

06587628

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

11/02/07 13:13:23

## Arms Services Repair &amp; Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

## Repair Inquiry

Repair Number: RE00136243

Serial: C6587628 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Status: Closed 11/2/2007 10:15:24 AM

Verify Repair

## Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: BARRY MOBERLY

BARRY MOBERLY

Address 1: L-3 COMMUNICATIONS

L-3 COMMUNICATIONS

Address 2: 5749 BRIAR HILL RD BLDG 221

PO Box:

5749 BRIAR HILL RD BLDG 221

PO Box:

City: LEXINGTON

LEXINGTON

State: KY

Zip Code: 40516

Country: US

State: KY

Zip Code: 40516

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 |
|------|----------------|-----|
| A007 | With Stud      | 3   |
| A008 | With Swivel    | 3   |
| A010 | Hard Case      | 1   |
| A026 | Scope          | 1   |
| A055 | Deployment Kit | 1   |
| D000 | SCOPE CASE     | 1   |

## Repair Search

## Refresh

## Close

nagletj

11/2/2007

1:13 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

5 Int...

4 Mi...

Part S...

longo...

Arms ...

1:13 PM

Serial Number: C6587628

Model: M24 SWS



RE00136243

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587628.\_\_\_0

FILE DATE AND TIME: 09/05/2008 13:04

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:              | 0.086 |
| The Average Point of Impact of the Five Target Set:         | 0.140 |
| The Average Mean Radius of the Five Target Set:             | 0.638 |
| The Distance from POA to Centroid Target #1:                | 0.370 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.318 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.382 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.118 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.443 |

**BARBER - M24 0024037**

SERIAL NUMBER: C6587628. \_\_0

TARGET NUMBER: 1

FILE DATE: 09/05/2008

FILE TIME: 13:04

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.214  | -1.039 |
| 2:     | 0.254  | -0.447 |
| 3:     | 0.977  | -0.549 |
| 4:     | 0.660  | 0.128  |
| 5:     | 0.458  | 0.172  |
| 6:     | 0.159  | 0.224  |
| 7:     | 0.638  | 1.316  |
| 8:     | -0.330 | 0.774  |
| 9:     | -0.681 | 1.115  |
| 10:    | -0.385 | 1.447  |

X CENTROID: 0.196

Y CENTROID: 0.314

POA TO CENTROID: 0.370

HORZ SPREAD: 1.658

VERT SPREAD: 2.486

GROUP SPREAD: 2.557

MIN RADIUS: 0.098

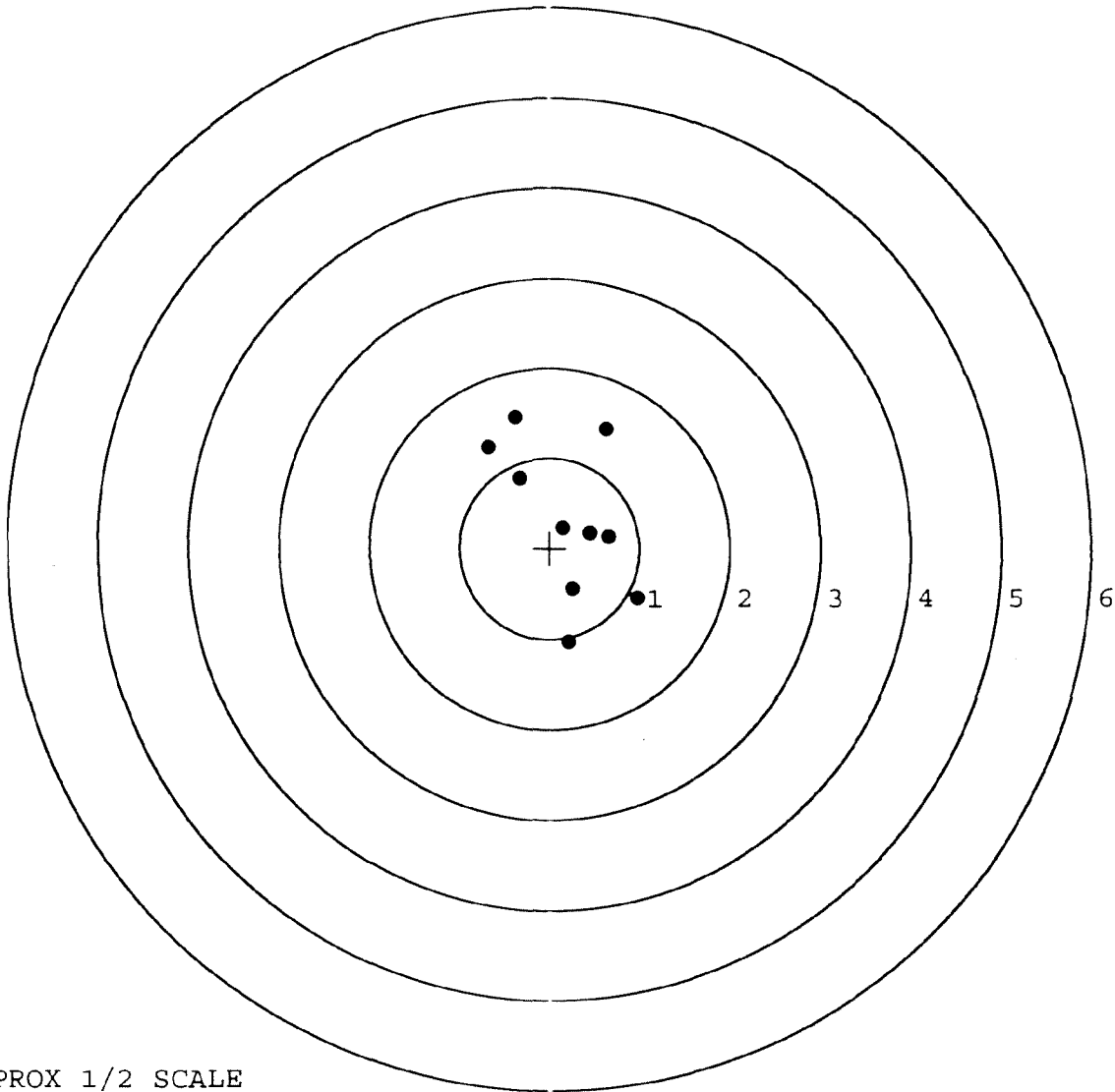
MAX RADIUS: 1.353

MEAN RADIUS: 0.843

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 5

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0024038**

SERIAL NUMBER: C6587628. 0

TARGET NUMBER: 2

FILE DATE: 09/05/2008

FILE TIME: 13:04

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.217  | -1.349 |
| 2:     | -0.331 | -0.612 |
| 3:     | 0.289  | -0.294 |
| 4:     | 0.287  | 0.052  |
| 5:     | -0.142 | 0.133  |
| 6:     | -0.301 | 0.347  |
| 7:     | -0.317 | 0.534  |
| 8:     | -0.230 | 0.615  |
| 9:     | 0.258  | 0.711  |
| 10:    | 0.248  | 0.520  |

