

CE587721

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



# 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: RE00155576

Serial: C6587721 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 11/19/2008 9:55:11 AM

### Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DIRECTORATE OF EMERGENCY SERVICES

DIRECTORATE OF EMERGENCY SERVICES

Address 1: 218 BROOKE ST BLDG 212

218 BROOKE ST BLDG 212

Address 2: PO Box:

PO Box:

City: FORT BUCHANAN

FORT BUCHANAN

State: PR Zip Code: 00934

Country: XX

State: PR Zip Code: 00934

Country: XX

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   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A045 | Bi Pod                | 1   |
| A057 | Frt and Rear Sgt Base | 1   |

### Repair Search

### Refresh

### Close

nagletj

11/19/2008

10:00 AM

04PS

NUM

INS

SCRL



10:00 AM

Serial Number:

C6587721

Model: M24 SWS



RE00155576

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

R & E NUMBER 155576  
SERIAL NUMBER C6587721  
LOG-IN DATE 11-19-08

| OPERATION # | OPERATION NAME       | DATE                | INITIAL  |
|-------------|----------------------|---------------------|----------|
| 500         | DIS-ASSEMBLE GUN     | 12-4-08             | RTZ      |
| 505         | RE-BARREL            | 12-8-08             | RTZ      |
| 560         | ASSEMBLE             | 12-8-08             | RTZ      |
| 600         | PROOF                | 12-8-08             | RTZ      |
| 605         | CHECK HEADSPACE      | 12-8-08             | RTZ      |
| 610         | DIS-ASSEMBLE GUN     | 12-8-08             | RTZ      |
| 612         | MAGNAFLUX            | 12-14-08            | RTZ      |
| 510         | DRILL AND TAP        | 12-11-08            | SP       |
| 615         | ROLLMARK CALIBER     | 12-15-08            | RT       |
| 618         | ROTO-BLAST           |                     |          |
| 620         | APPLY COATINGS       | 12-22-08            |          |
| 625         | FINAL ASSEMBLY       | 12-23-08            | RTZ      |
| 640         | FUNCTION TEST AND    | 12-29-08            | RTZ      |
| 650         | TARGET               | 12-29-08            | RTZ      |
|             | MALFUNCTION          | CORRECTION          |          |
|             | MALFUNCTION          | CORRECTION          |          |
|             | MALFUNCTION          | CORRECTION          |          |
|             | MALFUNCTION          | CORRECTION          |          |
| 670         | FINAL INSPECTION     | 12-29-08            | RTZ      |
|             | A) HEADSPACE         | 12-30-08            | RTZ      |
|             | B) TRIGGER PULL      | 279 278 278 277 278 | 12-30-08 |
| 680         | F) SAFETY ON FORCE   | 50 50 60            | 12-30-08 |
|             | G) SAFETY OFF FORCE  | 60 50 60            | 12-30-08 |
|             | I) FIRING PIN INDENT | .024 .024 .024      | 12-30-08 |
| 690         | PACK                 | 1/5/09              | RTZ      |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587721. \_\_0  
FILE DATE AND TIME: 12/30/2008 05:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.131  |
| The Average Y Centroid of the Five Target Set:              | -0.054 |
| The Average Point of Impact of the Five Target Set:         | 0.141  |
| The Average Mean Radius of the Five Target Set:             | 0.571  |
| The Distance from POA to Centroid Target #1:                | 0.239  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.406  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.347  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.276  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.355  |

SERIAL NUMBER: C6587721. \_\_0

TARGET NUMBER: 1

FILE DATE: 12/30/2008

FILE TIME: 05:40

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.649  | -0.954 |
| 2:     | 0.370  | -0.549 |
| 3:     | 0.712  | -0.031 |
| 4:     | 0.015  | 0.197  |
| 5:     | -0.362 | 0.159  |
| 6:     | -0.812 | 0.393  |
| 7:     | -0.382 | -0.205 |
| 8:     | -0.104 | -0.341 |
| 9:     | -0.239 | -0.516 |
| 10:    | -0.616 | -0.414 |

