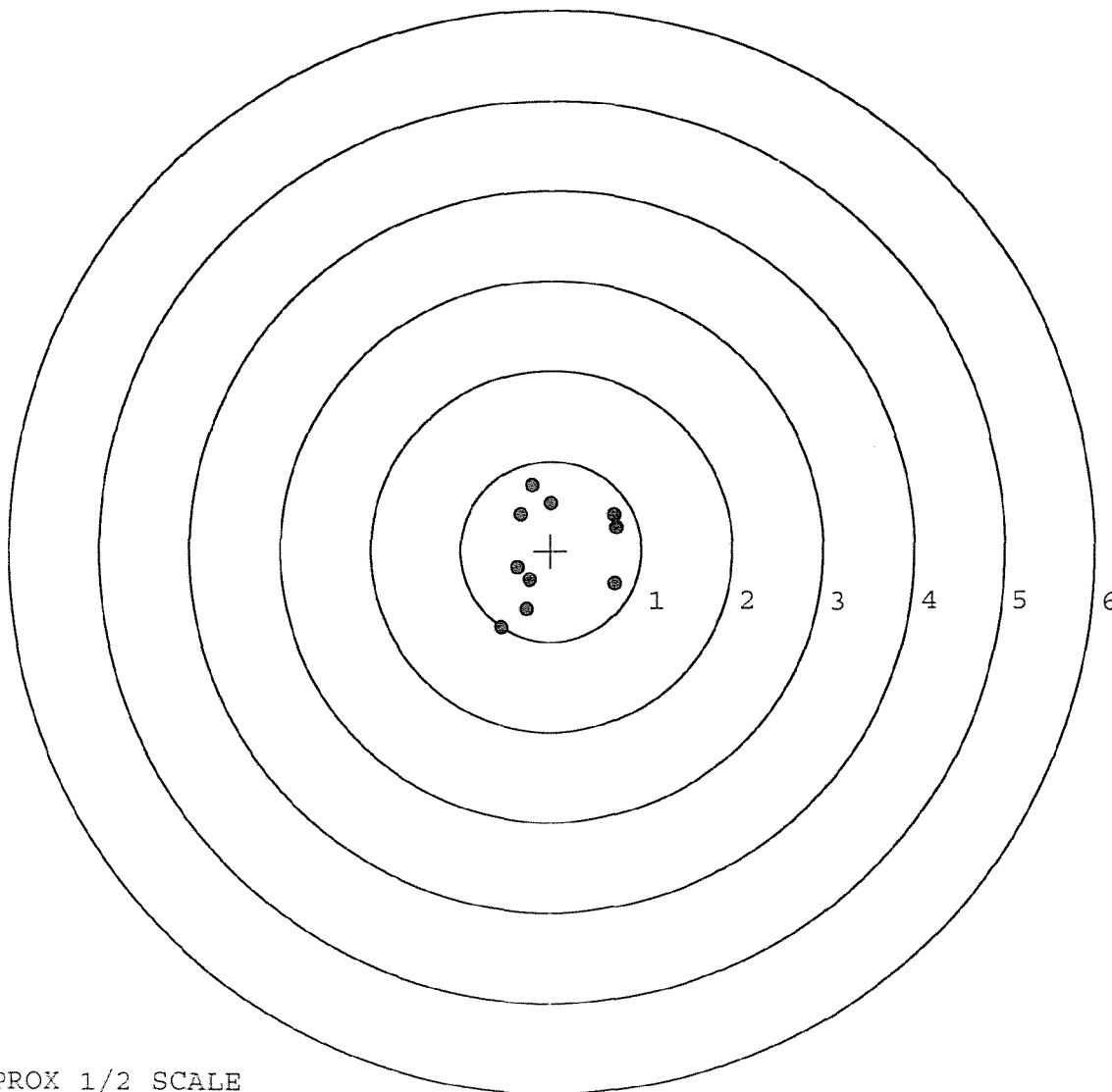
TARGET APPROX 1/2 SCALE

**BARBER - M24 0148134**

SERIAL NUMBER: G6236277. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 10/17/2002  
 FILE TIME: 13:49