X CENTROID: -0.002

Y CENTROID: 0.066

POA TO CENTROID: 0.066

HORZ SPREAD: 0.620

VERT SPREAD: 2.060

GROUP SPREAD: 2.060

MIN RADIUS: 0.155

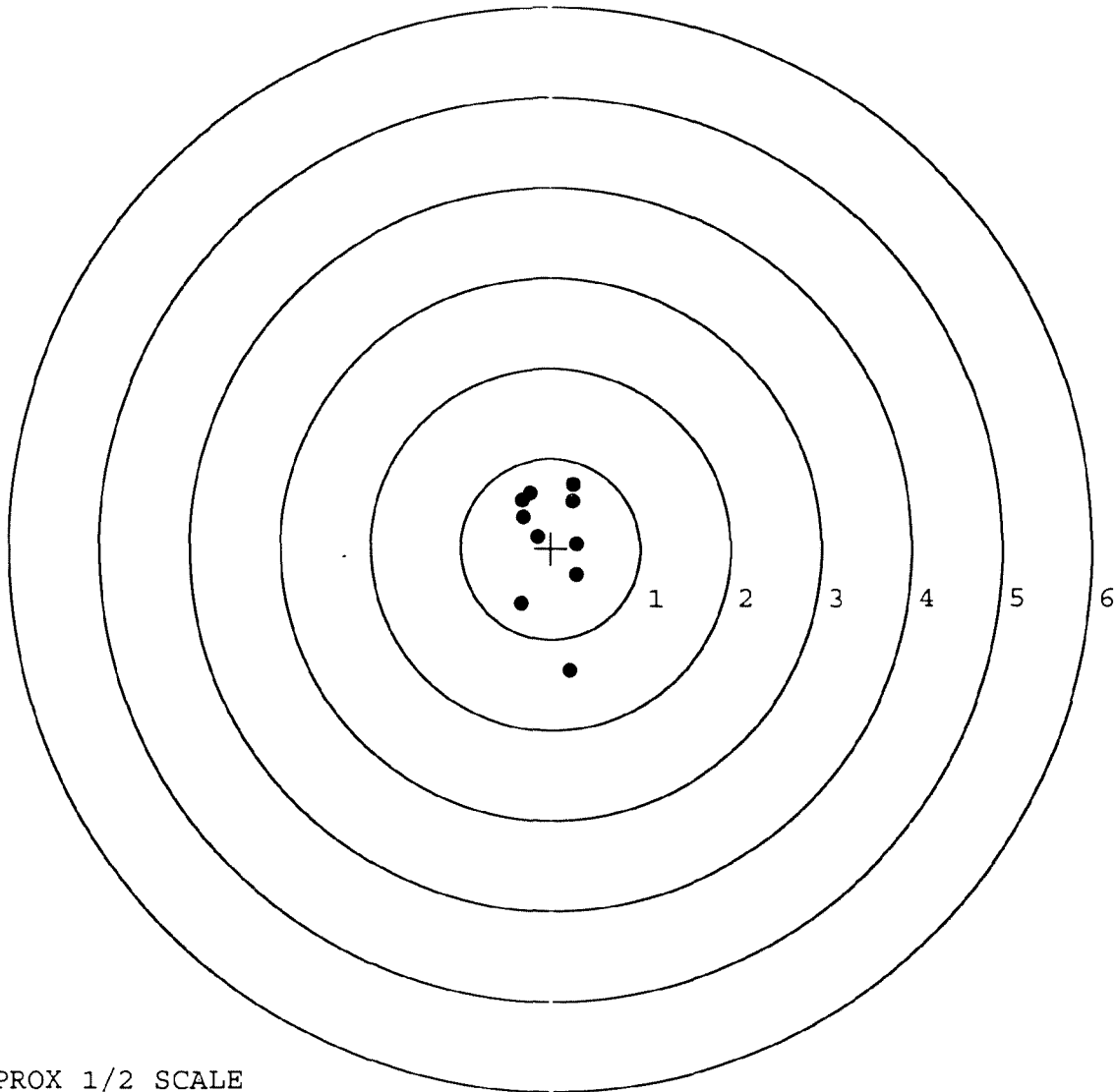
MAX RADIUS: 1.432

MEAN RADIUS: 0.588

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



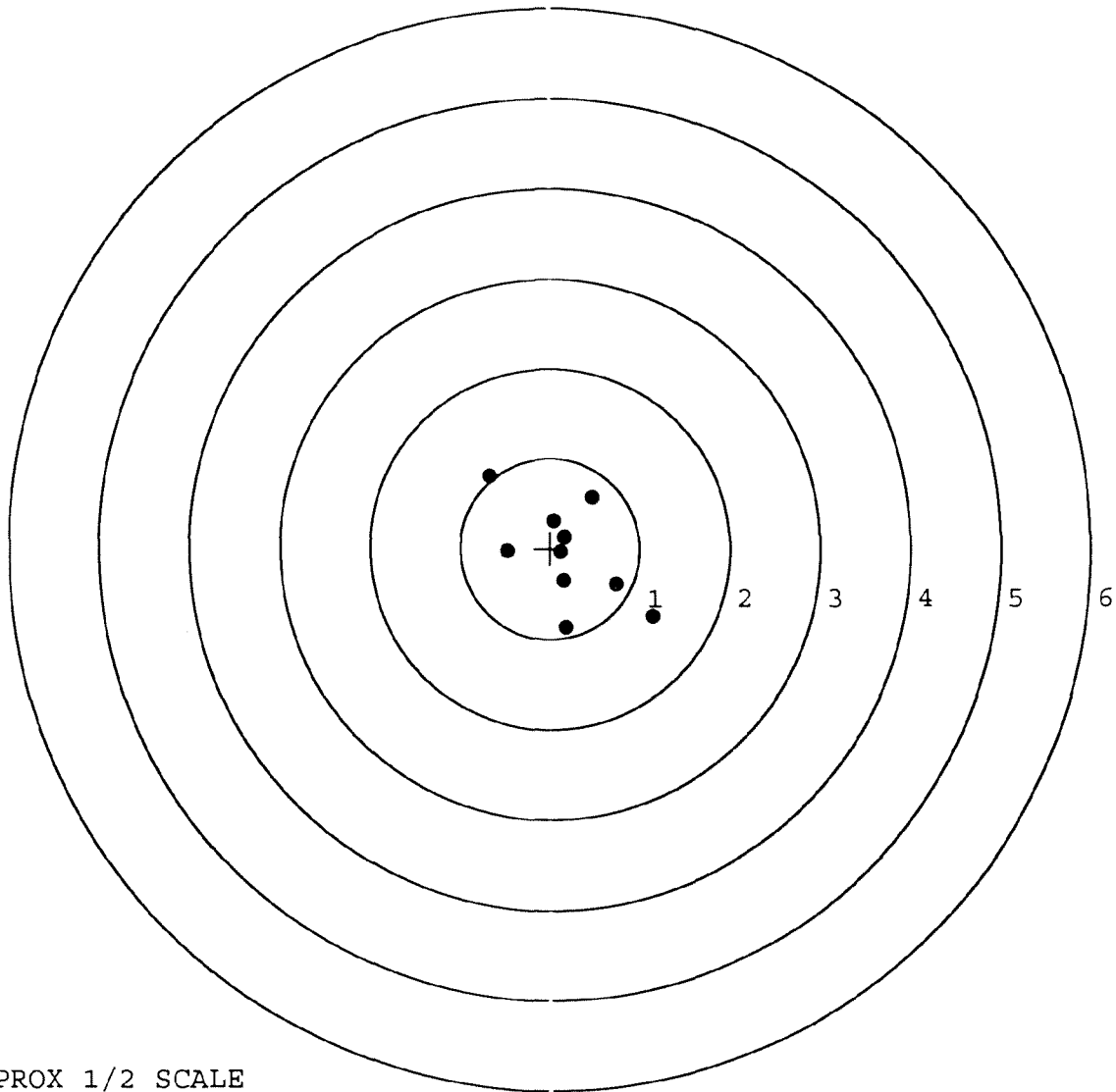
TARGET APPROX 1/2 SCALE

**BARBER - M24 0024039**

SERIAL NUMBER: C6587628. \_\_0  
 TARGET NUMBER: 3  
 FILE DATE: 09/05/2008  
 FILE TIME: 13:04

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.143  | -0.752 |
| 2:     | 0.734  | -0.400 |
| 3:     | 0.186  | -0.874 |
| 4:     | 0.159  | -0.365 |
| 5:     | 0.116  | -0.045 |
| 6:     | 0.161  | 0.124  |
| 7:     | 0.479  | 0.563  |
| 8:     | 0.048  | 0.300  |
| 9:     | -0.485 | -0.031 |
| 10:    | -0.679 | 0.801  |