X CENTROID: -0.077

Y CENTROID: -0.226

POA TO CENTROID: 0.239

HORZ SPREAD: 1.524

VERT SPREAD: 1.347

GROUP SPREAD: 1.987

MIN RADIUS: 0.118

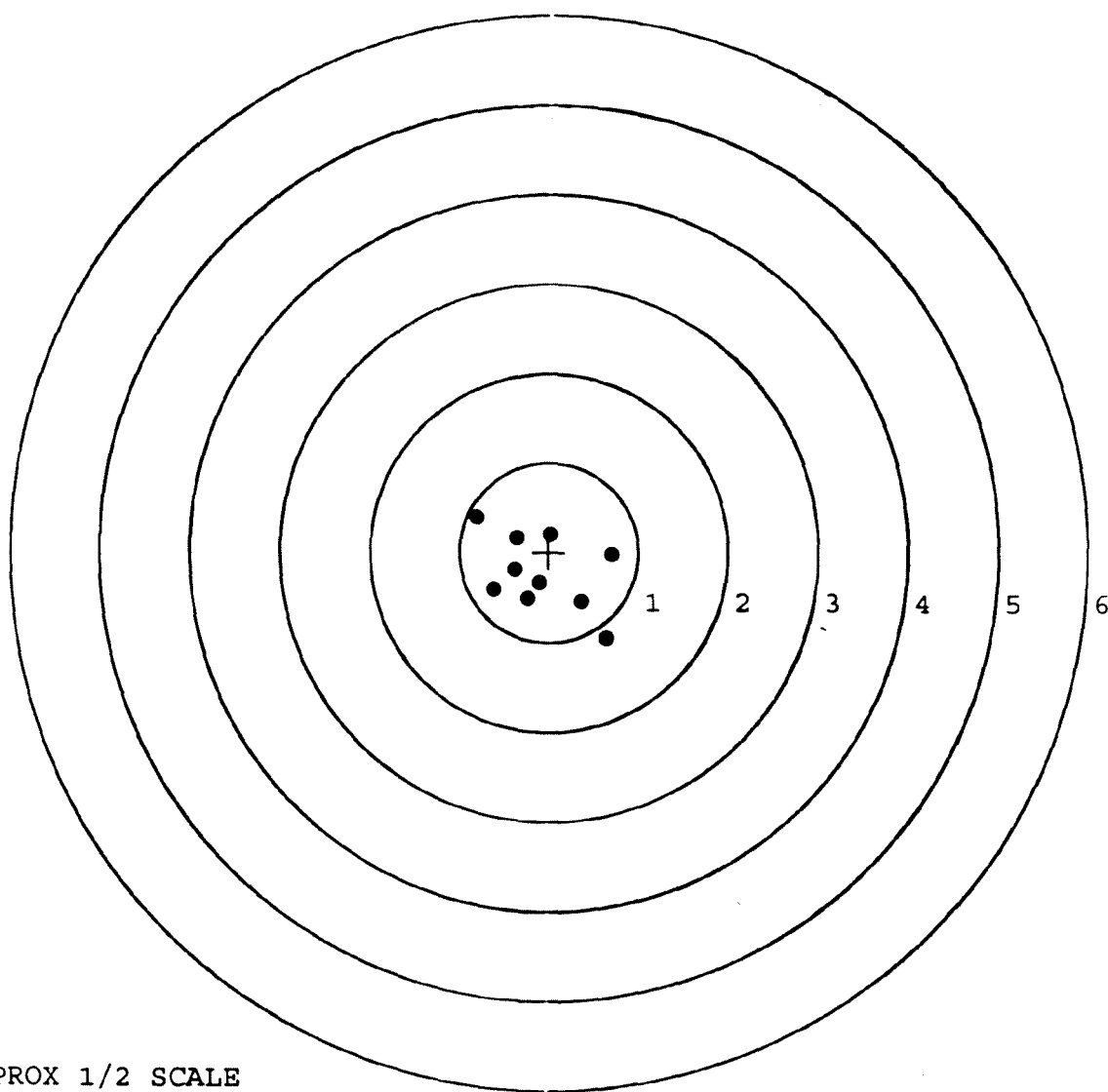
MAX RADIUS: 1.028

MEAN RADIUS: 0.559

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587721. \_\_ 0

TARGET NUMBER: 2

FILE DATE: 12/30/2008

FILE TIME: 05:40

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.354 | 1.334  |
| 2:     | 0.046  | 0.430  |
| 3:     | 0.167  | 0.287  |
| 4:     | 0.290  | 0.225  |
| 5:     | 0.652  | 0.019  |
| 6:     | 1.110  | -0.382 |
| 7:     | 0.651  | -0.569 |
| 8:     | 0.231  | -0.363 |
| 9:     | 0.072  | -0.593 |
| 10:    | -0.234 | -0.436 |