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.712  | -0.372 |
| 2:     | 0.694  | 0.398  |
| 3:     | 0.722  | 0.256  |
| 4:     | -0.552 | -0.860 |
| 5:     | -0.273 | -0.648 |
| 6:     | -0.235 | -0.324 |
| 7:     | -0.371 | -0.191 |
| 8:     | -0.337 | 0.400  |
| 9:     | -0.002 | 0.529  |
| 10:    | -0.210 | 0.732  |

X CENTROID: 0.015  
 Y CENTROID: -0.008  
 POA TO CENTROID: 0.017  
 HORZ SPREAD: 1.274  
 VERT SPREAD: 1.592  
 GROUP SPREAD: 1.771  
 MIN RADIUS: 0.403  
 MAX RADIUS: 1.023  
 MEAN RADIUS: 0.674  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0148135**

SERIAL NUMBER: G6236277. \_\_0

TARGET NUMBER: 3

FILE DATE: 10/17/2002

FILE TIME: 13:49

X CENTROID: -0.037

Y CENTROID: -0.069

POA TO CENTROID: 0.079

HORZ SPREAD: 1.670

VERT SPREAD: 1.543

GROUP SPREAD: 1.860

MIN RADIUS: 0.157

MAX RADIUS: 1.164

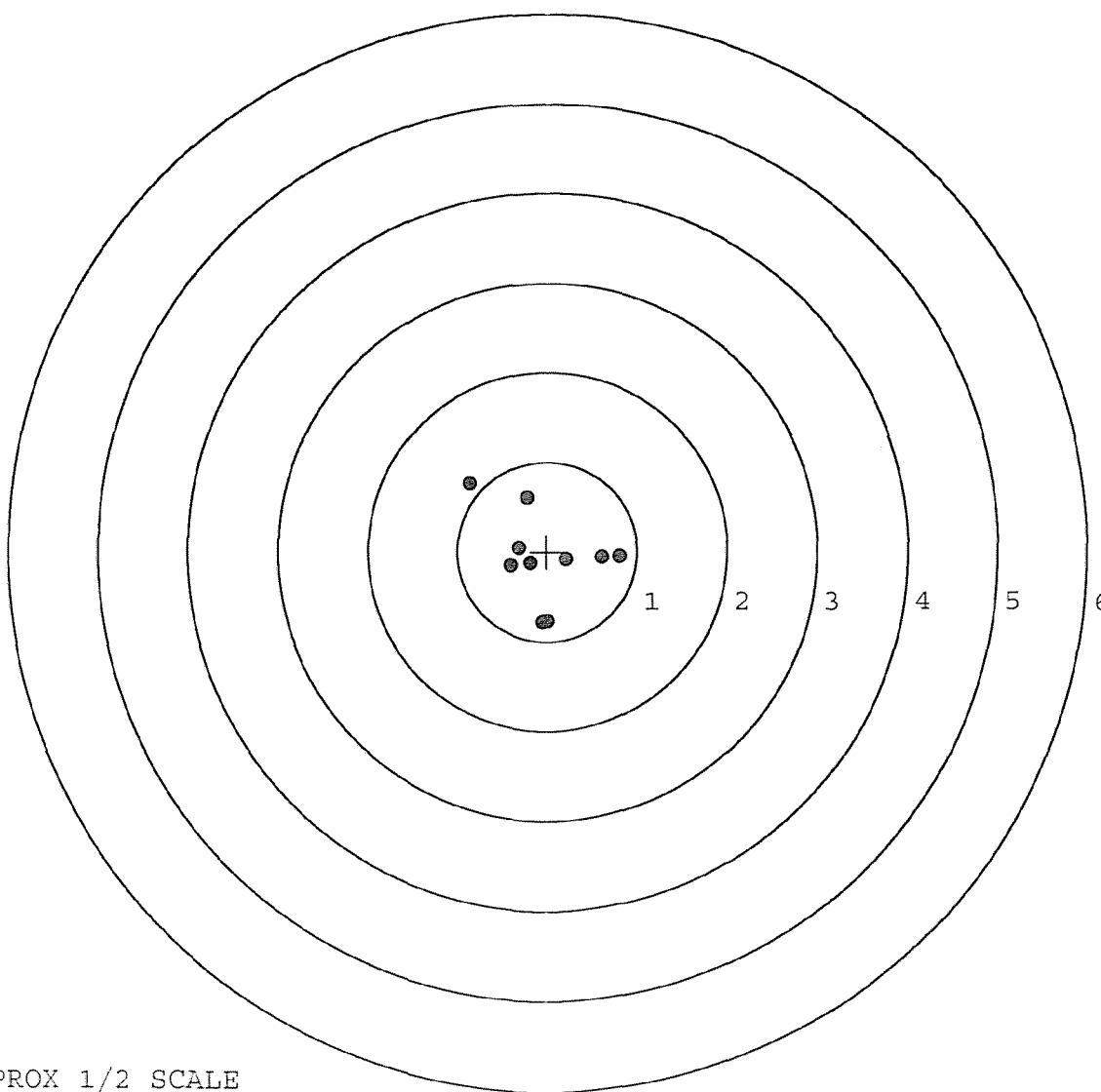
MEAN RADIUS: 0.587

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.007  | -0.777 |
| 2:     | 0.809  | -0.064 |
| 3:     | 0.614  | -0.072 |
| 4:     | 0.217  | -0.093 |
| 5:     | -0.181 | -0.132 |
| 6:     | -0.307 | 0.041  |
| 7:     | -0.403 | -0.163 |
| 8:     | -0.223 | 0.603  |
| 9:     | -0.861 | 0.754  |
| 10:    | -0.047 | -0.789 |