X CENTROID: 0.186  
 Y CENTROID: -0.068  
 POA TO CENTROID: 0.198  
 HORZ SPREAD: 1.822  
 VERT SPREAD: 1.675  
 GROUP SPREAD: 2.394  
 MIN RADIUS: 0.074  
 MAX RADIUS: 1.226  
 MEAN RADIUS: 0.618  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



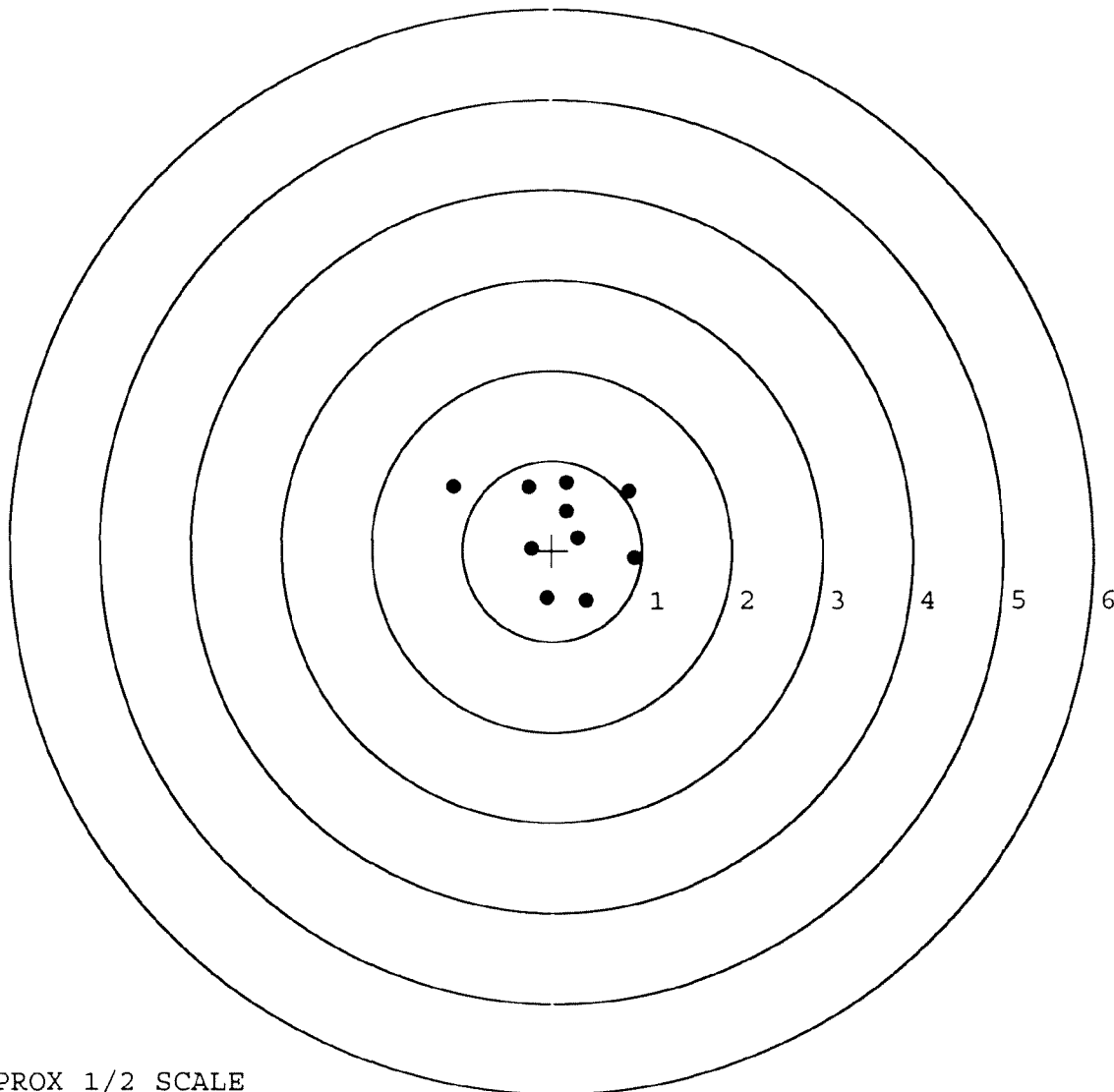
TARGET APPROX 1/2 SCALE

**BARBER - M24 0024040**

SERIAL NUMBER: C6587628. \_\_0  
 TARGET NUMBER: 4  
 FILE DATE: 09/05/2008  
 FILE TIME: 13:04

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.917  | -0.086 |
| 2:     | 0.384  | -0.556 |
| 3:     | -0.055 | -0.527 |
| 4:     | 0.855  | 0.663  |
| 5:     | 0.296  | 0.144  |
| 6:     | 0.173  | 0.438  |
| 7:     | 0.170  | 0.759  |
| 8:     | -0.254 | 0.702  |
| 9:     | -0.227 | 0.025  |
| 10:    | -1.090 | 0.704  |