X CENTROID: 0.263

Y CENTROID: -0.005

POA TO CENTROID: 0.263

HORZ SPREAD: 1.464

VERT SPREAD: 1.927

GROUP SPREAD: 2.256

MIN RADIUS: 0.231

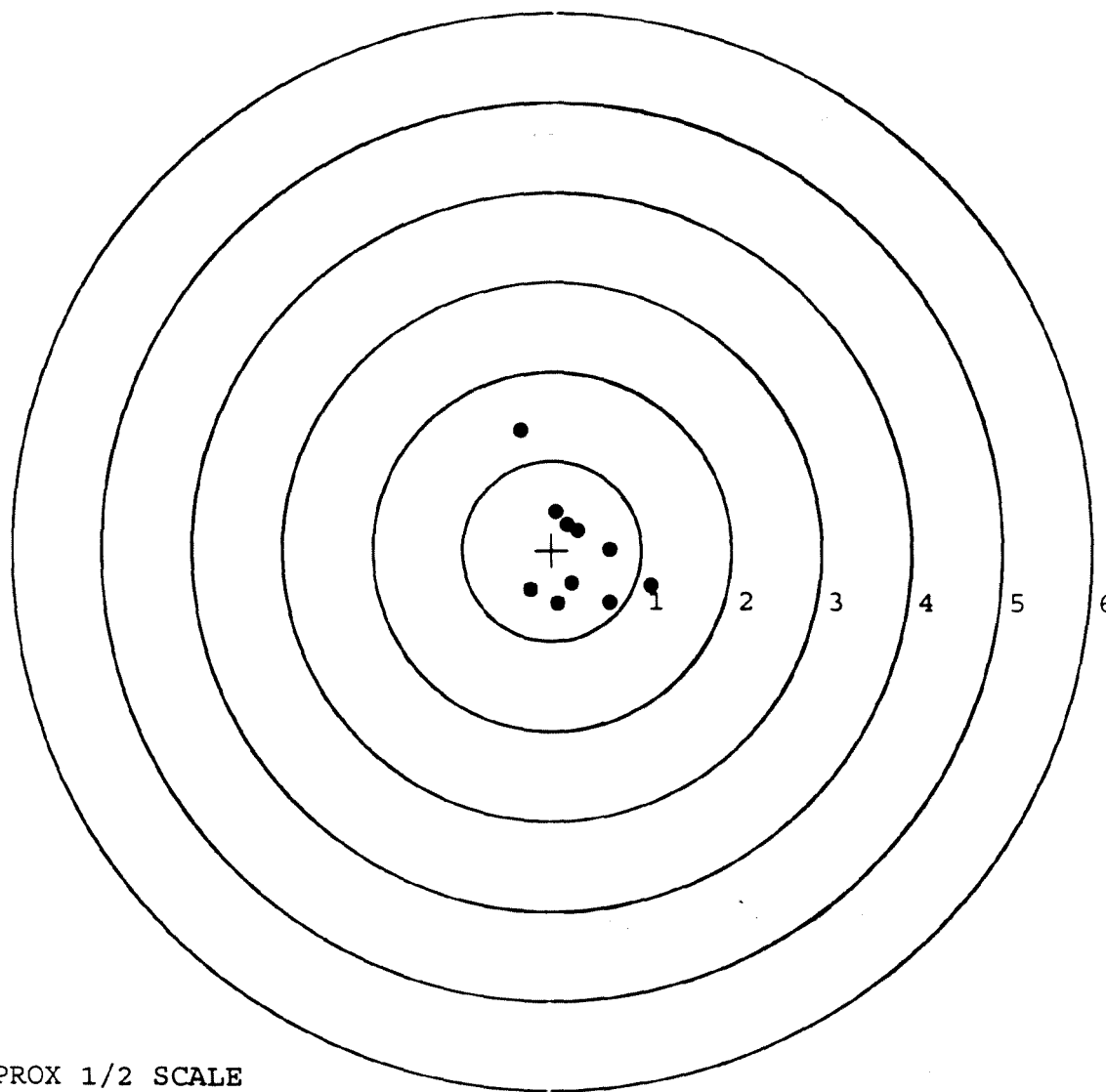
MAX RADIUS: 1.474

MEAN RADIUS: 0.614

# IN 1 IN DIAMETER: 5

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587721. \_\_0

TARGET NUMBER: 3

FILE DATE: 12/30/2008

FILE TIME: 05:40

X CENTROID: 0.238

Y CENTROID: -0.081

POA TO CENTROID: 0.252

HORZ SPREAD: 1.811

VERT SPREAD: 1.245

GROUP SPREAD: 1.856

MIN RADIUS: 0.056

MAX RADIUS: 1.171

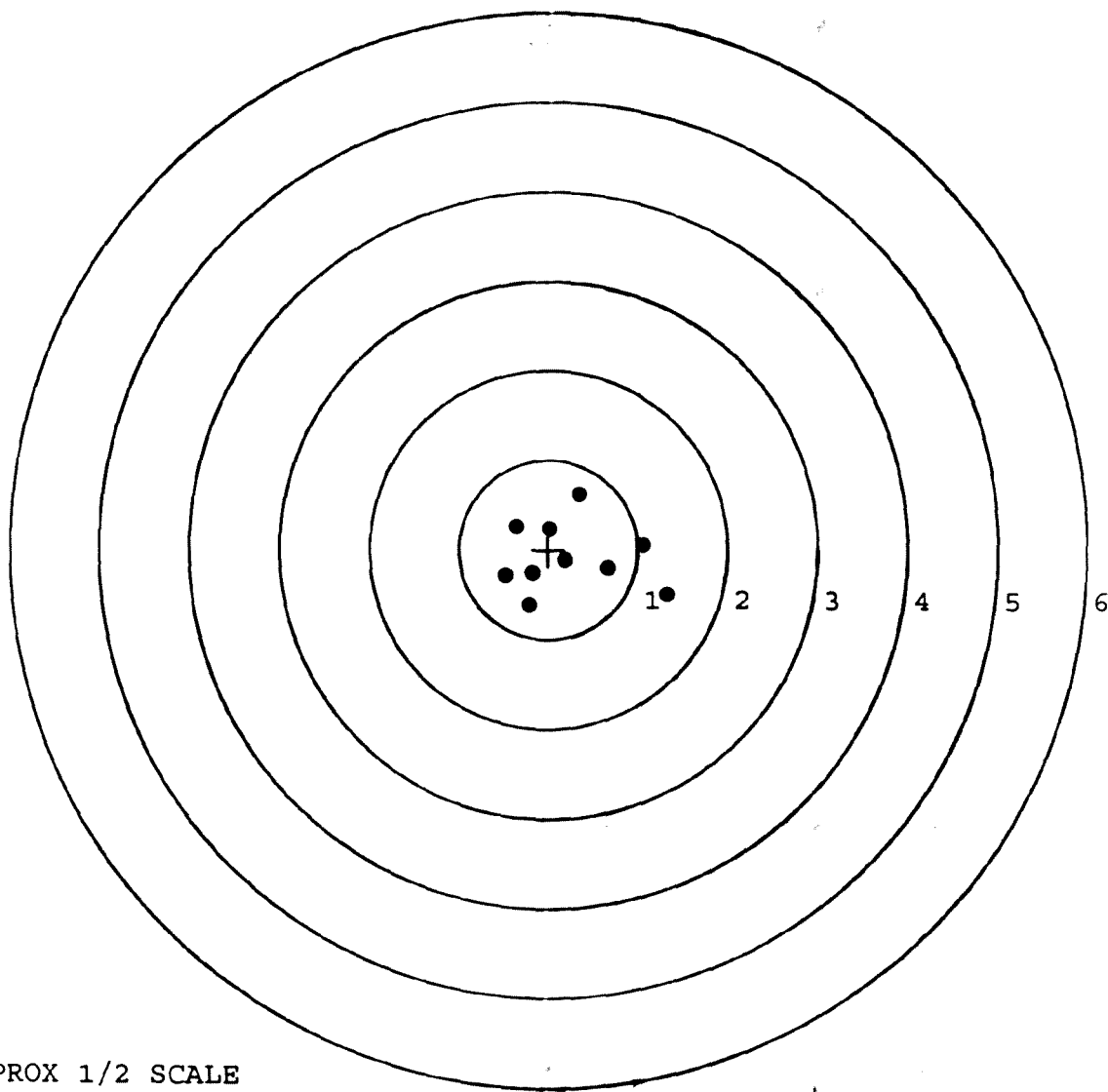
MEAN RADIUS: 0.621

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

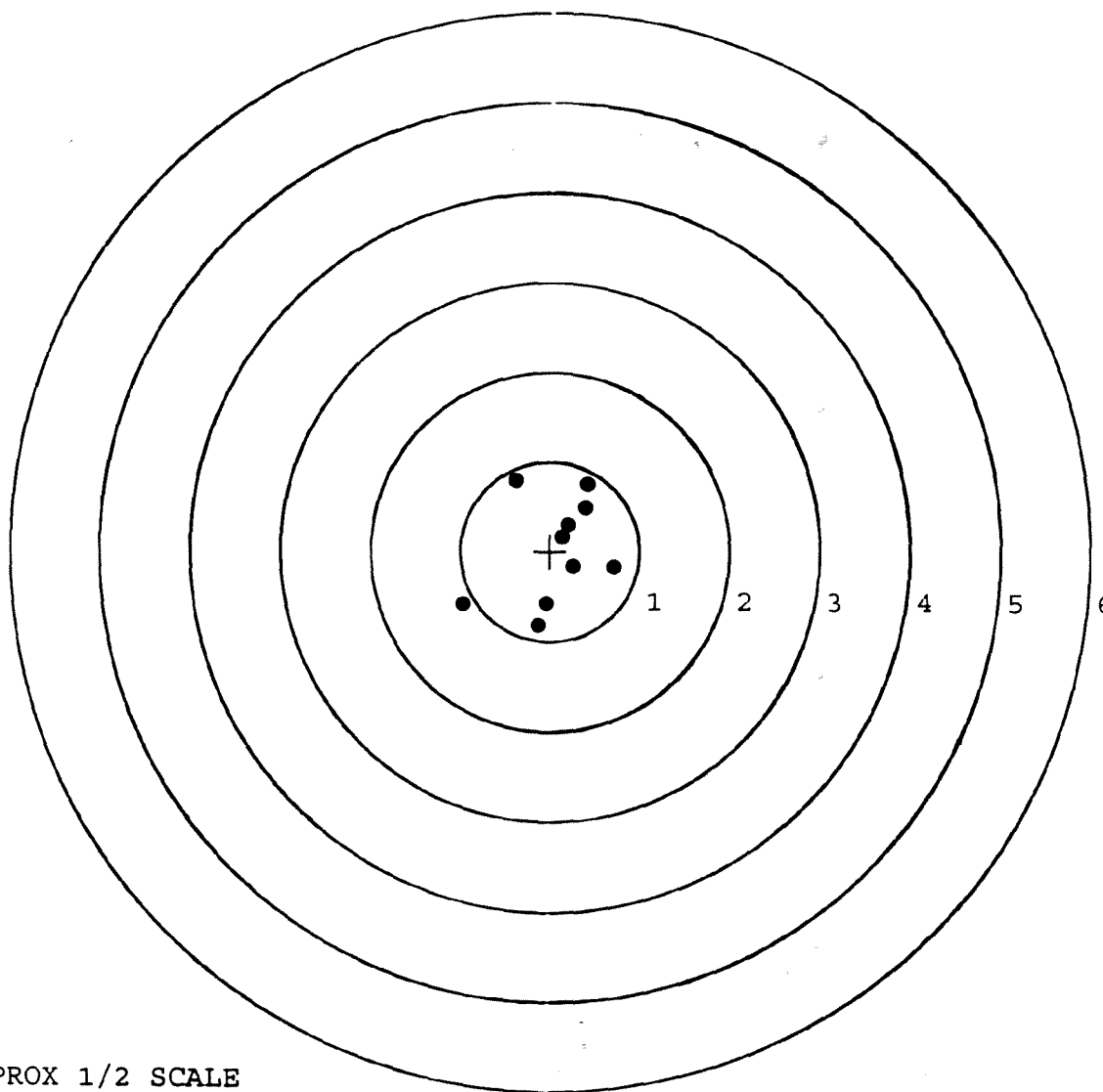
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.333  | -0.497 |
| 2:     | 1.061  | 0.062  |
| 3:     | 0.671  | -0.202 |
| 4:     | 0.346  | 0.624  |
| 5:     | 0.012  | 0.239  |
| 6:     | -0.364 | 0.255  |
| 7:     | -0.478 | -0.288 |
| 8:     | -0.216 | -0.621 |
| 9:     | -0.175 | -0.265 |
| 10:    | 0.193  | -0.114 |



TARGET APPROX 1/2 SCALE

|                             |        |        |        |
|-----------------------------|--------|--------|--------|
| SERIAL NUMBER: C6587721. _0 | POINT# | X      | Y      |
| TARGET NUMBER: 4            | 1:     | -0.381 | 0.793  |