TARGET APPROX 1/2 SCALE

**BARBER - M24 0148136**

SERIAL NUMBER: G6236277. \_\_0

TARGET NUMBER: 4

FILE DATE: 10/17/2002

FILE TIME: 13:49

X CENTROID: -0.020

Y CENTROID: -0.074

POA TO CENTROID: 0.076

HORZ SPREAD: 1.515

VERT SPREAD: 3.362

GROUP SPREAD: 3.362

MIN RADIUS: 0.375

MAX RADIUS: 1.955

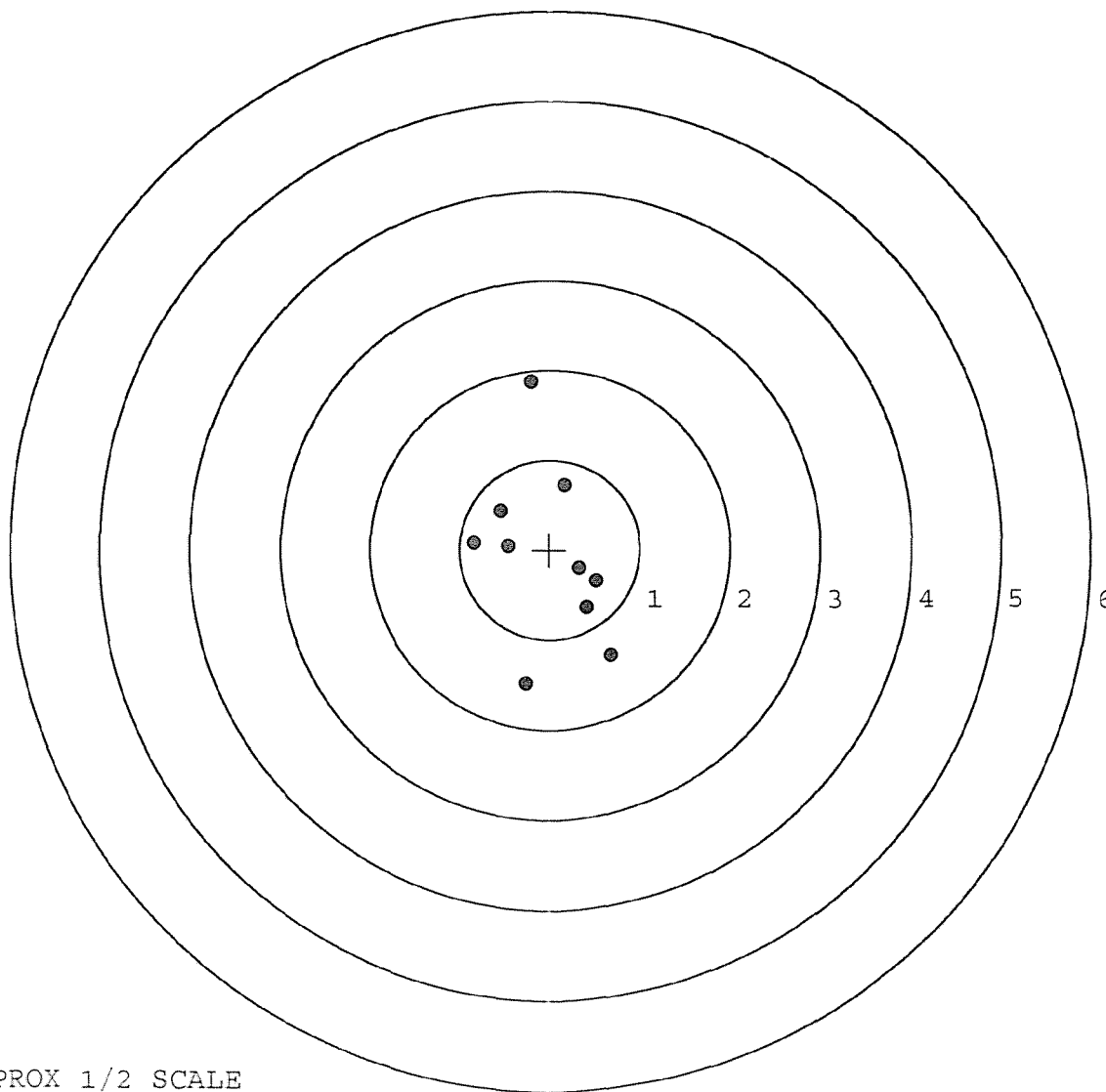
MEAN RADIUS: 0.923

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.681  | -1.180 |
| 2:     | -0.259 | -1.490 |
| 3:     | -0.211 | 1.872  |
| 4:     | 0.165  | 0.721  |
| 5:     | -0.543 | 0.435  |
| 6:     | -0.460 | 0.045  |
| 7:     | -0.834 | 0.078  |
| 8:     | 0.329  | -0.211 |
| 9:     | 0.516  | -0.359 |
| 10:    | 0.413  | -0.648 |