X CENTROID: 0.117  
 Y CENTROID: 0.227  
 POA TO CENTROID: 0.255  
 HORZ SPREAD: 2.007  
 VERT SPREAD: 1.315  
 GROUP SPREAD: 2.157  
 MIN RADIUS: 0.197  
 MAX RADIUS: 1.298  
 MEAN RADIUS: 0.657  
 # IN 1 IN DIAMETER: 3  
 # IN 2 IN DIAMETER: 9  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0024041**

SERIAL NUMBER: C6587628. \_\_0

TARGET NUMBER: 5

FILE DATE: 09/05/2008

FILE TIME: 13:04

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.117  | -0.623 |
| 2:     | -0.147 | -0.561 |
| 3:     | -0.479 | -0.312 |
| 4:     | -0.422 | -0.177 |
| 5:     | -0.358 | -0.019 |
| 6:     | 0.142  | -0.097 |
| 7:     | 0.397  | -0.242 |
| 8:     | 0.619  | 0.014  |
| 9:     | 0.288  | 0.261  |
| 10:    | 0.399  | 0.692  |

X CENTROID: 0.056

Y CENTROID: -0.106

POA TO CENTROID: 0.120

HORZ SPREAD: 1.098

VERT SPREAD: 1.315

GROUP SPREAD: 1.367

MIN RADIUS: 0.087

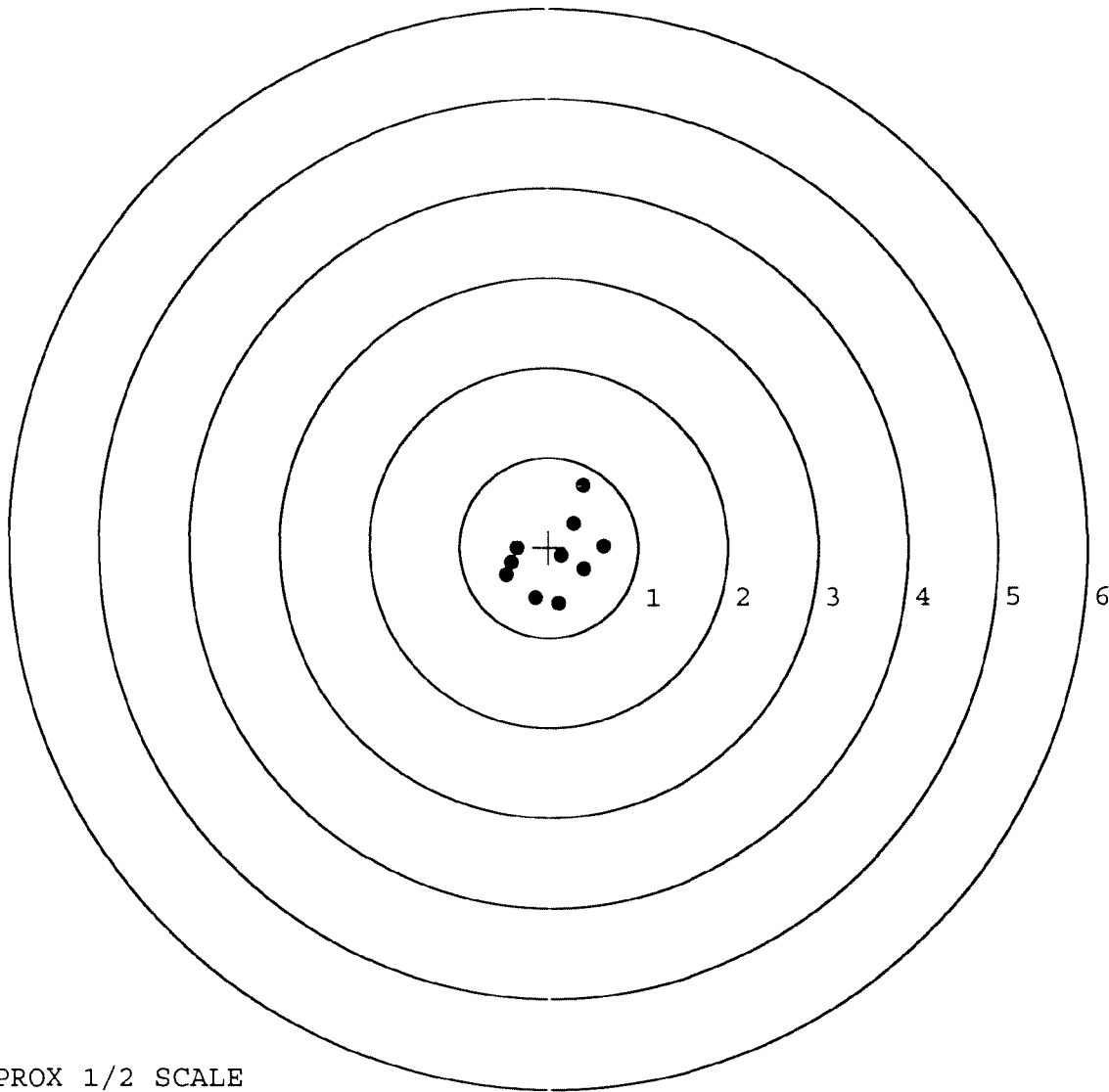
MAX RADIUS: 0.869

MEAN RADIUS: 0.483

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R &amp; E NUMBER

13624B

SERIAL NUMBER

06587628

LOG-IN DATE

11-2-07

| OPERATION # | OPERATION NAME       | DATE                            | INITIAL |
|-------------|----------------------|---------------------------------|---------|
| 500         | DIS-ASSEMBLE GUN     | 7-11-08                         | RTZ     |
| 505         | RE-BARREL            | 7-18-08                         | RTZ     |
| 560         | ASSEMBLE             | 7-15-08                         | RSN     |
| 600         | PROOF                | 7-16-08                         | TRW     |
| 605         | CHECK HEADSPACE      | 7-16-08                         | TRW     |
| 610         | DIS-ASSEMBLE GUN     | 7-18-08                         | RTZ     |
| 612         | MAGNAFLUX            | 7/25/08                         | NA      |
| 510         | DRILL AND TAP        | 7-19-08                         | SP      |
| 615         | ROLLMARK CALIBER     | 7/25/08                         | RT      |
| 618         | ROTO-BLAST           | 7/26/08                         | DS      |
| 620         | APPLY COATINGS       | 8-1                             | C       |
| 625         | FINAL ASSEMBLY       | 8-6-08                          | RTZ     |
| 640         | FUNCTION TEST AND    | 8-4-08                          | RTZ     |
| 650         | TARGET               | 8-4-08                          | RTZ     |
|             | MALFUNCTION          | CORRECTION                      |         |
|             | MALFUNCTION          | CORRECTION                      |         |
|             | MALFUNCTION          | CORRECTION                      |         |
|             | MALFUNCTION          | CORRECTION                      |         |
| 670         | FINAL INSPECTION     | 8-4-08                          | RTZ     |
|             | A) HEADSPACE         | 9-10-08                         | RTZ     |
|             | B) TRIGGER PULL      | 2-89 2-48 2-43 2-34 2-31 9-8-08 | RSN     |
| 680         | F) SAFETY ON FORCE   | 525 525 525 9-8-08              | RTZ     |
|             | G) SAFETY OFF FORCE  | 40 40 40 9-8-08                 | RTZ     |
|             | I) FIRING PIN INDENT | 022 022 022 9-8-08              | RTZ     |
| 690         | PACK                 | 9-10-08                         | TL      |

# BARBER M24 0024083 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18328

INITIAL

CUSTOMER ORDER NO.

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT

FDC

DAAA09-92-C-0834

ATTN: FRED MARTIN

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

06/11/94

06/11/94

C6587628

700 7.62

NATO

ACCESSORIES

SLING STRAP

HARD CASE

SCOPE MNTS

SCOPE BASE

90-0883

FROM:

SHIP TO:

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON

AL  
36201-5025

CUST NO: 098397 C.O.D.L.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

☐ NEW

☐ LIGHTLY WORN

☐ WORN

☐ VERY WORN

☐ UNREPAIRABLE

☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

REC. ASSY.

B5

D2

WOOD

C1

D3

METAL

C2

E5

F5

MAIN FAULT

PARTS

COMMENTS

Trigger Assy 173.71  
Scope Rep 119.43  
Clean/Insp/Prop 50.00  
343.14

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0024083

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. C6587628DATE 10-20-95TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |  | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|--|------------------------------------------------------------------------|
| PULL #1 | 2.44             | 2.74                     | 2.66                           |  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.74             | 2.66                     | 2.61                           |  |                                                                        |
| PULL #3 | 2.75             | 2.47                     | 2.54                           |  |                                                                        |