| FILE DATE: 12/30/2008       | 2:     | -0.971 | -0.596 |
| FILE TIME: 05:40            | 3:     | -0.133 | -0.824 |
|                             | 4:     | -0.044 | -0.584 |
| X CENTROID: 0.062           | 5:     | 0.714  | -0.178 |
| Y CENTROID: 0.013           | 6:     | 0.265  | -0.169 |
| POA TO CENTROID: 0.063      | 7:     | 0.136  | 0.159  |
| HORZ SPREAD: 1.685          | 8:     | 0.203  | 0.287  |
| VERT SPREAD: 1.617          | 9:     | 0.405  | 0.489  |
| GROUP SPREAD: 1.939         | 10:    | 0.423  | 0.752  |
| MIN RADIUS: 0.164           |        |        |        |
| MAX RADIUS: 1.199           |        |        |        |
| MEAN RADIUS: 0.640          |        |        |        |
| # IN 1 IN DIAMETER: 3       |        |        |        |
| # IN 2 IN DIAMETER: 9       |        |        |        |
| # in 3 IN DIAMETER: 10      |        |        |        |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587721. \_\_0

TARGET NUMBER: 5

FILE DATE: 12/30/2008

FILE TIME: 05:40

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.937  | -0.452 |
| 2:     | 0.526  | 0.329  |
| 3:     | 0.593  | 0.110  |
| 4:     | 0.419  | 0.061  |
| 5:     | 0.180  | 0.135  |
| 6:     | 0.087  | -0.140 |
| 7:     | -0.111 | 0.280  |
| 8:     | -0.143 | -0.027 |
| 9:     | -0.313 | 0.169  |
| 10:    | -0.491 | -0.159 |

X CENTROID: 0.168

Y CENTROID: 0.031

POA TO CENTROID: 0.171

HORZ SPREAD: 1.428

VERT SPREAD: 0.781

GROUP SPREAD: 1.458

MIN RADIUS: 0.105

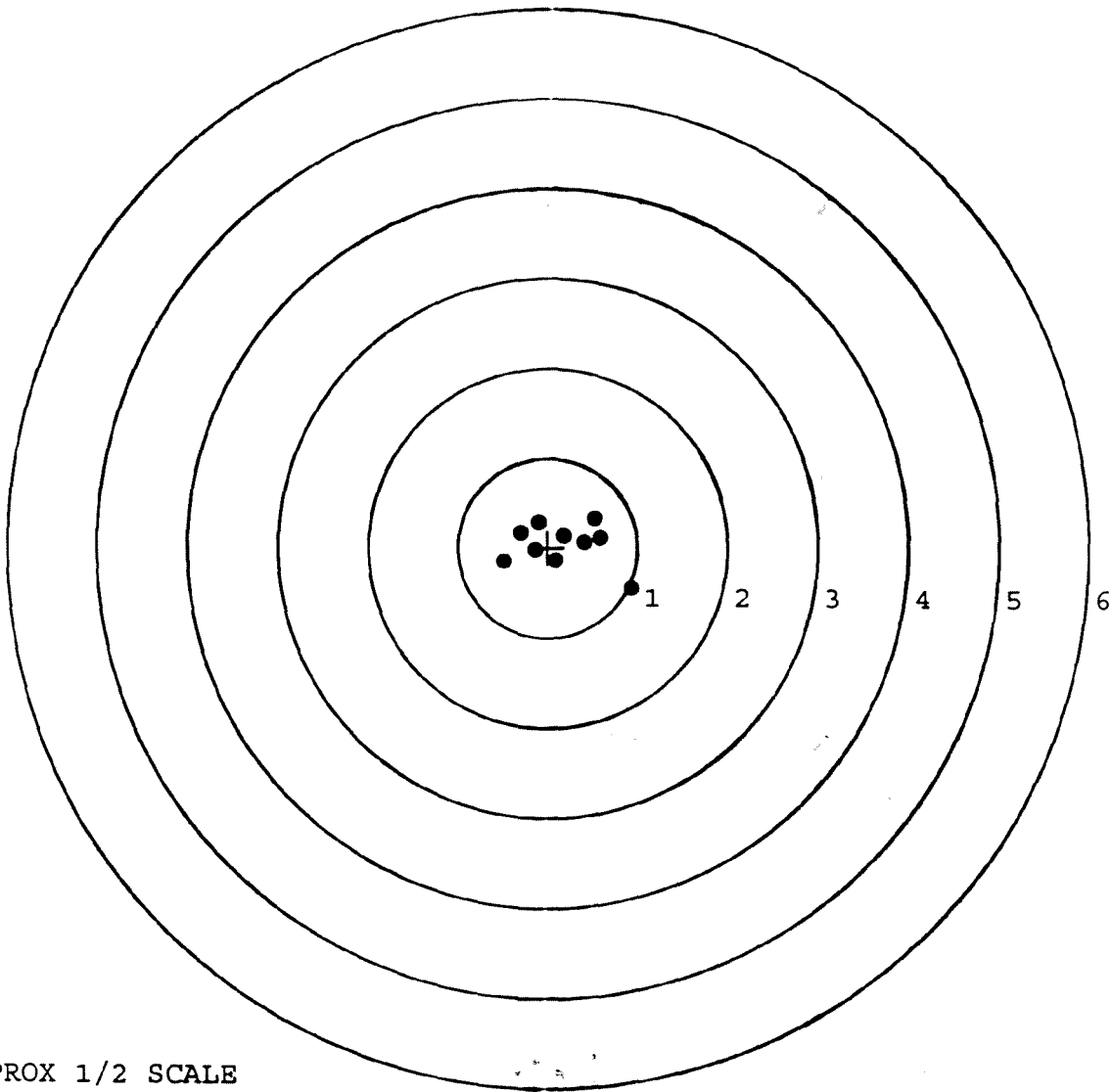
MAX RADIUS: 0.908

MEAN RADIUS: 0.423

# IN 1 IN DIAMETER: 7

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**Remington**<sup>®</sup>

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

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

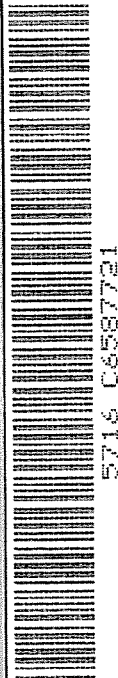
VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

**SERIAL NO.**  
C6587721

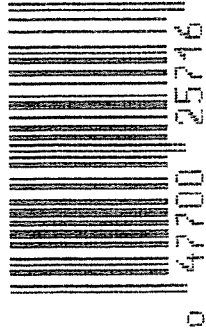
**ORDER NO.**  
**5716**

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

20



UPC



# BARBER - M24 0625840 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER  
R 94-18213

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT  
ATTN: FRED MARTIN

SCOPE 90-0810

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE

SERIAL NUMBER C6587721

NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

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 CJO.D

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

MAIN FAULT

PARTS

COMMENTS

Trigger Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/84

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0625840 0625840

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CL587721

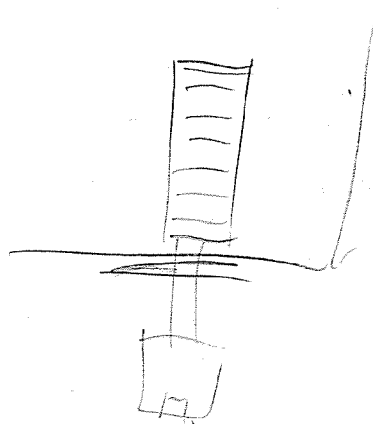
DATE \_\_\_\_\_

TESTER SW

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.70             | 2.80                     | 2.69                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.72             | 2.82                     | 2.70                           |                                                                        |
| PULL #3 | 2.75             | 2.69                     | 2.77                           |                                                                        |
| PULL #4 | 2.83             | 2.78                     | 2.72                           |                                                                        |
| PULL #5 | 2.85             | 2.73                     | 2.77                           |                                                                        |
| TOTAL   | 13.85            | 13.82                    | 13.65                          |                                                                        |
| AVG.    | 2.77             | 2.76                     | 2.73                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.05             | 3.03                     |          |
| PULL #2 | 3.05             | 3.00                     |          |
| PULL #3 | 3.23             | 3.03                     |          |
| PULL #4 | 3.04             | 3.05                     |          |
| PULL #5 | 3.11             | 3.05                     |          |
| TOTAL   | 15.48            | 15.16                    |          |
| AVG.    | 3.09             | 3.03                     |          |

|                       | 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               | 4.25             | 4.24                            | 4.16                            |                                      |
| PULL #2               | 4.29             | 4.25                            | 4.07                            |                                      |
| PULL #3               | 4.27             | 4.31                            | 4.05                            |                                      |
| PULL #4               | 4.28             | 4.31                            | 4.04                            |                                      |
| PULL #5               | 4.32             | 4.31                            | 4.00                            |                                      |
| TOTAL <sup>2141</sup> | <del>4.28</del>  | <del>4.28</del> <sup>2142</sup> | <del>4.06</del> <sup>2032</sup> |                                      |
| AVG.                  | 4.28             | 4.28                            | 4.06                            |                                      |



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587721

| 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             |          |      |         |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE  | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|-------|------|
| 625<br>cont. | F) Safety On Force                                          | 5 1/2    | 5 1/2 | 5 1/2 |      |      | 11/30 | WB   |
|              | G) Safety Off Force                                         | 3 3/4    | 3 3/4 | 3 3/4 |      |      | 11/30 | WB   |
|              | 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                                             | 2.56     | 2.58  | 2.74  | 2.65 | 2.64 | 11/30 | WB   |
|              | C) Function                                                 |          |       |       |      |      |       |      |
| 660          | Pack                                                        |          |       |       |      |      |       |      |

TIP

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587721

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 1024     | 90       | RW   |
| 600          | Proof                                                          | 1024     | 90       | RW   |
| 607          | Check Headspace                                                | 1024     | 90       | RW   |
| 610          | Dis-assemble Gun                                               | 1024     | 90       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/30/90 | KR   |
|              | Magnaflux Bolt                                                 |          | "        | KR   |
| 615          | Rollmark Caliber                                               |          | "        | GB   |
| 617          | Drill and Tap Sight Holes                                      |          | 11/4/90  | LB   |
| 618          | Polish Barrel <i>LB</i>                                        |          | 11/6/90  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-26-90 | TH   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 12/12/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 12/12/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 12/12/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 12/12/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 1-3-91   | DH   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 |      |      | 1/3/91  | WB   |
|              | G) Safety Off Force                                         | 3        | 3     | 3     |      |      | 1/3/91  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 1-3-91  | DH   |
|              | I) Firing Pin Indent                                        | .021     | .0205 | .0205 |      |      | 1/3/91  | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 1/4/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 1-14/91 | JH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 1/4/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 1/4/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 1/4/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 1/4/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 1/4/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 1-11-91 | AF   |
|              | A) Time                                                     |          |       |       |      |      | "       | AF   |
|              | B) Malfunctions                                             |          |       |       |      |      | "       | AF   |
|              | C) Pierced Primers                                          |          |       |       |      |      | "       | AF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | "       | AF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 1-11-91 | AF   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 1-14-91 | JH   |
|              | B) Trigger Pull                                             | 2.33     | 2.48  | 2.20  | 2.23 | 2.21 | 1-14-91 | JH   |
|              | C) Function                                                 |          |       |       |      |      | 1-14-91 | JH   |
| 660          | Pack                                                        |          |       |       |      |      | 3-19-91 | AF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587721

DATE 1-3-91

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.46             | 2.36                     | 2.38                           | 2.33 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.46             | 2.37                     | 2.42                           | 2.48 |                                                                        |
| PULL #3 | 2.34             | 2.45                     | 2.64                           | 2.20 |                                                                        |
| PULL #4 | 2.40             | 2.26                     | 2.62                           | 2.23 |                                                                        |
| PULL #5 | 2.41             | 2.33                     | 2.60                           | 2.21 |                                                                        |
| TOTAL   | 12.07            | 11.77                    | 12.66                          |      |                                                                        |
| AVG.    | 2.41             | 2.35                     | 2.53                           |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.23             | 3.21                     |  |          |
| PULL #2 | 3.22             | 3.20                     |  |          |
| PULL #3 | 3.24             | 3.14                     |  |          |
| PULL #4 | 3.15             | 3.12                     |  |          |
| PULL #5 | 3.18             | 3.20                     |  |          |
| TOTAL   | 16.02            | 15.87                    |  |          |
| AVG.    | 3.20             | 3.17                     |  |          |

|         | 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 | 4.27             | 4.35                     |                                | 4.15                                 |
| PULL #2 | 4.36             | 4.33                     |                                | 4.08                                 |
| PULL #3 | 4.33             | 4.27                     |                                | 4.12                                 |
| PULL #4 | 4.39             | 4.33                     |                                | 4.03                                 |
| PULL #5 | 4.24             | 4.34                     |                                | 4.04                                 |
| TOTAL   | 21.59            | 21.62                    |                                | 20.42                                |
| AVG.    | 4.31             | 4.32                     |                                | 4.08                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587721  
11 Jan 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .087046 |
| 1 TO | 2 | .210373 |
| 1 TO | 3 | .219009 |
| 1 TO | 4 | .298117 |
| 1 TO | 5 | .205232 |

30 <----POA

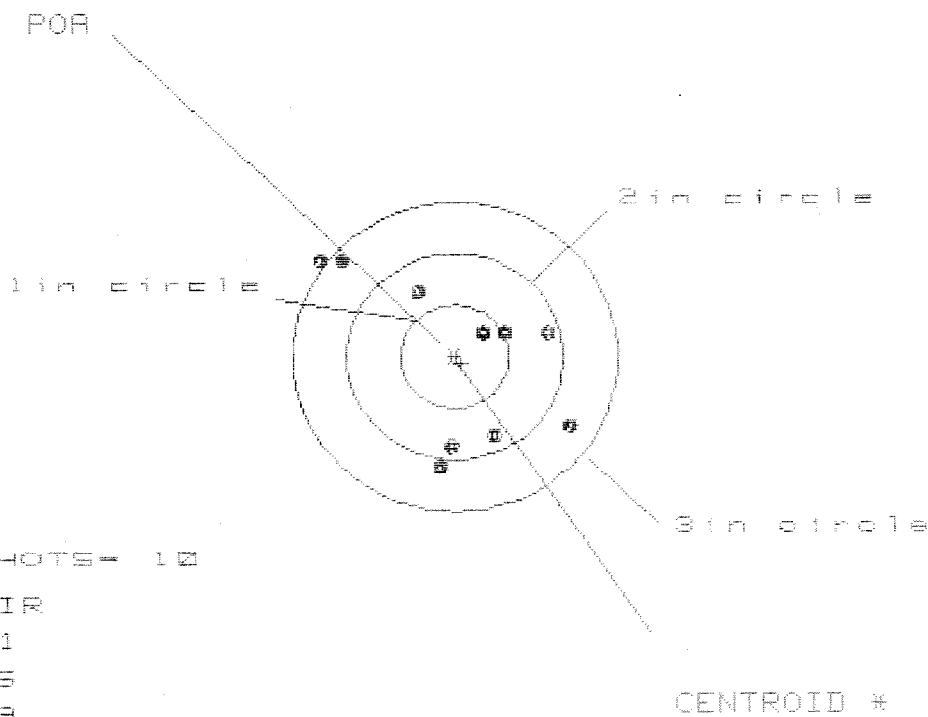
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0506  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0848  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0987492  
THE AMP FOR THIS RIFLE IS: .9382

11 Jan 1991

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## CENTERFIRE PATTERNS

# 1



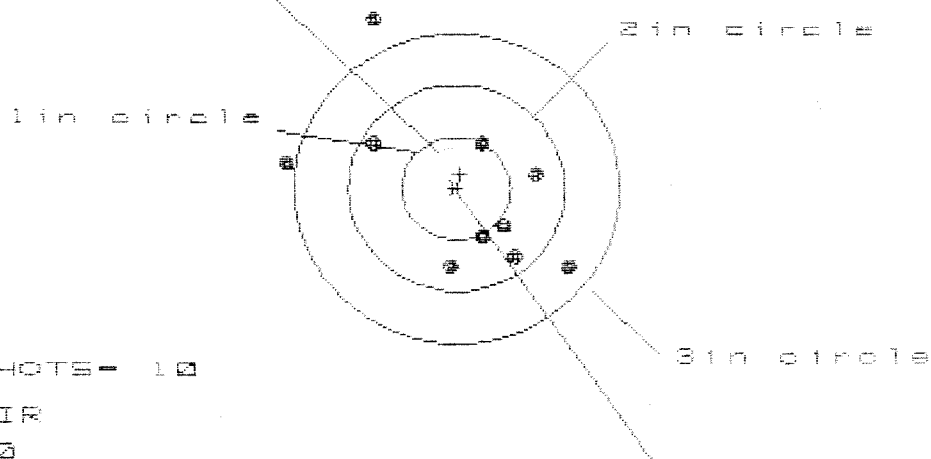
| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.056  | .918   | .776  |
| MINIMUM X                     | -1.245 | -1.135 | -.657 |
| MAXIMUM Y                     | .951   | 1.028  | .883  |
| MINIMUM Y                     | -1.062 | -.957  | -.828 |
| CENTROID X                    | -.059  | .079   | .221  |
| CENTROID Y                    | .064   | -.041  | -.170 |
| POA TO CENTROID in.           | .087   | .090   | .279  |
| MIN RADIUS                    | .355   | .391   | .514  |
| MEAN RADIUS                   | .942   | .849   | .745  |
| MAX RADIUS                    | 1.567  | 1.532  | 1.101 |
| HORIZONTAL SPREAD             | 2.301  | 2.053  | 1.433 |
| VERTICAL SPREAD               | 2.013  | 1.985  | 1.711 |
| EXTREME SPREAD                | 2.800  | 2.583  | 1.930 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

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## CENTERFIRE PATTERNS # 2

POR



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 7

3 in = 8

HS = 2.591

VS = 2.398

GS = 3.003

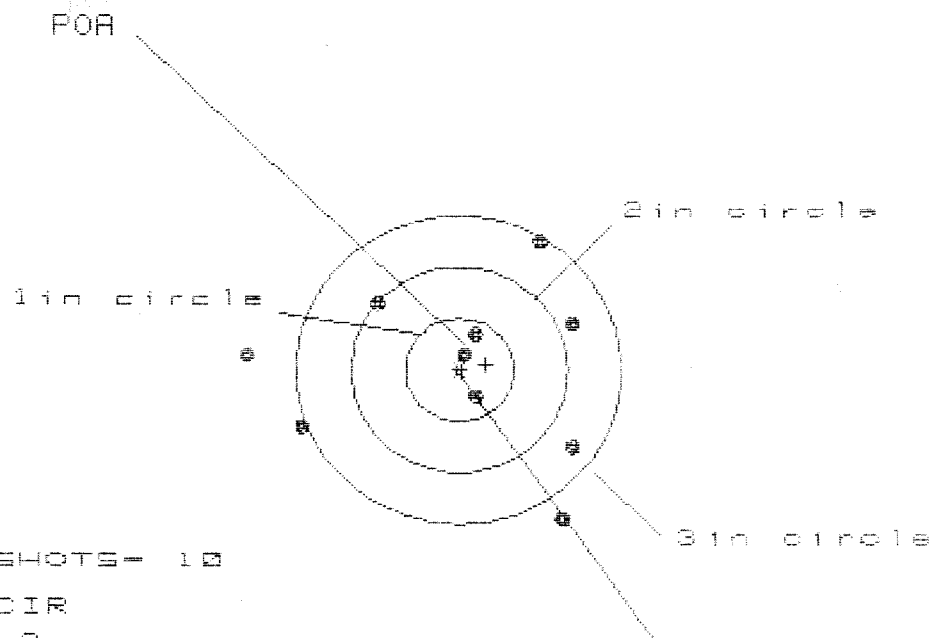
CENTROID #

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.015  | .927   | .719   |
| MINIMUM X                   | : | -1.576 | -1.664 | -1.031 |
| MAXIMUM Y                   | : | 1.654  | .652   | .710   |
| MINIMUM Y                   | : | -.744  | -.560  | -.502  |
| CENTROID X                  | : | -.035  | .053   | .261   |
| CENTROID Y                  | : | -.145  | -.329  | -.387  |
| POR TO CENTROID in.         | : | .149   | .333   | .467   |
| MIN RADIUS                  | : | .511   | .337   | .197   |
| MEAN RADIUS                 | : | .956   | .805   | .628   |
| MAX RADIUS                  | : | 1.834  | 1.728  | 1.252  |
| HORIZONTAL SPREAD           | : | 2.591  | 2.591  | 1.750  |
| VERTICAL SPREAD             | : | 2.398  | 1.212  | 1.212  |
| EXTREME SPREAD              | : | 3.003  | 2.787  | 2.129  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 4

3 in = 7

HS= 2.983

VS= 2.665

GS= 3.354

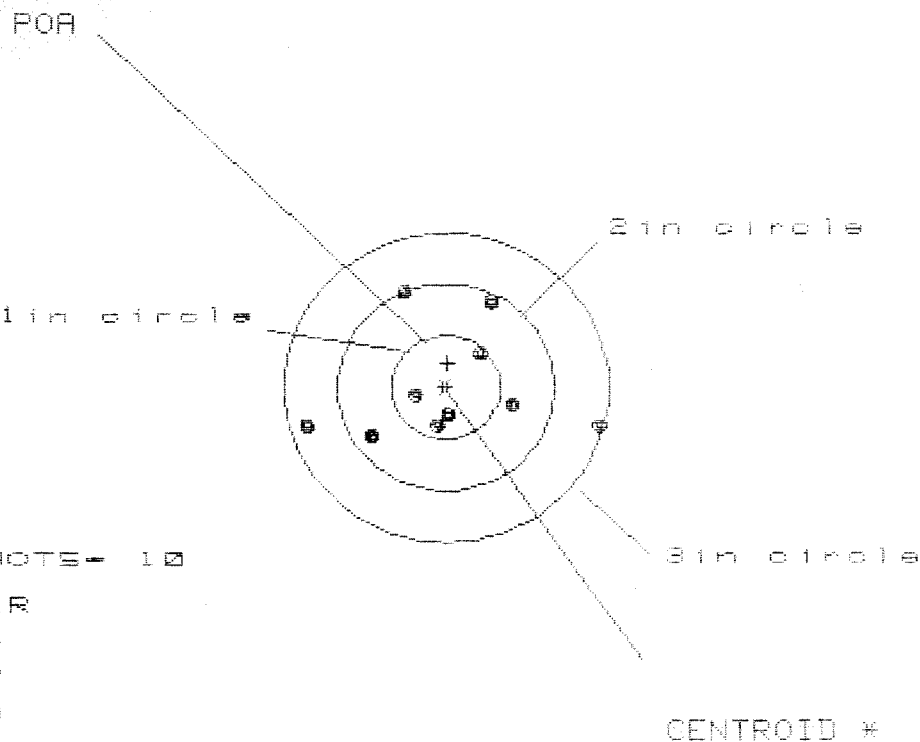
CENTROID \*

| PATTERN #                     | 3      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.028  | .810   | .987   |
| MINIMUM X                     | -1.956 | -1.643 | -1.545 |
| MAXIMUM Y                     | 1.230  | 1.247  | 1.070  |
| MINIMUM Y                     | -1.435 | -1.418 | -.889  |
| CENTROID X                    | -.246  | -.029  | -.126  |
| CENTROID Y                    | -.050  | -.067  | .110   |
| POA TO CENTROID in.           | .251   | .073   | .168   |
| MIN RADIUS                    | .118   | .200   | .096   |
| MEAN RADIUS                   | 1.079  | .968   | .854   |
| MAX RADIUS                    | 1.962  | 1.741  | 1.720  |
| HORIZONTAL SPREAD             | 2.983  | 2.453  | 2.453  |
| VERTICAL SPREAD               | 2.665  | 2.665  | 1.959  |
| EXTREME SPREAD                | 3.354  | 2.871  | 2.871  |
| NUMBER IN ONE INCH CIRCLE =   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1 in = 4

2 in = 7

3 in = 9

H0 = 2.746

V0 = 1.444

G0 = 2.746

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.465  | .742   | .602  |
| MINIMUM X                   | : | -1.281 | -1.118 | -.699 |
| MAXIMUM Y                   | : | .960   | .916   | .863  |
| MINIMUM Y                   | : | -.484  | -.528  | -.581 |
| CENTROID X                  | : | -.016  | -.179  | -.039 |
| CENTROID Y                  | : | -.231  | -.187  | -.135 |
| POA TO CENTROID in.         | : | .231   | .258   | .140  |
| MIN RADIUS                  | : | .265   | .206   | .350  |
| MEAN RADIUS                 | : | .781   | .697   | .629  |
| MAX RADIUS                  | : | 1.517  | 1.194  | .940  |
| HORIZONTAL SPREAD           | : | 2.746  | 1.860  | 1.301 |
| VERTICAL SPREAD             | : | 1.444  | 1.444  | 1.444 |
| EXTREME SPREAD              | : | 2.746  | 2.122  | 1.775 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

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## CENTERFIRE PATTERNS # 5

FOR

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 1.812

VS= 2.047

GS= 2.488

CENTROID #

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .654   | .561   | .615   |
| MINIMUM X                     | -1.158 | -1.251 | -1.181 |
| MAXIMUM Y                     | 1.039  | .934   | 1.028  |
| MINIMUM Y                     | -1.008 | -1.113 | -1.097 |
| CENTROID X                    | .103   | .196   | .126   |
| CENTROID Y                    | -.062  | .043   | -.074  |
| FOR TO CENTROID in.           | .120   | .201   | .146   |
| MIN RADIUS                    | .135   | .072   | .144   |
| MEAN RADIUS                   | .933   | .870   | .852   |
| MAX RADIUS                    | 1.268  | 1.251  | 1.187  |
| HORIZONTAL SPREAD             | 1.812  | 1.812  | 1.796  |
| VERTICAL SPREAD               | 2.047  | 2.047  | 2.025  |
| EXTREME SPREAD                | 2.488  | 2.273  | 2.273  |
| NUMBER IN ONE INCH CIRCLE =   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |        |