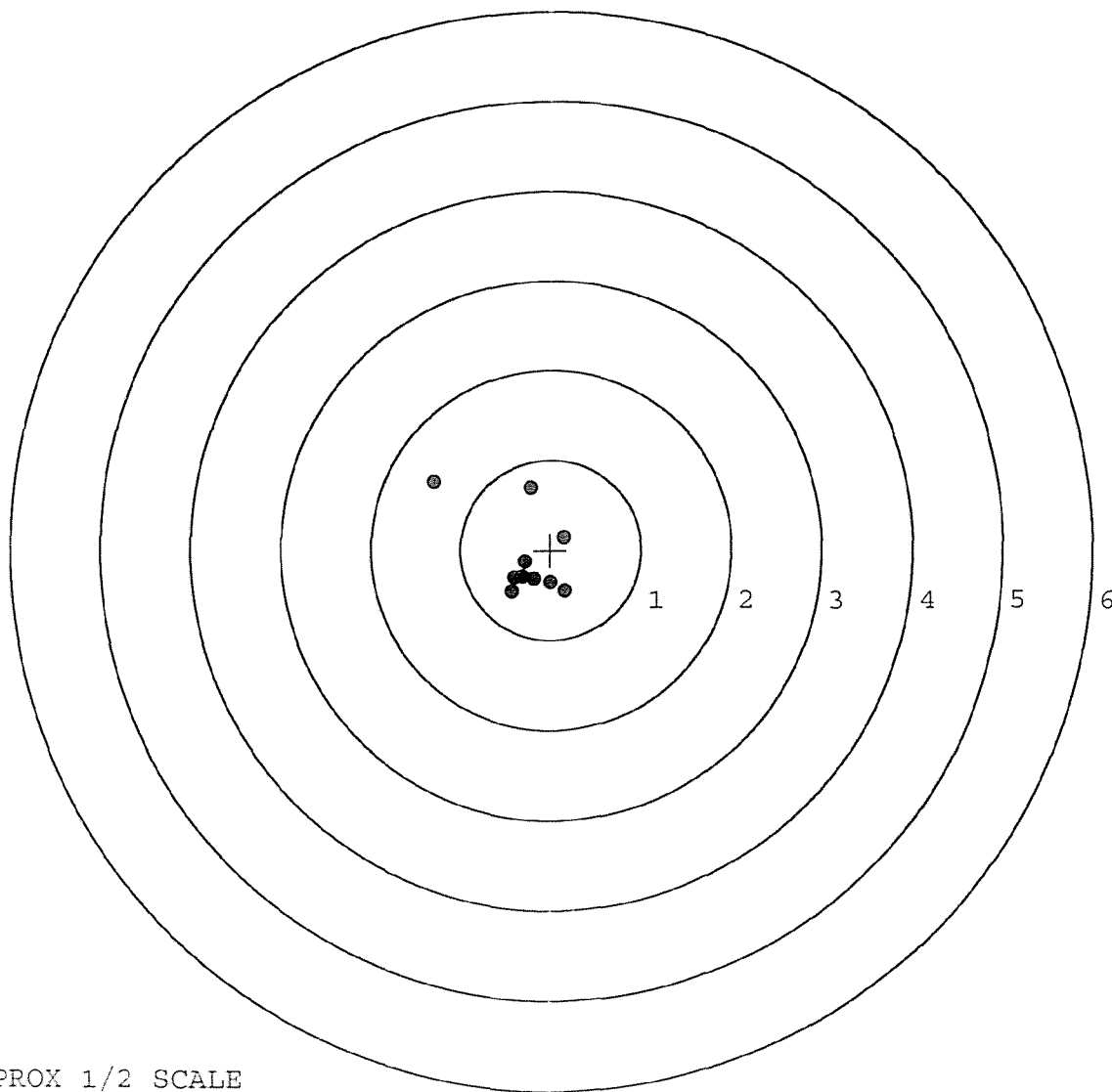
TARGET APPROX 1/2 SCALE

**BARBER - M24 0148137**

SERIAL NUMBER: G6236277. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 10/17/2002  
FILE TIME: 13:49

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.305 | 0.749  |
| 2:     | -0.221 | 0.687  |
| 3:     | 0.147  | 0.140  |
| 4:     | 0.166  | -0.459 |
| 5:     | -0.006 | -0.363 |
| 6:     | -0.285 | -0.133 |
| 7:     | -0.402 | -0.310 |
| 8:     | -0.432 | -0.462 |
| 9:     | -0.181 | -0.326 |
| 10:    | -0.310 | -0.294 |

X CENTROID: -0.283  
Y CENTROID: -0.077  
POA TO CENTROID: 0.293  
HORZ SPREAD: 1.471  
VERT SPREAD: 1.211  
GROUP SPREAD: 1.903  
MIN RADIUS: 0.056  
MAX RADIUS: 1.314  
MEAN RADIUS: 0.477  
# IN 1 IN DIAMETER: 7  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE

INITIAL &amp; CYCLE TESTS

BARBER - M24 0148138

3.00# ± .75#

4.00# ± 1.00#

DATE 10-9-02

TESTER

TRW

06236277

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS         |
|---------|------------------|--------------------------|--------------------------------|------------------|
| PULL #1 | 2.53             | 2.50                     | 2.54                           | MIN. SETTING,    |
| PULL #2 | 2.41             | 2.54                     | 2.49                           | NO AVG. OF 5     |
| PULL #3 | 2.29             | 2.53                     | 2.53                           | READINGS ACCEPT- |
| PULL #4 | 2.49             | 2.55                     | 2.49                           | ABLE LESS THAN 2 |
| PULL #5 | 2.55             | 2.33                     | 2.53                           |                  |
| TOTAL   | 12.27            | 12.45                    | 12.58                          |                  |
| AVG.    | 2.45             | 2.49                     | 2.51                           |                  |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.42             | 3.26                     |          |
| PULL #2 | 3.30             | 3.27                     |          |
| PULL #3 | 3.35             | 3.12                     |          |
| PULL #4 | 3.25             | 3.24                     |          |
| PULL #5 | 3.32             | 3.27                     |          |
| TOTAL   | 16.64            | 16.16                    |          |
| AVG.    | 3.32             | 3.23                     |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCUR |
|---------|------------------|--------------------------|--------------------------------|-----------------------------------|
| PULL #1 | 4.34             | 4.00                     |                                | 4.34                              |
| PULL #2 | 4.26             | 4.01                     |                                | 4.39                              |
| PULL #3 | 4.21             | 4.25                     |                                | 4.17                              |
| PULL #4 | 4.16             | 4.22                     |                                | 4.36                              |
| PULL #5 | 4.18             | 4.14                     |                                | 4.36                              |
| TOTAL   | 21.15            | 20.62                    |                                | 21.62                             |
| AVG.    | 4.23             | 4.12                     |                                | 4.32                              |