| PULL #4 | 2.75             | 2.67                     | 2.59                           |  |                                                                        |
| PULL #5 | 2.80             | 2.67                     | 2.70                           |  |                                                                        |
| TOTAL   | 13.48            | 13.21                    | 13.10                          |  |                                                                        |
| AVG.    | 2.69             | 2.64                     | 2.62                           |  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.00             | 2.95                     |  |          |
| PULL #2 | 3.05             | 2.96                     |  |          |
| PULL #3 | 3.00             | 2.97                     |  |          |
| PULL #4 | 3.00             | 3.00                     |  |          |
| PULL #5 | 2.98             | 3.05                     |  |          |
| TOTAL   | 15.03            | 14.93                    |  |          |
| AVG.    | 3.00             | 2.98                     |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.06             | 4.05                     | 4.15                           |                                      |
| PULL #2 | 4.00             | 4.16                     | 4.11                           |                                      |
| PULL #3 | 3.97             | 4.08                     | 4.00                           |                                      |
| PULL #4 | 3.97             | 4.09                     | 4.12                           |                                      |
| PULL #5 | 3.94             | 4.17                     | 4.14                           |                                      |
| TOTAL   | 19.94            | 20.55                    | 20.52                          |                                      |
| AVG.    | 3.98             | 4.11                     | 4.10                           |                                      |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587628

| OP. #        | OP. NAME                                                       | READINGS | DATE | INITIAL |
|--------------|----------------------------------------------------------------|----------|------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          |      |         |
| 600          | Proof                                                          |          |      |         |
| 607          | Check Headspace                                                |          |      |         |
| 610          | Dis-assemble Gun                                               |          |      |         |
| 612          | Magnaflux Barrel<br>Action                                     |          |      |         |
|              | Magnaflux Bolt                                                 |          |      |         |
| 615          | Rollmark Caliber                                               |          |      |         |
| 617          | Drill and Tap Sight Holes                                      |          |      |         |
| 618          | Polish Barrel                                                  |          |      |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |      |         |
|              | Apply Coating (Bolt)                                           |          |      |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |      |         |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |      |         |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |      |         |
|              | D) Oil Firing Pin Ass'y                                        |          |      |         |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |      |         |

**BARBER - M24 0024046**

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE  | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|-------|------|
| 625<br>cont. | F) Safety On Force                                          | 6 1/2    | 6 1/4 | 6 1/4 |      |      | 11/78 | W.B. |
|              | G) Safety Off Force                                         | 3 1/4    | 3     | 3 1/4 |      |      | 11/78 | W.B. |
|              | 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                                             | 2.20     | 2.21  | 2.23  | 2.18 | 2.19 | 11/78 | W.B. |
|              | C) Function                                                 |          |       |       |      |      |       |      |
| 660          | Pack                                                        |          |       |       |      |      |       |      |

**Remington**<sup>®</sup>

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

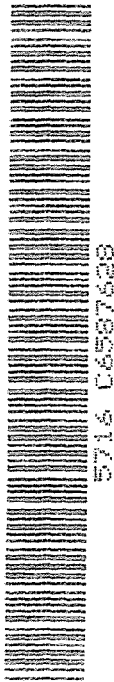
**DUPONT**  
REG. U.S. PAT. & TM. OFF.

**MODEL 700<sup>TM</sup> M24**

**SERIAL NO. C6587628**

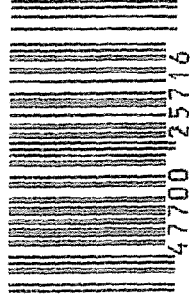
**ORDER NO. 5716**

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



5716 C6587628

UPC

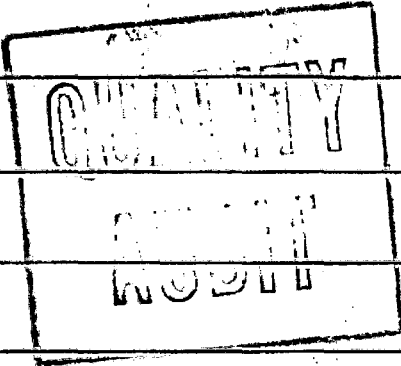


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587628

| OP. #     | OP. NAME                                                 | READINGS                                                                           | DATE     | INIT |
|-----------|----------------------------------------------------------|------------------------------------------------------------------------------------|----------|------|
| 575 & 580 | Assemble Action and Stock                                |  | 10/22/90 | KS   |
| 600       | Proof                                                    |                                                                                    | 10/22/90 | KS   |
| 607       | Check Headspace                                          |                                                                                    | 10/22/90 | KS   |
| 610       | Dis-assemble Gun                                         |                                                                                    | 10/22/90 | KS   |
| 612       | Magnaflux Barrel Action                                  |                                                                                    | 10/24/90 | KR   |
|           | Magnaflux Bolt                                           |                                                                                    | 4        | KR   |
| 615       | Rollmark Caliber                                         |                                                                                    | 4        | JS   |
| 617       | Drill and Tap Sight Holes                                |                                                                                    | 10/25/90 | KB   |
| 618       | Polish Barrel <i>RB</i>                                  |                                                                                    | 10/26/90 | WB   |
| 620       | Apply Coatings (Barrel Action)                           |                                                                                    | 11-7-90  | JS   |
|           | Apply Coating (Bolt)                                     |                                                                                    |          |      |
| 625       | Final Assembly                                           |                                                                                    |          |      |
|           | A) Clean inside of Bolt Assembly                         |                                                                                    | 11/7/90  | KS   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                                                                                    | 11/7/90  | KS   |
|           | C) Inspect Ejector Hole for Chamfer                      |                                                                                    | 11/7/90  | KS   |
|           | D) Oil Firing Pin Ass'y                                  |                                                                                    | 11/7/90  | KS   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                                                                                    | 11/21/90 | WB   |

| op. #        | BARBER - M24 0024049                                        | READINGS |       |       | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 | 11/26/90 | WLB  |
|              | G) Safety Off Force                                         | 7 1/2    | 7 1/2 | 7 1/2 | 11/26/90 | WLB  |
|              | H) Trigger Pull Test & Retainability                        |          |       |       | 11/21/90 | WLB  |
|              | I) Firing Pin Indent                                        | 0205     | 0205  | 0205  | 11/26/90 | WLB  |
|              | J) Assemble Stock                                           |          |       |       | 11/28/90 | KS   |
|              | K) Assemble Swivel Studs                                    |          |       |       | 12-1-90  | Q28  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       | 11/28/90 | KS   |
|              | M) Iron Sight Alignment                                     |          |       |       | 11/28/90 | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       | 11/28/90 | KS   |
|              | O) Attach Scope to Rifle                                    |          |       |       | 11/28/90 | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       | 11/28/90 | KS   |
| 640          | Gallery Target & Test                                       |          |       |       | 11-30-90 | AC   |
|              | A) Time                                                     |          |       |       | 11-30-90 | AC   |
|              | B) Malfunctions                                             |          |       |       | 11-30-90 | AC   |
|              | C) Pierced Primers                                          |          |       |       | 11-30-90 | AC   |
|              | D) Optical Clarity of Scope                                 |          |       |       | 11-30-90 | AC   |
| 645          | Inspect for Live Ammo                                       |          |       |       | 11-30-90 | AC   |
| 655          | Final Inspection                                            |          |       |       |          |      |
|              | A) Headspace                                                |          |       |       | 12-1-90  | Q28  |
|              | B) Trigger Pull                                             | 271      | 272   | 271   | 12-1-90  | Q28  |
|              | C) Function                                                 |          |       |       | 12-1-90  | Q28  |
| 660          | Pack                                                        |          |       |       | 12/14/90 | NF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587628

DATE 11/21/90

TESTER WB

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.54             | 2.52                     | 2.57                           | 2.71 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.44             | 2.49                     | 2.57                           | 2.72 |                                                                        |
| PULL #3 | 2.48             | 2.52                     | 2.59                           | 2.71 |                                                                        |
| PULL #4 | 2.34             | 2.52                     | 2.56                           | 2.69 |                                                                        |
| PULL #5 | 2.38             | 2.54                     | 2.57                           | 2.72 |                                                                        |
| TOTAL   | 12.18            | 12.59                    | 12.86                          |      |                                                                        |
| AVG.    | 2.43             | 2.52                     | 2.57                           |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.13             | 3.17                     |  |          |
| PULL #2 | 3.08             | 3.16                     |  |          |
| PULL #3 | 3.07             | 3.12                     |  |          |
| PULL #4 | 3.09             | 3.13                     |  |          |
| PULL #5 | 3.10             | 3.15                     |  |          |
| TOTAL   | 15.47            | 15.73                    |  |          |
| AVG.    | 3.09             | 3.14                     |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.22             | 4.00                     |                                | 4.10                                 |
| PULL #2 | 4.23             | 4.02                     |                                | 4.17                                 |
| PULL #3 | 4.22             | 4.11                     |                                | 4.17                                 |
| PULL #4 | 4.24             | 4.07                     |                                | 4.14                                 |
| PULL #5 | 4.16             | 4.11                     |                                | 4.12                                 |
| TOTAL   | 21.07            | 20.31                    |                                | 20.70                                |
| AVG.    | 4.21             | 4.06                     |                                | 4.14                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06587628  
30 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .428141 |
| 1 TO | 2 | .581041 |
| 1 TO | 3 | .750096 |
| 1 TO | 4 | .1314   |
| 1 TO | 5 | .58846  |

5  
3rd 4 (----POA

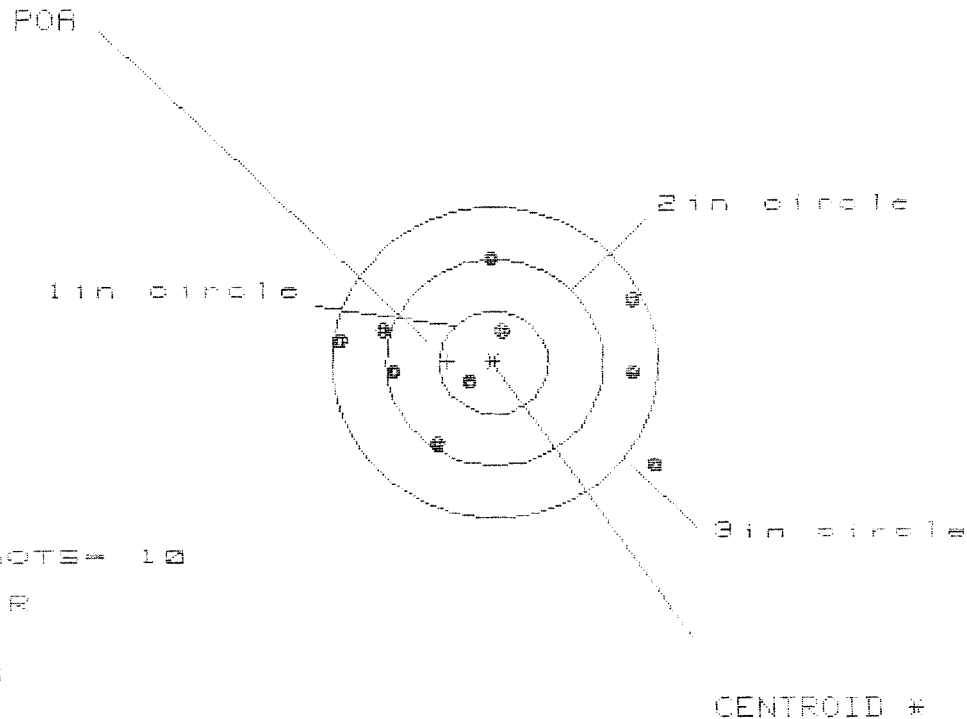
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0884  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .073  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .11311  
THE AMR FOR THIS RIFLE IS: 1.02

08 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08587828

## CENTERFIRE PATTERNS

# 1



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.902

VS= 2.000

GS= 3.159

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.490

1.441

1.285

MINIMUM X

-1.412

-1.246

-.984

MAXIMUM Y

.964

.849

.861

MINIMUM Y

-1.036

-.876

-.864

CENTROID X

.428

.262

.418

CENTROID Y

-.011

.104

.092

POA TO CENTROID in.

.428

.282

.428

MIN RADIUS

.296

.319

.210

MEAN RADIUS

1.036

.923

.882

MAX RADIUS

1.815

1.511

1.368

HORIZONTAL SPREAD

2.902

2.687

2.269

VERTICAL SPREAD

2.000

1.725

1.725

EXTREME SPREAD

3.159

2.711

2.291

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

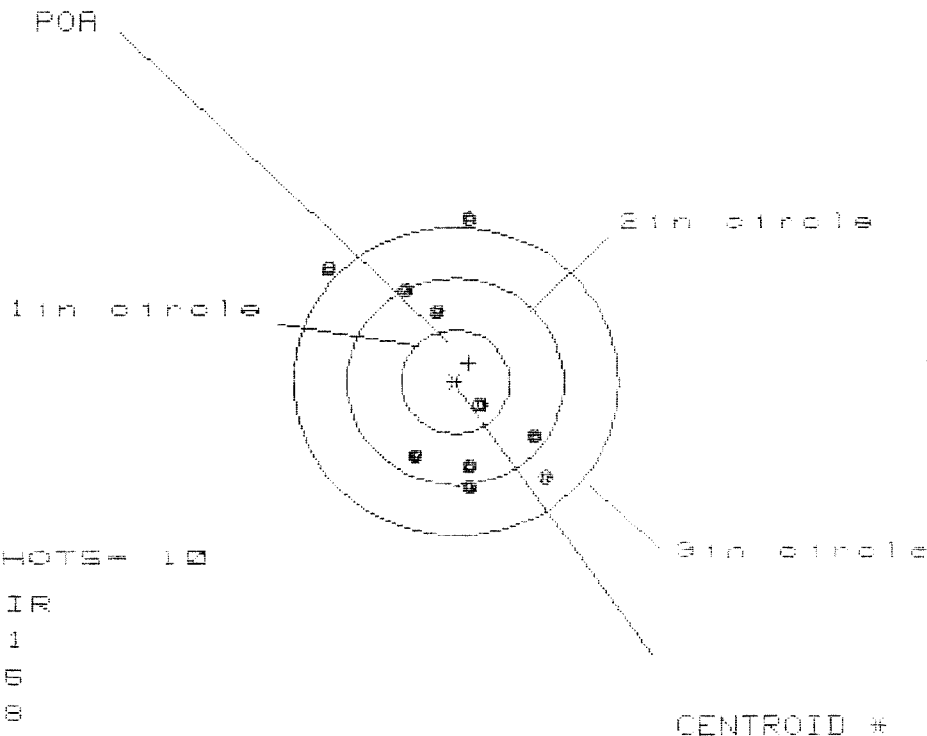
NUMBER IN THREE INCH CIRCLE =

9

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FILE:/PATTERNING/CENTERFIRE\_PATT/08507628

## CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS = 1.957

VS = 2.644

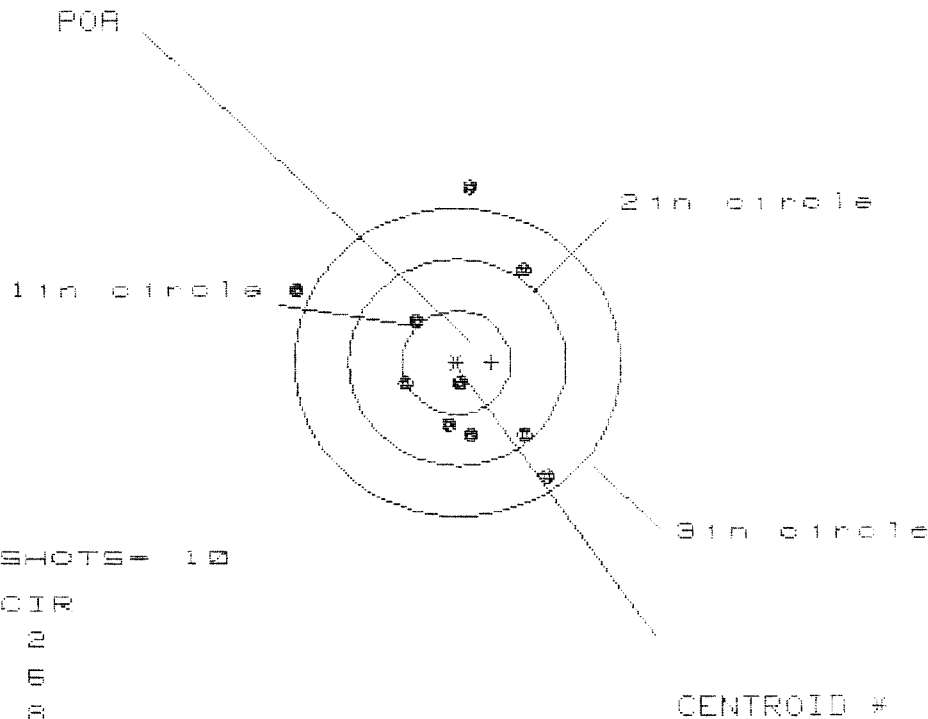
GS = 2.783

| PATTERN #                   | : | 2      |
|-----------------------------|---|--------|
| SHOTS (BEST OF)             | : | 10     |
| MAXIMUM X                   | : | .777   |
| MINIMUM X                   | : | -1.180 |
| MAXIMUM Y                   | : | 1.598  |
| MINIMUM Y                   | : | -1.046 |
| CENTROID X                  | : | -.127  |
| CENTROID Y                  | : | -.183  |
| POA TO CENTROID in.         | : | .223   |
| MIN RADIUS                  | : | .311   |
| MEAN RADIUS                 | : | 1.000  |
| MAX RADIUS                  | : | 1.602  |
| HORIZONTAL SPREAD           | : | 1.957  |
| VERTICAL SPREAD             | : | 2.644  |
| EXTREME SPREAD              | : | 2.783  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |
| NUMBER IN THREE INCH CIRCLE | = | 8      |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.223

VS = 2.808

GS = 2.894

| PATTERN #                   | 3      | 3      | 3     |
|-----------------------------|--------|--------|-------|
| SHOTS (BEST OF)             | 10     | 9      | 8     |
| MAXIMUM X                   | .788   | .797   | .619  |
| MINIMUM X                   | -1.435 | -1.426 | -.609 |
| MAXIMUM Y                   | 1.665  | 1.059  | 1.163 |
| MINIMUM Y                   | -1.143 | -.958  | -.853 |
| CENTROID X                  | -.322  | -.331  | -.153 |
| CENTROID Y                  | .001   | -.184  | -.289 |
| POR TO CENTROID in.         | .322   | .379   | .327  |
| MIN RADIUS                  | .198   | .028   | .179  |
| MEAN RADIUS                 | .925   | .790   | .682  |
| MAX RADIUS                  | 1.667  | 1.652  | 1.263 |
| HORIZONTAL SPREAD           | 2.223  | 2.223  | 1.228 |
| VERTICAL SPREAD             | 2.808  | 2.017  | 2.017 |
| EXTREME SPREAD              | 2.894  | 2.856  | 2.021 |
| NUMBER IN ONE INCH CIRCLE = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE = |        | 6      |       |

**BARBER - M24 0024055**

NUMBER IN THREE INCH CIRCLE =

8

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FILE:/PATTERNING/CENTERFIRE\_PATT/08587820

## CENTERFIRE PATTERNS

# 4

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.743

VS = 2.714

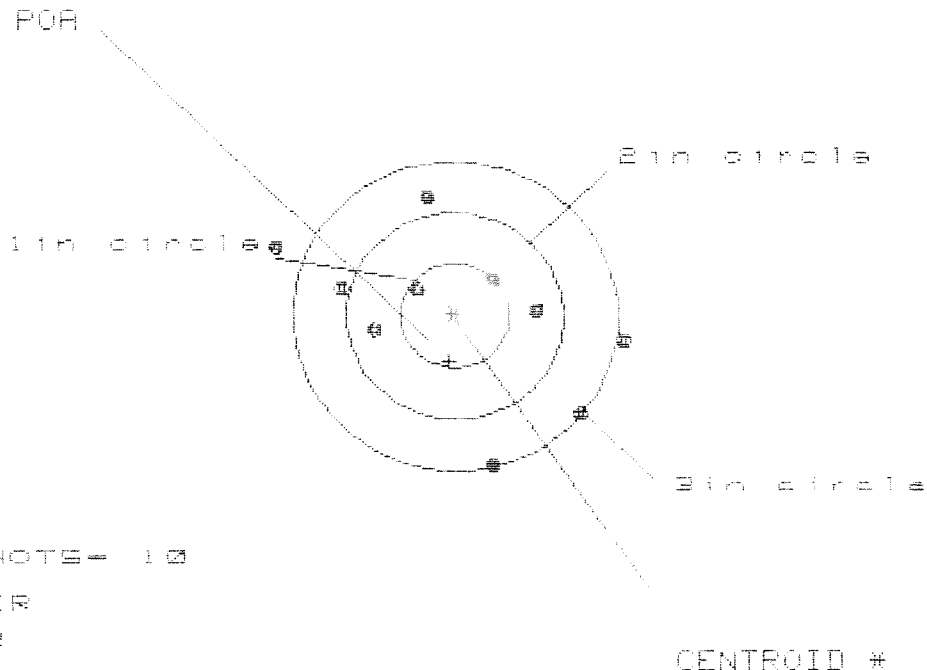
GS = 3.122

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.492  | 1.389  | 1.195  |
| MINIMUM X                   | : | -1.250 | -1.354 | -1.181 |
| MAXIMUM Y                   | : | 1.370  | 1.220  | 1.271  |
| MINIMUM Y                   | : | -1.344 | -1.184 | -1.133 |
| CENTROID X                  | : | .403   | .506   | .333   |
| CENTROID Y                  | : | .118   | .268   | .217   |
| POA TO CENTROID in.         | : | .420   | .573   | .397   |
| MIN RADIUS                  | : | .402   | .259   | .353   |
| MEAN RADIUS                 | : | 1.045  | .966   | .882   |
| MAX RADIUS                  | : | 1.637  | 1.447  | 1.441  |
| HORIZONTAL SPREAD           | : | 2.743  | 2.743  | 2.376  |
| VERTICAL SPREAD             | : | 2.714  | 2.404  | 2.404  |
| EXTREME SPREAD              | : | 3.122  | 2.892  | 2.539  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 4

3in = 8

HS = 3.181

VS = 2.598

GS = 3.361

| PATTERN #                     | 5      | 5      | 5      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.570  | 1.391  | 1.116  |
| MINIMUM X                     | -1.611 | -1.272 | -1.099 |
| MAXIMUM Y                     | 1.166  | 1.239  | 1.219  |
| MINIMUM Y                     | -1.432 | -1.359 | -1.379 |
| CENTROID X                    | .050   | .229   | .056   |
| CENTROID Y                    | .440   | .367   | .387   |
| POA TO CENTROID in.           | .443   | .433   | .391   |
| MIN RADIUS                    | .418   | .452   | .454   |
| MEAN RADIUS                   | 1.095  | 1.024  | .959   |
| MAX RADIUS                    | 1.739  | 1.399  | 1.416  |
| HORIZONTAL SPREAD             | 3.181  | 2.663  | 2.215  |
| VERTICAL SPREAD               | 2.598  | 2.598  | 2.598  |
| EXTREME SPREAD                | 3.361  | 2.699  | 2.651  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |