

C6587644

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

\*Includes 1 in chamber.

*Remington*

Scope Case  
Deploy Kit  
Soft Case  
SLING

## 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: RE00134715

Serial: C6587644 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair

High Priority

Status:

Closed 10/1/2007 8:28:10 AM

## Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK PO Box:

BLDG 299 GILLESPIE AVE BECK PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

Country: US

FFL:

## Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

## Contact Information

Phone: NN

Fax:

Email:

Comments:

## Received Condition

Fair

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

## Repair Search

Refresh

Close

naglej

10/1/2007

8:34 AM

CAPS

NUM

INS

SCRL

start

5 Micros...

6 Intern...

5 Micros...

Part Search...

Arms Servi...

8:34 AM

Serial  
Number:

C6587644

Model: M24 SWS

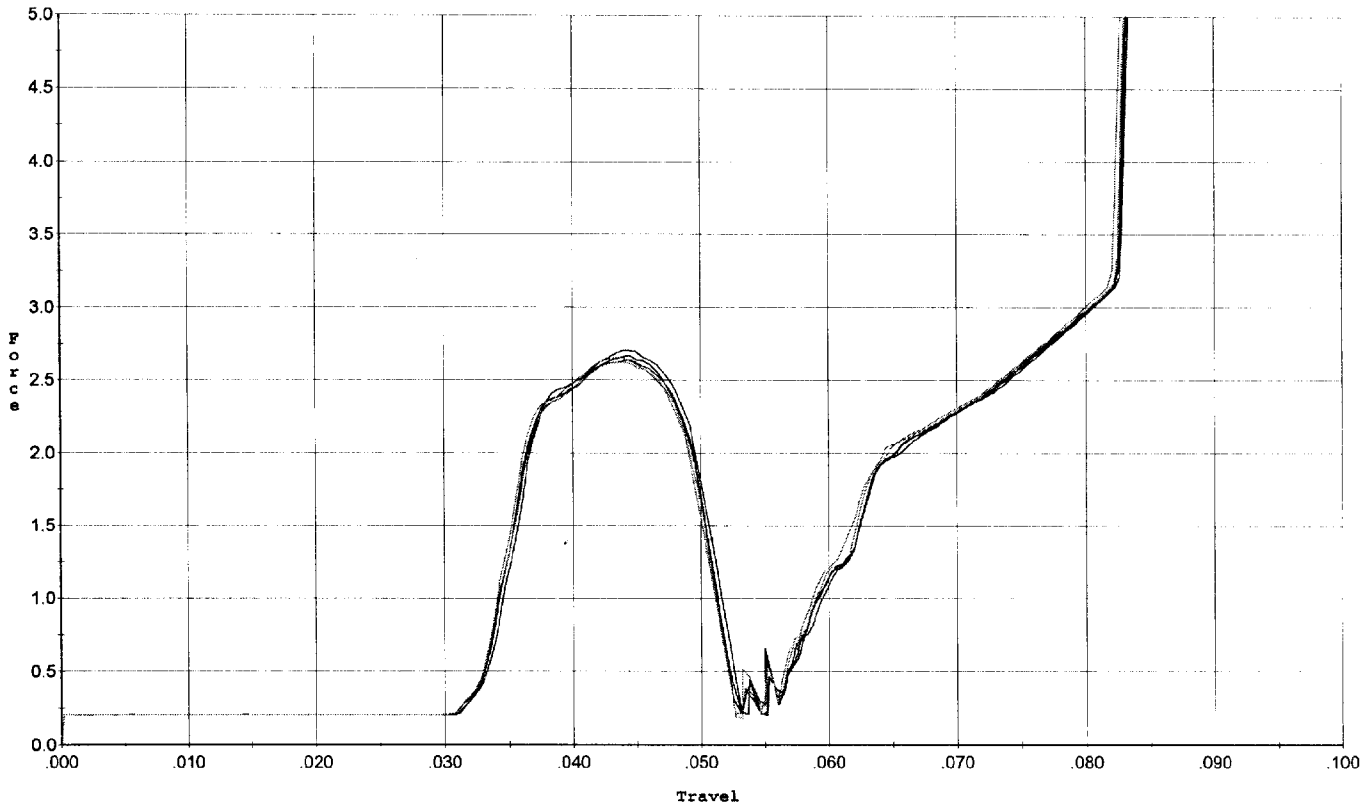


RE00134715

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 2.5 lbs. ini. +/- .50 lbs.



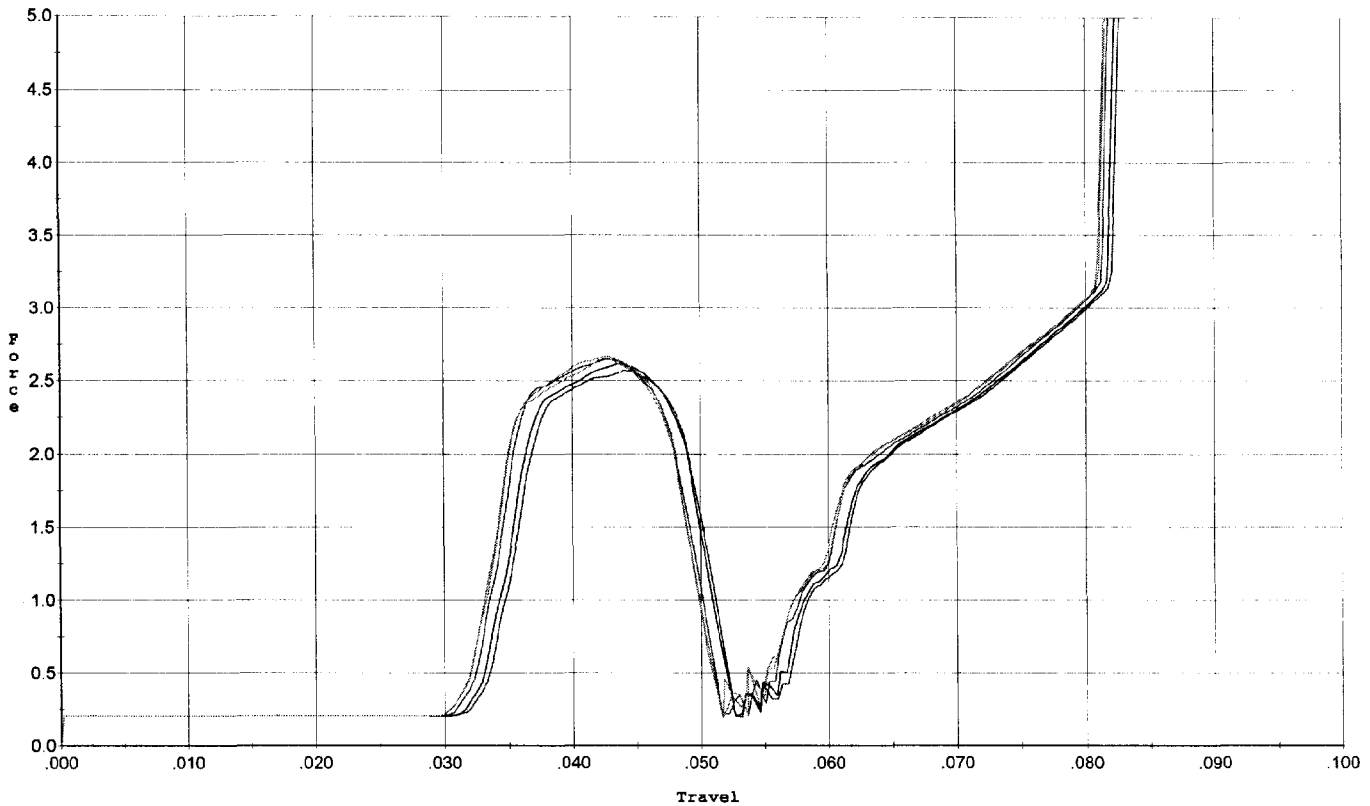
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.702      | 0.051             | 0.033           | 0.037      | 0.045             |           | Set Trigger |
| 2 | 2.669      | 0.050             | 0.033           | 0.037      | 0.044             |           | Set Trigger |
| 3 | 2.639      | 0.049             | 0.033           | 0.037      | 0.044             |           | Set Trigger |
| 4 | 2.621      | 0.050             | 0.033           | 0.037      | 0.044             |           | Set Trigger |
| 5 | 2.656      | 0.050             | 0.032           | 0.037      | 0.045             |           | Set Trigger |

AVG 2.65

## Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 2.5 lbs. after 50 cycles +/- .50 lbs.



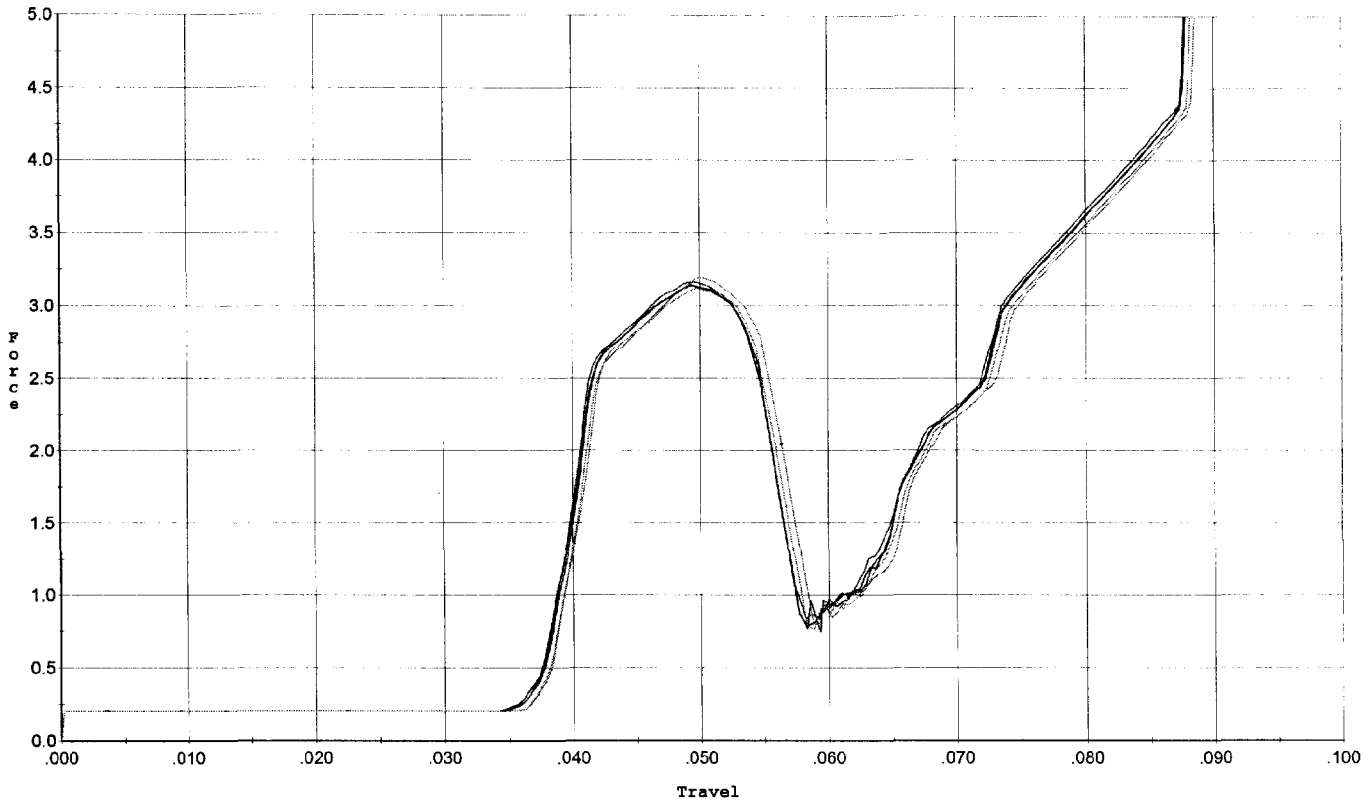
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.569      | 0.050             | 0.033           | 0.037      | 0.043             |           | Set Trigger |
| 2 | 2.616      | 0.049             | 0.032           | 0.037      | 0.043             |           | Set Trigger |
| 3 | 2.647      | 0.049             | 0.031           | 0.036      | 0.044             |           | Set Trigger |
| 4 | 2.664      | 0.048             | 0.031           | 0.037      | 0.043             |           | Set Trigger |
| 5 | 2.652      | 0.048             | 0.031           | 0.037      | 0.043             |           | Set Trigger |

Avg 2.63

## Trigger Profile [ lbs,inch ]

**Profile** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 3.0 lbs. ini. +/- .75 lbs.



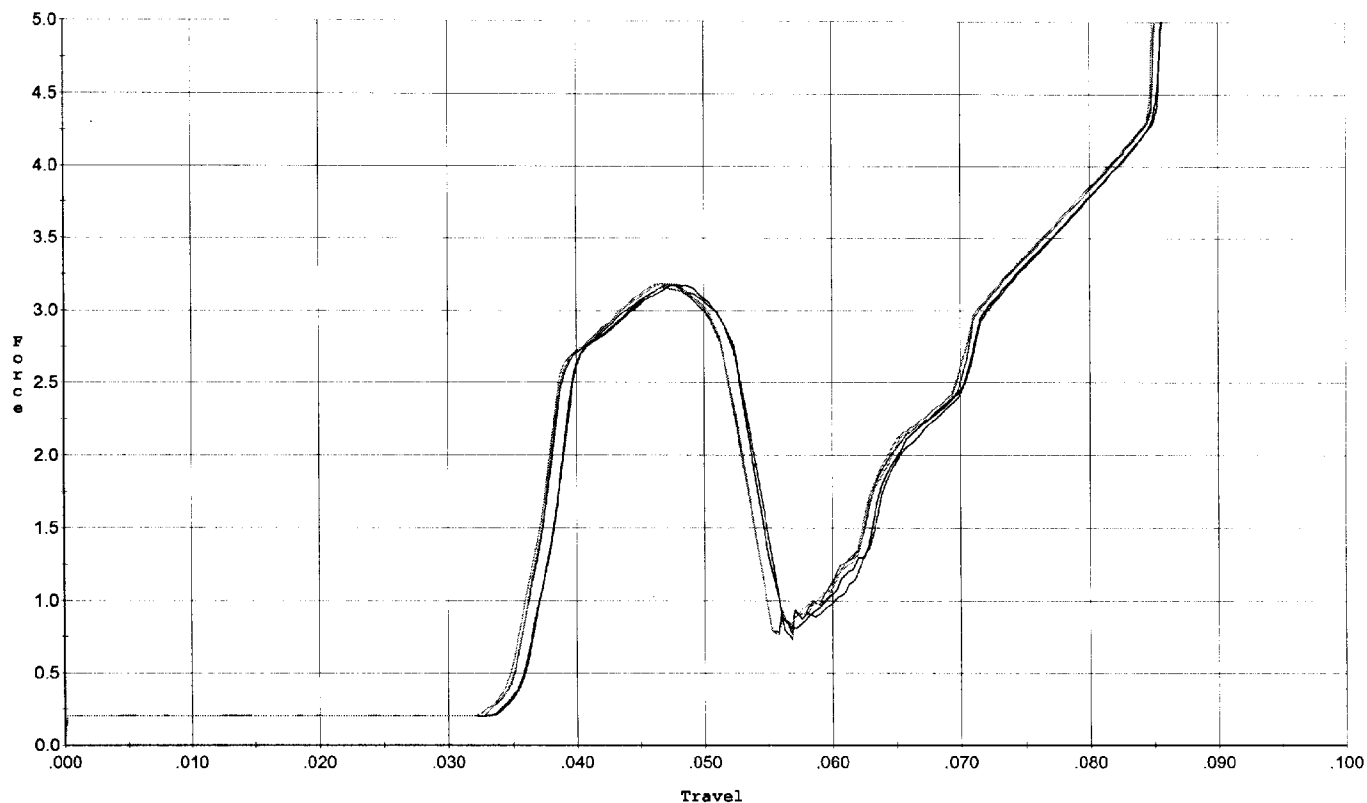
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.135      | 0.055             | 0.038           | 0.038      | 0.053             |           | Set Trigger |
| 2 | 3.143      | 0.055             | 0.036           | 0.038      | 0.054             |           | Set Trigger |
| 3 | 3.162      | 0.055             | 0.037           | 0.038      | 0.054             |           | Set Trigger |
| 4 | 3.121      | 0.056             | 0.037           | 0.038      | 0.054             |           | Set Trigger |
| 5 | 3.192      | 0.056             | 0.037           | 0.038      | 0.056             |           | Set Trigger |

Avg 3.15

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 3.0 lbs. after 20 cycles +/- .75 lbs.



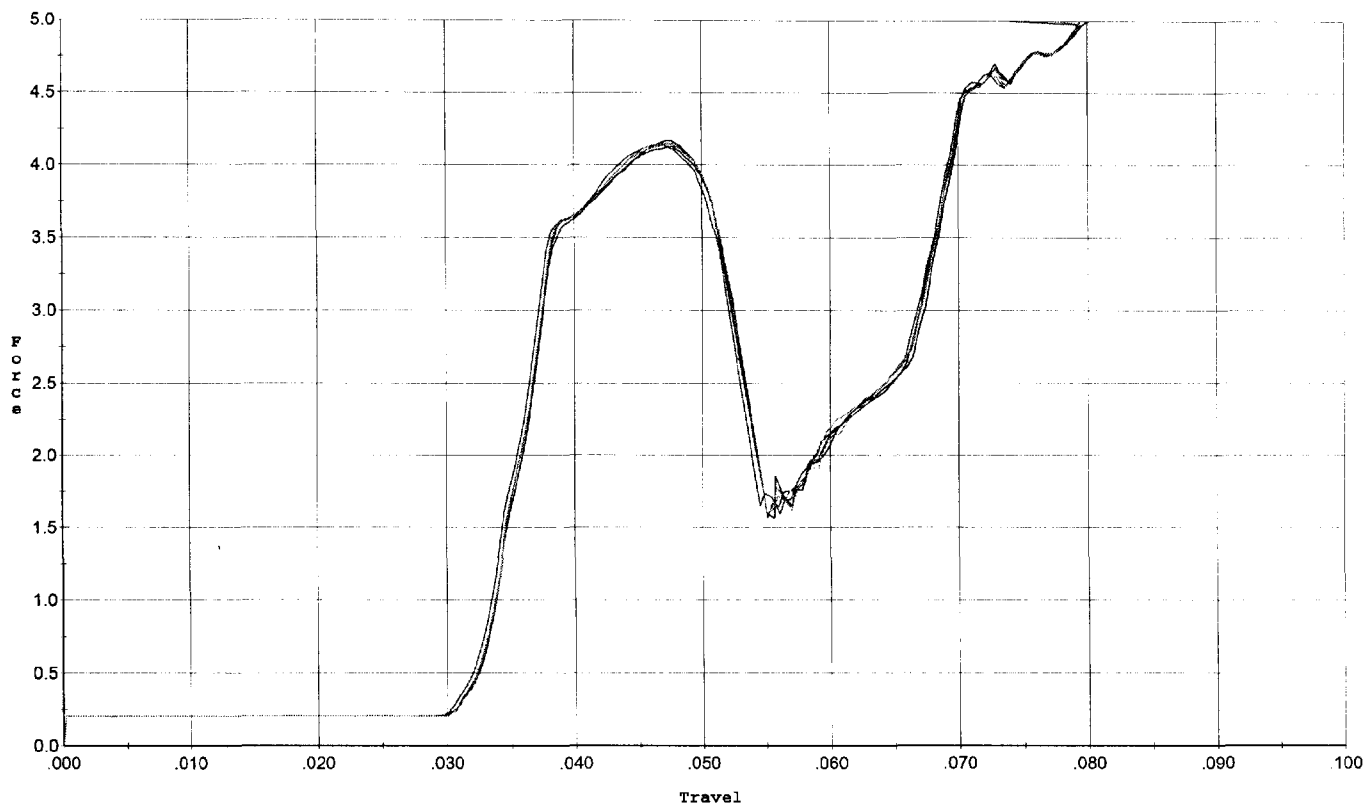
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 3.172      | 0.054             | 0.036           | 0.037      | 0.055             |           | Set Trigger |
| 2 | 3.180      | 0.052             | 0.036           | 0.037      | 0.053             |           | Set Trigger |
| 3 | 3.158      | 0.053             | 0.035           | 0.037      | 0.054             |           | Set Trigger |
| 4 | 3.182      | 0.053             | 0.035           | 0.037      | 0.054             |           | Set Trigger |
| 5 | 3.187      | 0.053             | 0.034           | 0.037      | 0.055             |           | Set Trigger |

Avg 3.17

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putsch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 4.0 lbs. ini. +/- 1.0 lbs.



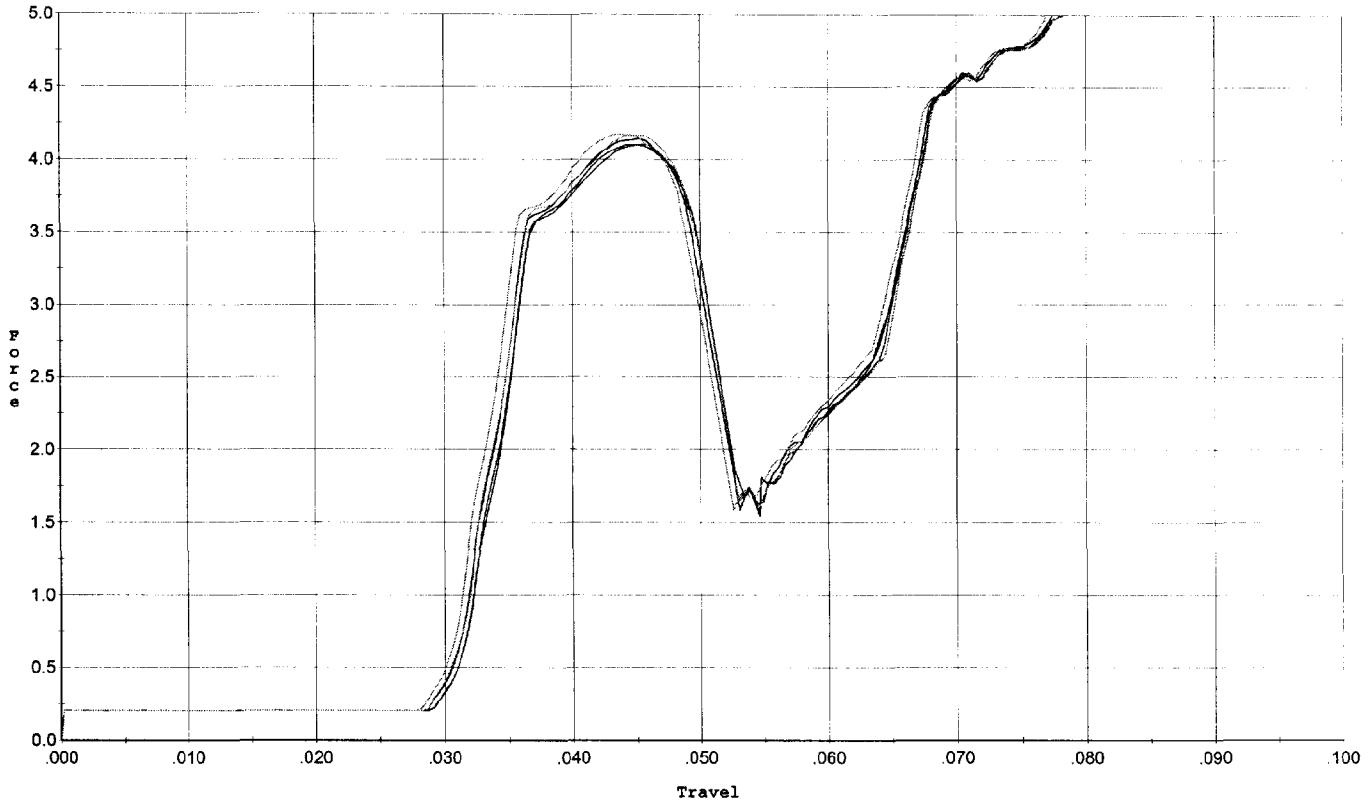
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.126      | 0.053             | 0.031           | 0.034      | 0.074             |           | Set Trigger |
| 2 | 4.166      | 0.052             | 0.031           | 0.034      | 0.073             |           | Set Trigger |
| 3 | 4.139      | 0.051             | 0.031           | 0.035      | 0.072             |           | Set Trigger |
| 4 | 4.153      | 0.053             | 0.032           | 0.034      | 0.074             |           | Set Trigger |
| 5 | 4.143      | 0.052             | 0.032           | 0.034      | 0.074             |           | Set Trigger |

AVG 4.14

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** 4.0 lbs. after 20 cycles +/- 1.0 lbs.



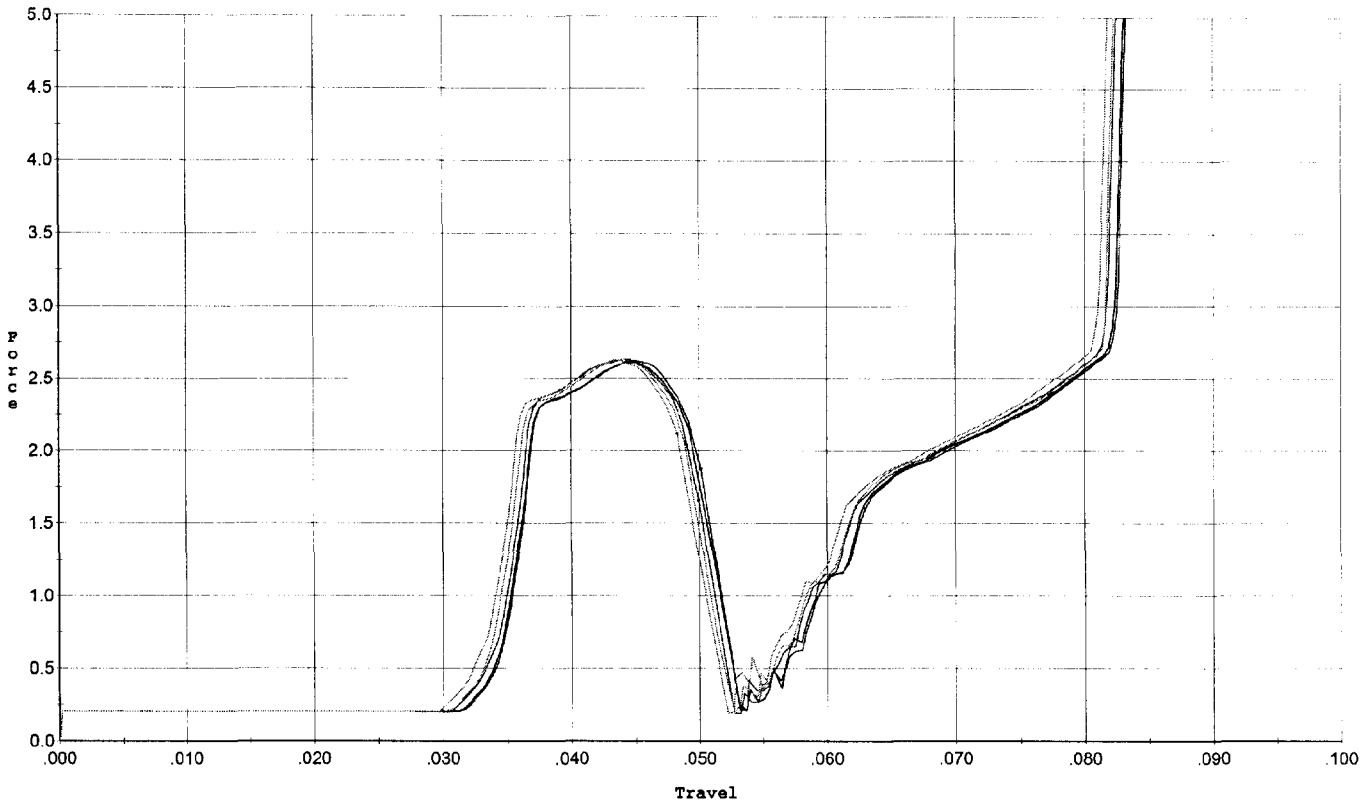
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.100      | 0.050             | 0.030           | 0.034      | 0.070             |           | Set Trigger |
| 2 | 4.144      | 0.049             | 0.029           | 0.034      | 0.070             |           | Set Trigger |
| 3 | 4.105      | 0.050             | 0.030           | 0.034      | 0.070             |           | Set Trigger |
| 4 | 4.168      | 0.050             | 0.029           | 0.034      | 0.072             |           | Set Trigger |
| 5 | 4.173      | 0.050             | 0.029           | 0.033      | 0.073             |           | Set Trigger |

Avg 4.13

# Trigger Profile [ lbs,inch ]

**Profile:** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putsch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** reset to 2.5 lbs. +/- .50 lbs. for final test



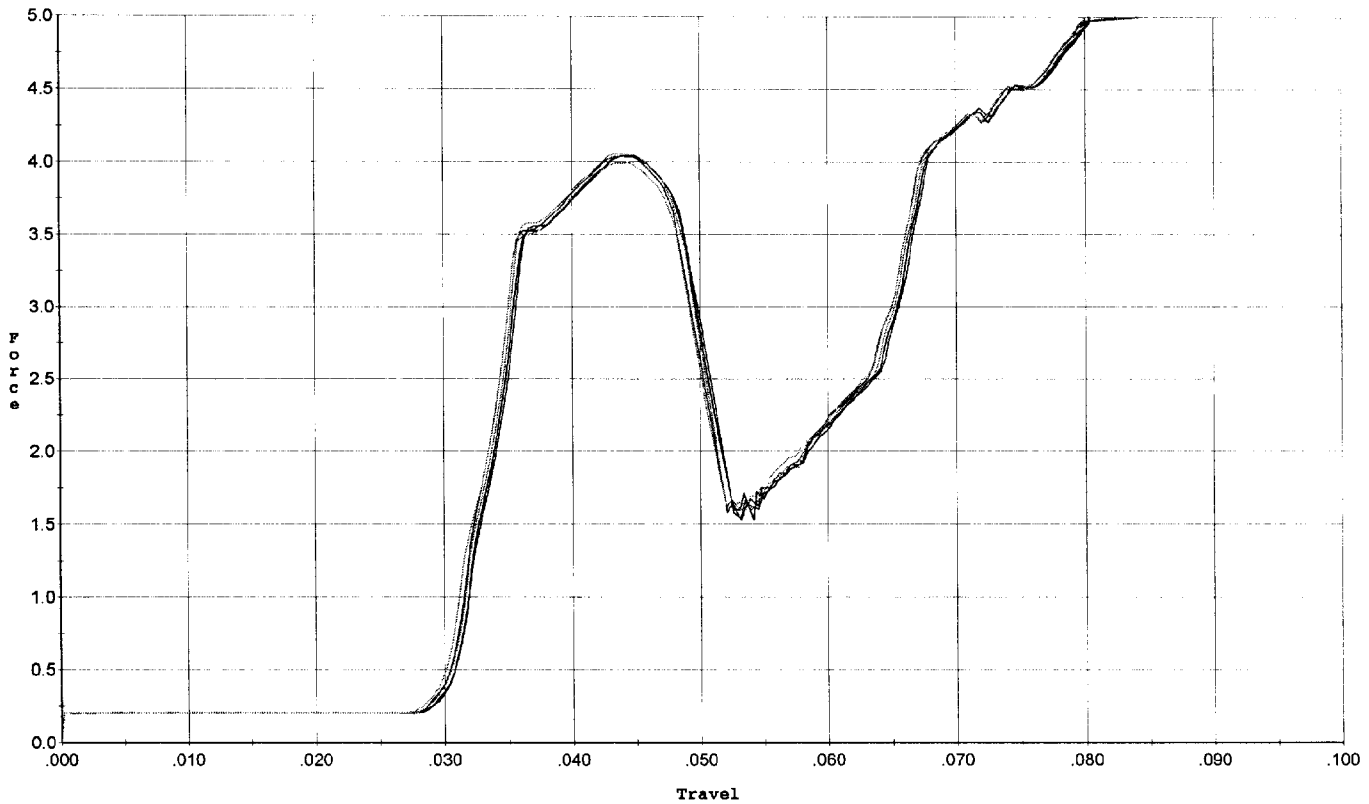
| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 2.628      | 0.050             | 0.034           | 0.037      | 0.043             |           | Set Trigger |
| 2 | 2.612      | 0.051             | 0.034           | 0.037      | 0.044             |           | Set Trigger |
| 3 | 2.636      | 0.050             | 0.033           | 0.036      | 0.044             |           | Set Trigger |
| 4 | 2.635      | 0.049             | 0.033           | 0.037      | 0.043             |           | Set Trigger |
| 5 | 2.631      | 0.048             | 0.032           | 0.036      | 0.043             |           | Set Trigger |

Avg 2.62

## Trigger Profile [ lbs,inch ]

**Profile** SWS  
**GunType:** Rifle  
**Make:** Remington  
**Note:** R. Putch 9/27/07

**Model:** M/24  
**Serial No:** Form #F005  
**Trigger:** set to 4.0 lbs. +/- 1.0 lbs. for target & accuracy



| # | Peak Force | Travel To Actuate | Initial Take-up | Overtravel | Energy To Actuate | Lock Time | Action Type |
|---|------------|-------------------|-----------------|------------|-------------------|-----------|-------------|
| 1 | 4.042      | 0.050             | 0.030           | 0.034      | 0.070             |           | Set Trigger |
| 2 | 4.040      | 0.049             | 0.030           | 0.034      | 0.067             |           | Set Trigger |
| 3 | 4.044      | 0.050             | 0.030           | 0.033      | 0.070             |           | Set Trigger |
| 4 | 3.997      | 0.048             | 0.030           | 0.034      | 0.067             |           | Set Trigger |
| 5 | 4.060      | 0.049             | 0.030           | 0.034      | 0.068             |           | Set Trigger |

Avg 4.03

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587644.\_\_\_0  
FILE DATE AND TIME: 10/15/2007 14:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.035 |
| The Average Y Centroid of the Five Target Set:              | -0.067 |
| The Average Point of Impact of the Five Target Set:         | 0.075  |
| The Average Mean Radius of the Five Target Set:             | 0.724  |
| The Distance from POA to Centroid Target #1:                | 0.052  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.192  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.136  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.034  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.198  |

SERIAL NUMBER: C6587644. \_\_ 0

TARGET NUMBER: 1

FILE DATE: 10/15/2007

FILE TIME: 14:47

X CENTROID: -0.052

Y CENTROID: 0.005

POA TO CENTROID: 0.052

HORZ SPREAD: 2.148

VERT SPREAD: 2.190

GROUP SPREAD: 2.642

MIN RADIUS: 0.290

MAX RADIUS: 1.617

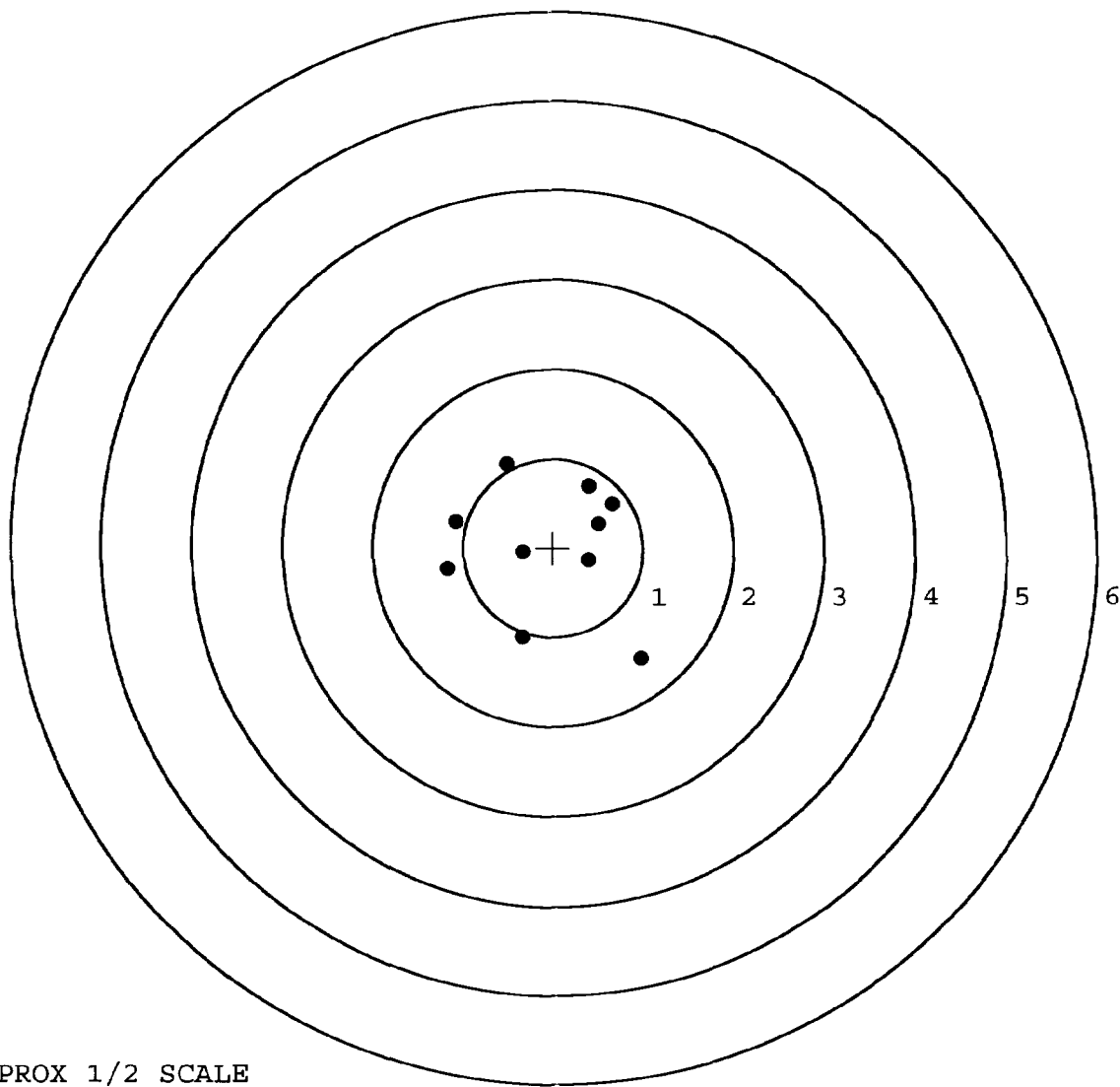
MEAN RADIUS: 0.900

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 5

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.969  | -1.249 |
| 2:     | -0.350 | -1.001 |
| 3:     | 0.387  | -0.140 |
| 4:     | -0.338 | -0.040 |
| 5:     | -0.509 | 0.941  |
| 6:     | -1.076 | 0.303  |
| 7:     | -1.179 | -0.236 |
| 8:     | 0.401  | 0.694  |
| 9:     | 0.664  | 0.499  |
| 10:    | 0.512  | 0.276  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587644.\_\_\_0

TARGET NUMBER: 2

FILE DATE: 10/15/2007

FILE TIME: 14:47

X CENTROID: -0.128

Y CENTROID: -0.172

POA TO CENTROID: 0.214

HORZ SPREAD: 1.878

VERT SPREAD: 2.062

GROUP SPREAD: 2.518

MIN RADIUS: 0.120

MAX RADIUS: 1.336

MEAN RADIUS: 0.768

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |        |        |
|----|--------|--------|
| 1: | -0.110 | -1.107 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 2: | -0.768 | -1.168 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 3: | -0.187 | -0.491 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 4: | -0.085 | -0.284 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 5: | -0.960 | -0.051 |
|----|--------|--------|

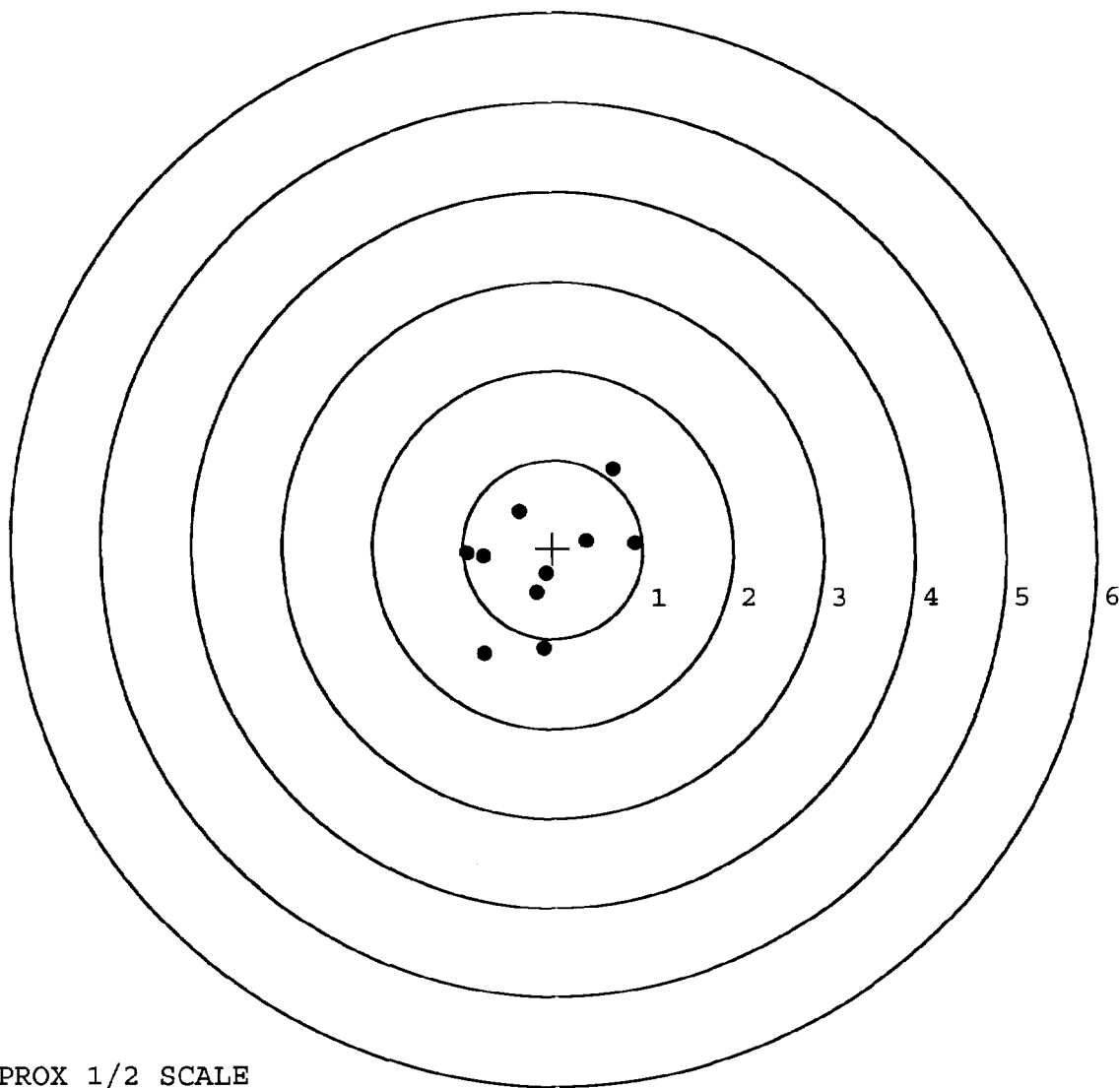
|    |        |       |
|----|--------|-------|
| 6: | -0.371 | 0.426 |
|----|--------|-------|

|    |       |       |
|----|-------|-------|
| 7: | 0.376 | 0.088 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 8: | 0.918 | 0.064 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 9: | 0.677 | 0.894 |
|----|-------|-------|

|     |        |        |
|-----|--------|--------|
| 10: | -0.774 | -0.088 |
|-----|--------|--------|



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587644.\_\_\_\_0

TARGET NUMBER: 3

FILE DATE: 10/15/2007

FILE TIME: 14:47

X CENTROID: -0.061

Y CENTROID: -0.131

POA TO CENTROID: 0.145

HORZ SPREAD: 1.758

VERT SPREAD: 1.670

GROUP SPREAD: 1.928

MIN RADIUS: 0.049

MAX RADIUS: 1.088

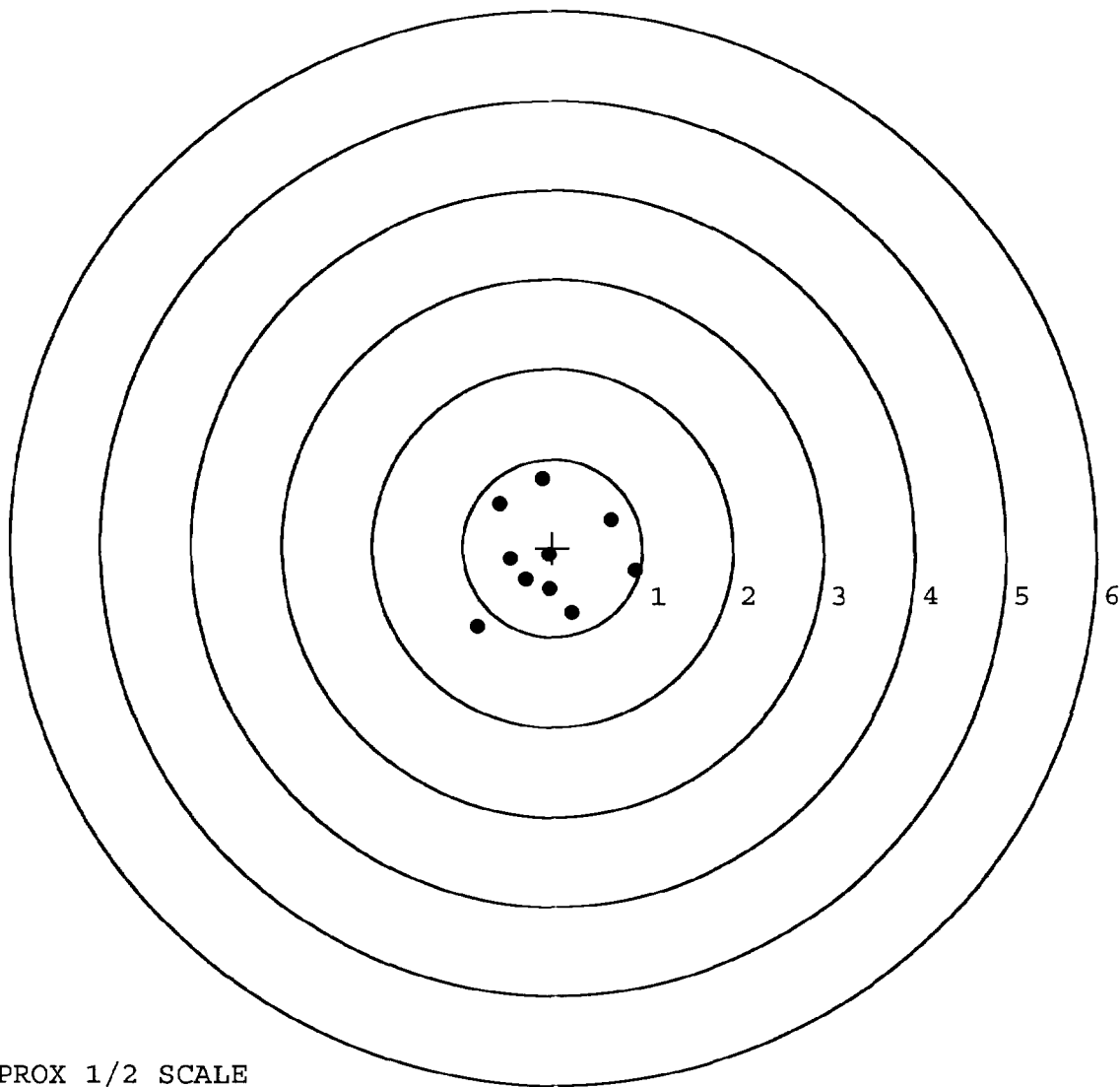
MEAN RADIUS: 0.645

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.917  | -0.264 |
| 2:     | 0.660  | 0.320  |
| 3:     | 0.208  | -0.735 |
| 4:     | -0.841 | -0.890 |
| 5:     | -0.580 | 0.503  |
| 6:     | -0.107 | 0.780  |
| 7:     | -0.040 | -0.466 |
| 8:     | -0.045 | -0.085 |
| 9:     | -0.304 | -0.356 |
| 10:    | -0.477 | -0.121 |

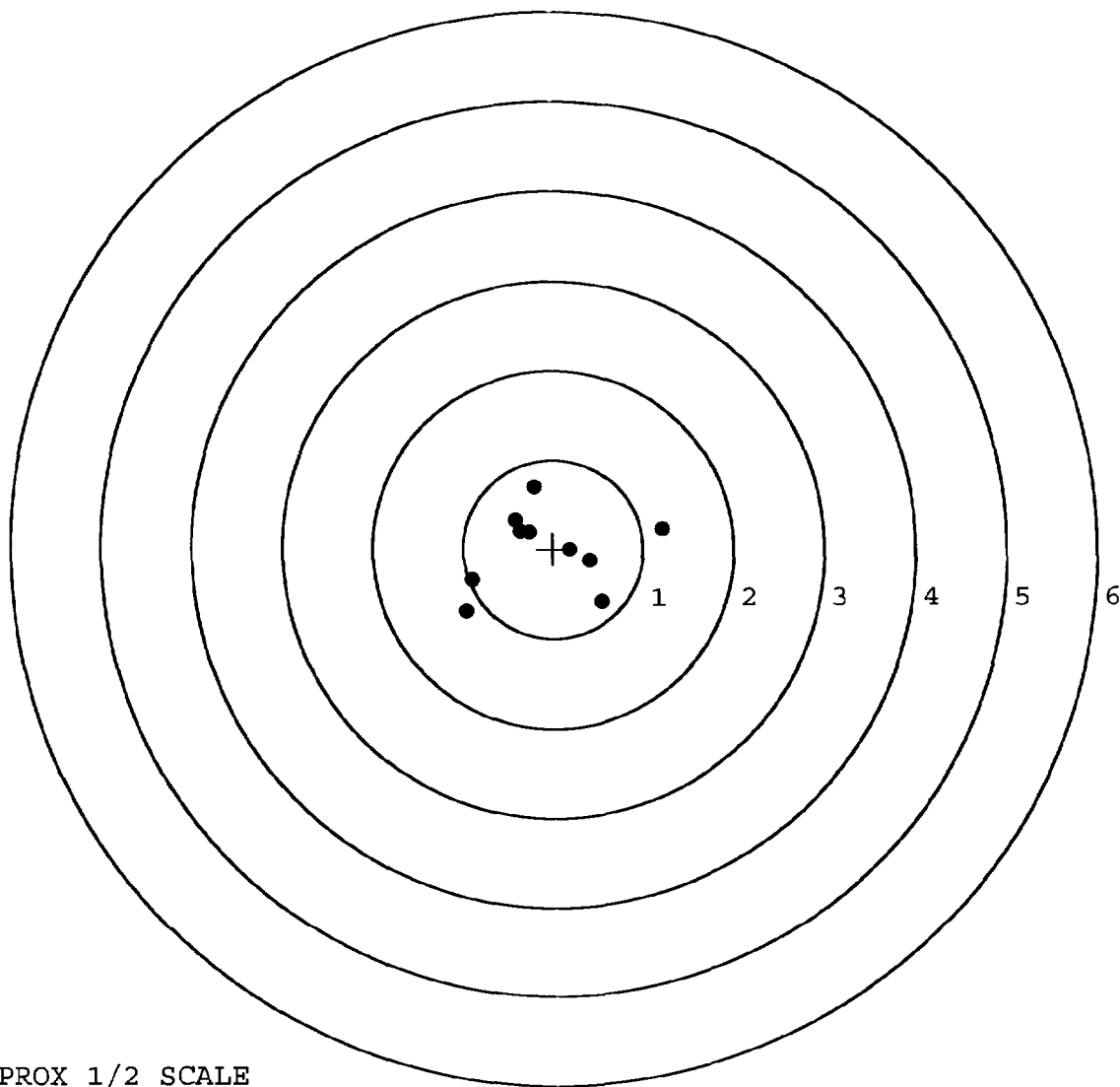


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587644. \_\_ 0  
TARGET NUMBER: 4  
FILE DATE: 10/15/2007  
FILE TIME: 14:47

X CENTROID: -0.079  
Y CENTROID: -0.016  
POA TO CENTROID: 0.080  
HORZ SPREAD: 2.188  
VERT SPREAD: 1.394  
GROUP SPREAD: 2.373  
MIN RADIUS: 0.268  
MAX RADIUS: 1.320  
MEAN RADIUS: 0.678  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.220  | 0.223  |
| 2:     | 0.535  | -0.596 |
| 3:     | 0.403  | -0.137 |
| 4:     | 0.189  | -0.013 |
| 5:     | -0.265 | 0.191  |
| 6:     | -0.419 | 0.321  |
| 7:     | -0.210 | 0.698  |
| 8:     | -0.905 | -0.350 |
| 9:     | -0.968 | -0.696 |
| 10:    | -0.365 | 0.200  |

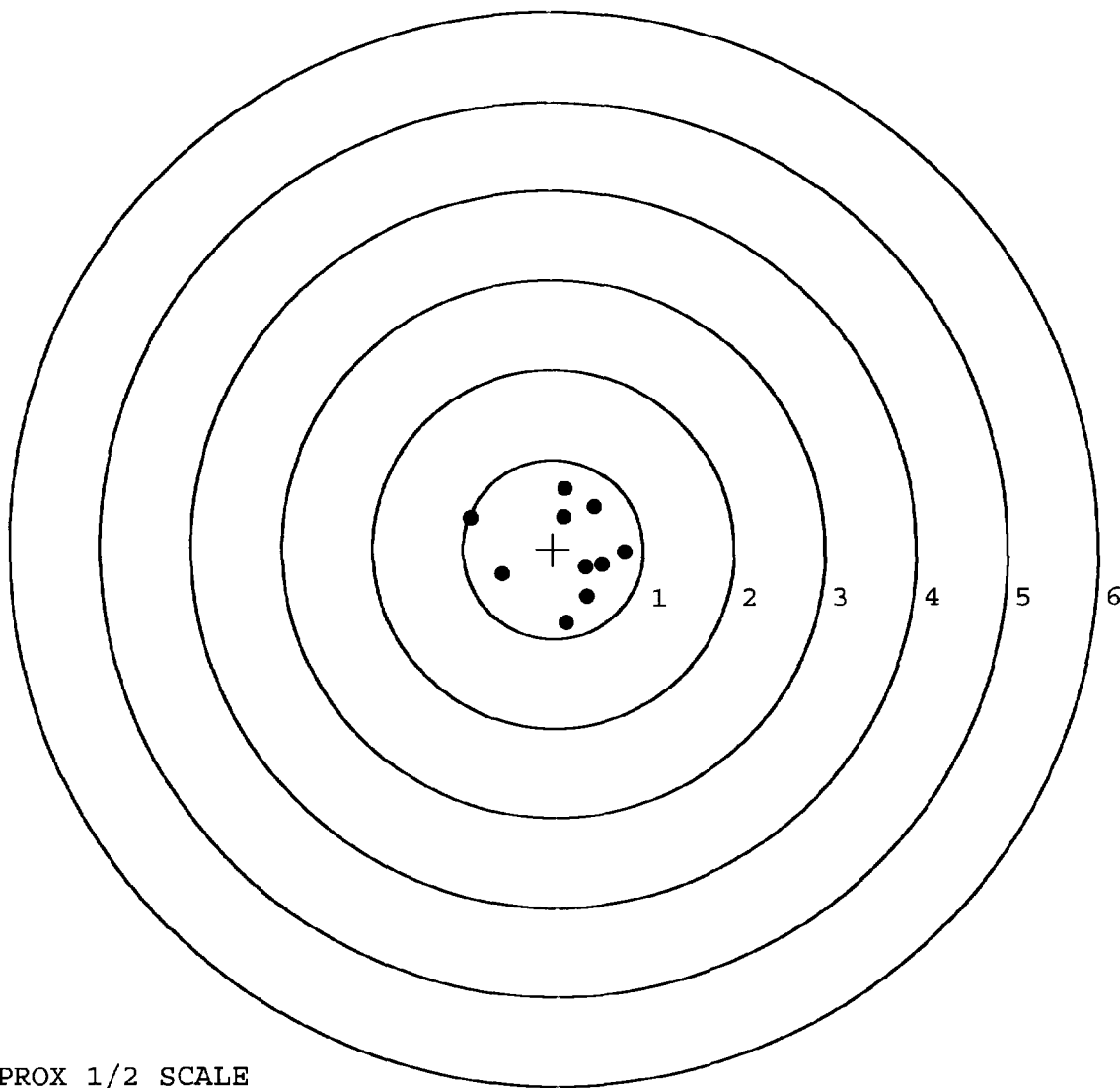


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587644. \_\_ 0  
TARGET NUMBER: 5  
FILE DATE: 10/15/2007  
FILE TIME: 14:47

X CENTROID: 0.144  
Y CENTROID: -0.020  
POA TO CENTROID: 0.146  
HORZ SPREAD: 1.711  
VERT SPREAD: 1.496  
GROUP SPREAD: 1.757  
MIN RADIUS: 0.280  
MAX RADIUS: 1.119  
MEAN RADIUS: 0.627  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.142  | -0.822 |
| 2:     | -0.573 | -0.283 |
| 3:     | -0.911 | 0.354  |
| 4:     | 0.800  | -0.046 |
| 5:     | 0.535  | -0.178 |
| 6:     | 0.359  | -0.200 |
| 7:     | 0.368  | -0.533 |
| 8:     | 0.462  | 0.475  |
| 9:     | 0.122  | 0.362  |
| 10:    | 0.138  | 0.674  |



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 184715  
 SERIAL NUMBER C6587644  
 LOG-IN DATE 8-22-07

| OPERATION # | OPERATION NAME       | DATE                    | INITIAL      |
|-------------|----------------------|-------------------------|--------------|
| 500         | DIS-ASSEMBLE GUN     | 10-1-07                 | RTZ          |
| 505         | RE-BARREL            | 10-3-07                 | RTZ          |
| 560         | ASSEMBLE             | 10-3-07                 | RTZ          |
| 600         | PROOF                | 10-4-07                 | TRW          |
| 605         | CHECK HEADSPACE      | 10-4-07                 | TRW          |
| 610         | DIS-ASSEMBLE GUN     | 10-4-07                 | TRW          |
| 612         | MAGNAFLUX            | 10/5/07                 | WMB          |
| 510         | DRILL AND TAP        | 10-5-07                 | FM           |
| 615         | ROLLMARK CALIBER     | 10-5-07                 | CW           |
| 618         | ROTO-BLAST           | 10-8-07                 | YU           |
| 620         | APPLY COATINGS       | 10/9/07                 | RTZ          |
| 625         | FINAL ASSEMBLY       | 10-12-07                | RTZ          |
| 640         | FUNCTION TEST AND    | (PASS) FAIL             | 10-15-07 TRW |
| 650         | TARGET               | (PASS) FAIL             | 10-15-07 TRW |
|             | MALFUNCTION          | CORRECTION              |              |
|             | MALFUNCTION          | CORRECTION              |              |
|             | MALFUNCTION          | CORRECTION              |              |
|             | MALFUNCTION          | CORRECTION              |              |
| 670         | FINAL INSPECTION     |                         |              |
|             | A) HEADSPACE         | PASS FAIL               |              |
|             | B) TRIGGER PULL      | 236 2.17 2.48 2.14 2.24 | 10/19/07     |
| 680         | F) SAFETY ON FORCE   | 4.5 5.2 5.2             | 10-22-07 RA  |
|             | G) SAFETY OFF FORCE  | 3.9 3.5 3.5             | 10-22-07 RA  |
|             | I) FIRING PIN INDENT | 0.0235 0.0235 0.0235    | 10-22-07 RA  |
| 690         | PACK                 |                         | 10-22-07 RA  |




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

MODEL 700™ H24

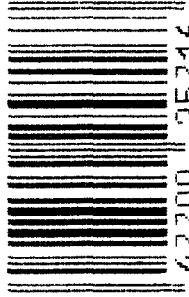
|                        |                   |
|------------------------|-------------------|
| SERIAL NO.<br>C6587644 | 20                |
|                        | ORDER NO.<br>5716 |

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



5716 C6587644

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587644

| OP. #     | OP. NAME                                                 | READINGS | DATE     | INIT |
|-----------|----------------------------------------------------------|----------|----------|------|
| 575 & 580 | Assemble Action and Stock                                | 1024     | 50       | RW   |
| 600       | Proof                                                    | 1024     | 50       | RW   |
| 607       | Check Headspace                                          | 1024     | 50       | RW   |
| 610       | Dis-assemble Gun                                         | 1024     | 50       | RW   |
| 612       | Magnaflux Barrel Action                                  |          | 10/30/90 | KR   |
|           | Magnaflux Bolt                                           |          | "        | KR   |
| 615       | Rollmark Caliber                                         |          | "        | LS   |
| 617       | Drill and Tap Sight Holes                                |          | 11/5/90  | LB   |
| 618       | Polish Barrel AB                                         |          | 11/6/90  | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 11-26-90 | TA   |
|           | Apply Coating (Bolt)                                     |          |          |      |
| 625       | Final Assembly                                           |          |          |      |
|           | A) Clean inside of Bolt Assembly                         |          | 12/12/90 | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 12/12/90 | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 12/12/90 | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 12/14/90 | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 1-4-91   | DH   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4.0      | 4.0  | 4.25 | 4.25 | 4.25 | 1/12/91 | KJ   |
|              | G) Safety Off Force                                         | 2.25     | 2.25 | 2.25 | 2.25 | 2.25 | 1/17/91 | KJ   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 1-4-91  | DH   |
|              | I) Firing Pin Indent                                        | 0.20     | .020 | .020 | .020 | .020 | 4/3/91  | KJ   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 1/17/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 2-1-91  | K    |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 1/17/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 1/17/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 1/17/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 1/17/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 1/17/91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 1-18-91 | NF   |
|              | A) Time                                                     |          |      |      |      |      | "       | NF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | NF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 1-18-91 | NF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 2-1-91  | K    |
|              | B) Trigger Pull                                             | 2.49     | 2.48 | 2.51 | 2.54 | 2.51 | 1-23-91 | JH   |
|              | C) Function                                                 |          |      |      |      |      | 2-1-91  | K    |
| 660          | Pack                                                        |          |      |      |      |      | 3-19-91 | NF   |

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587644

DATE 1-4-91

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.41             | 2.45                     | 2.52                           | 2.49 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.52             | 2.48                     | 2.52                           | 2.48 |                                                                        |
| PULL #3 | 2.51             | 2.43                     | 2.53                           | 2.51 |                                                                        |
| PULL #4 | 2.48             | 2.45                     | 2.57                           | 2.54 |                                                                        |
| PULL #5 | 2.48             | 2.07                     | 2.59                           | 2.51 |                                                                        |
| TOTAL   | 12.40            | 11.88                    | 12.73                          |      |                                                                        |
| AVG.    | 2.48             | 2.37                     | 2.54                           |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.26             | 3.18                     |  |          |
| PULL #2 | 3.30             | 3.15                     |  |          |
| PULL #3 | 3.26             | 3.14                     |  |          |
| PULL #4 | 3.16             | 3.17                     |  |          |
| PULL #5 | 3.40             | 3.20                     |  |          |
| TOTAL   | 16.38            | 15.84                    |  |          |
| AVG.    | 3.27             | 3.16                     |  |          |

|         | 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 | 4.29             | 4.40                     |                                | 4.20                                 |
| PULL #2 | 4.30             | 4.43                     |                                | 4.08                                 |
| PULL #3 | 4.39             | 4.33                     |                                | 4.19                                 |
| PULL #4 | 4.35             | 4.20                     |                                | 4.17                                 |
| PULL #5 | 4.29             | 4.31                     |                                | 4.06                                 |
| TOTAL   | 21.62            | 21.73                    |                                | 20.70                                |
| AVG.    | 4.32             | 4.34                     |                                | 4.14                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587644  
19 Jan 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .139431 |
| 1 TO | 2 | .155824 |
| 1 TO | 3 | .125936 |
| 1 TO | 4 | .202704 |
| 1 TO | 5 | .34056  |

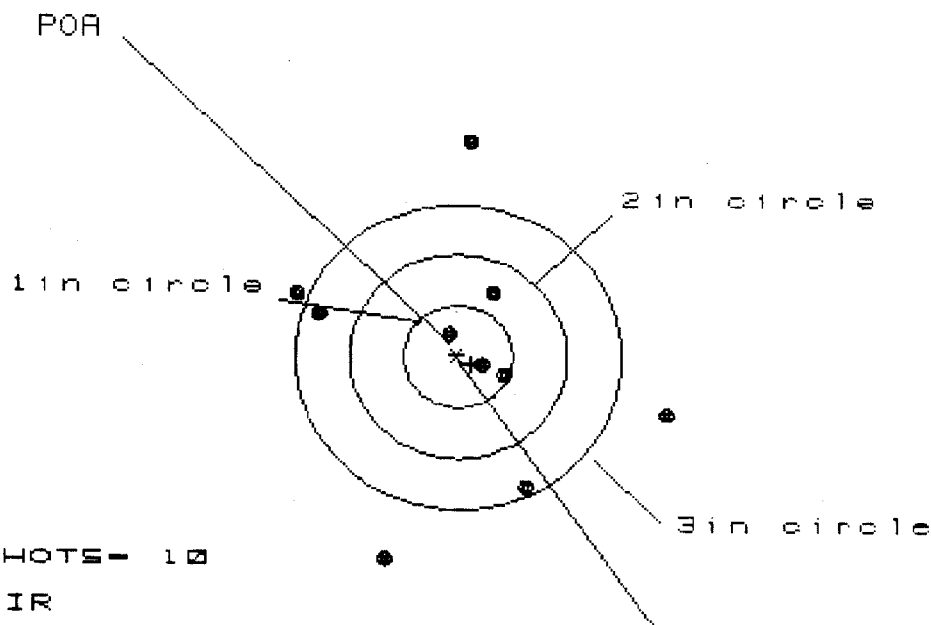
✱ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .002  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0204  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0204978  
THE AMR FOR THIS RIFLE IS: 1.257

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06587644

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 4

3in = 6

HS= 3.398

VS= 4.094

GS= 4.160

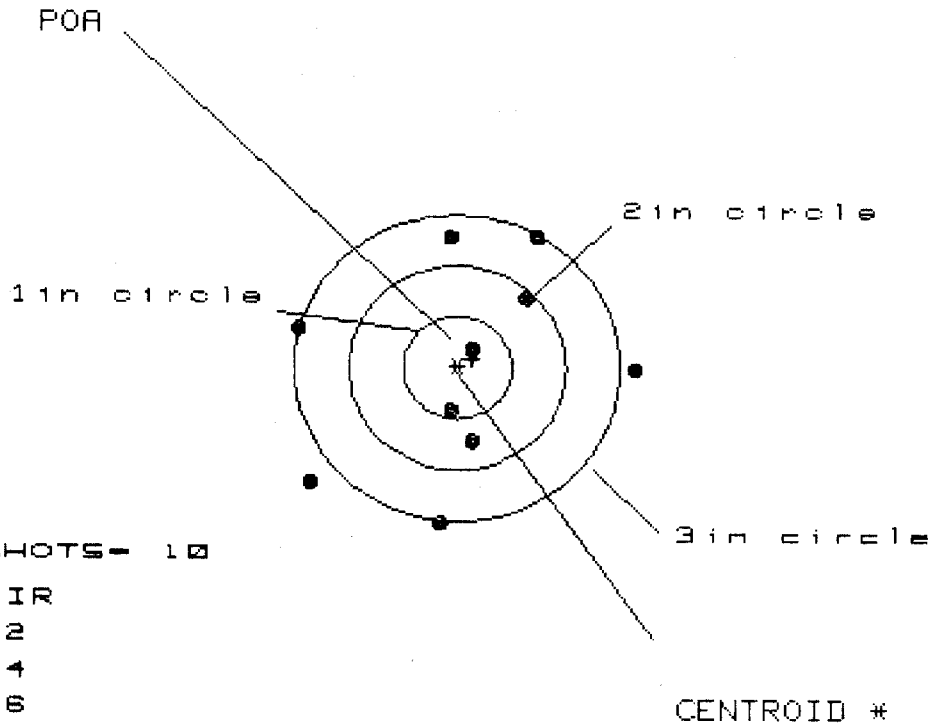
CENTROID \*

| PATTERN #                   | 1      | 2      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.881  | 1.891  | 1.812  |
| MINIMUM X                   | -1.517 | -1.507 | -1.586 |
| MAXIMUM Y                   | 2.161  | .869   | .658   |
| MINIMUM Y                   | -1.933 | -1.693 | -1.272 |
| CENTROID X                  | -.120  | -.130  | -.051  |
| CENTROID Y                  | .071   | -.169  | .042   |
| POA TO CENTROID in.         | .139   | .213   | .066   |
| MIN RADIUS                  | .247   | .270   | .172   |
| MEAN RADIUS                 | 1.218  | 1.130  | .988   |
| MAX RADIUS                  | 2.163  | 1.913  | 1.880  |
| HORIZONTAL SPREAD           | 3.398  | 3.398  | 3.398  |
| VERTICAL SPREAD             | 4.094  | 2.562  | 1.930  |
| EXTREME SPREAD              | 4.160  | 3.576  | 3.576  |
| NUMBER IN ONE INCH CIRCLE   | = 3    |        |        |
| NUMBER IN TWO INCH CIRCLE   | = 4    |        |        |
| NUMBER IN THREE INCH CIRCLE | = 6    |        |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587644

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.177

VS= 2.846

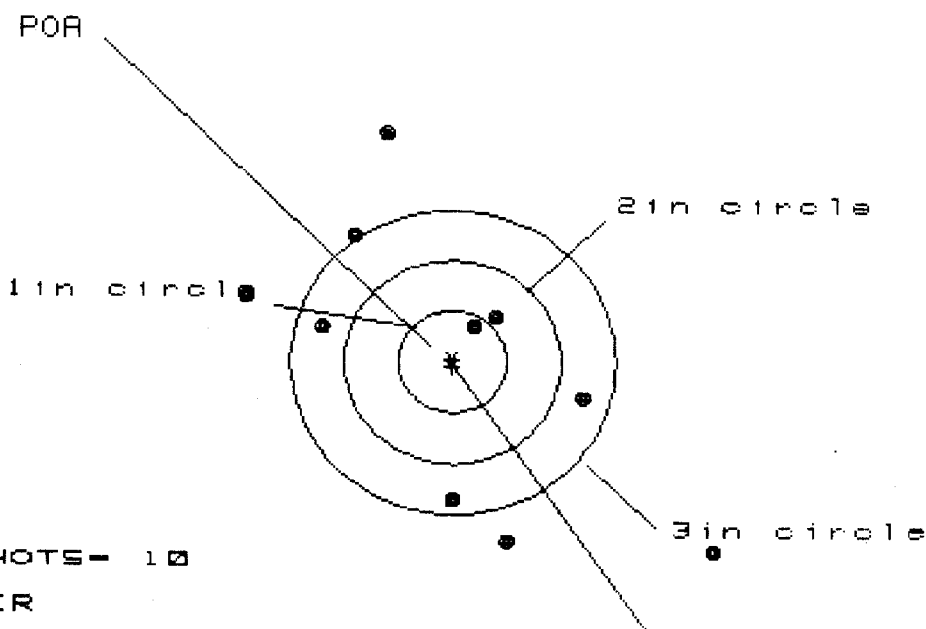
GS= 3.205

| PATTERN #                   | : |        |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.666  | 1.518  | .743   |
| MINIMUM X                   | : | -1.510 | -1.659 | -1.470 |
| MAXIMUM Y                   | : | 1.331  | 1.207  | 1.184  |
| MINIMUM Y                   | : | -1.515 | -1.639 | -1.662 |
| CENTROID X                  | : | -.136  | .013   | -.176  |
| CENTROID Y                  | : | -.084  | .040   | .063   |
| POA TO CENTROID in.         | : | .159   | .042   | .187   |
| MIN RADIUS                  | : | .258   | .098   | .190   |
| MEAN RADIUS                 | : | 1.166  | 1.077  | 1.028  |
| MAX RADIUS                  | : | 1.742  | 1.678  | 1.670  |
| HORIZONTAL SPREAD           | : | 3.177  | 3.177  | 2.213  |
| VERTICAL SPREAD             | : | 2.846  | 2.846  | 2.846  |
| EXTREME SPREAD              | : | 3.205  | 3.205  | 2.938  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587644

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 2

3in = 5

HS= 4.262

VS= 4.112

GS= 5.077

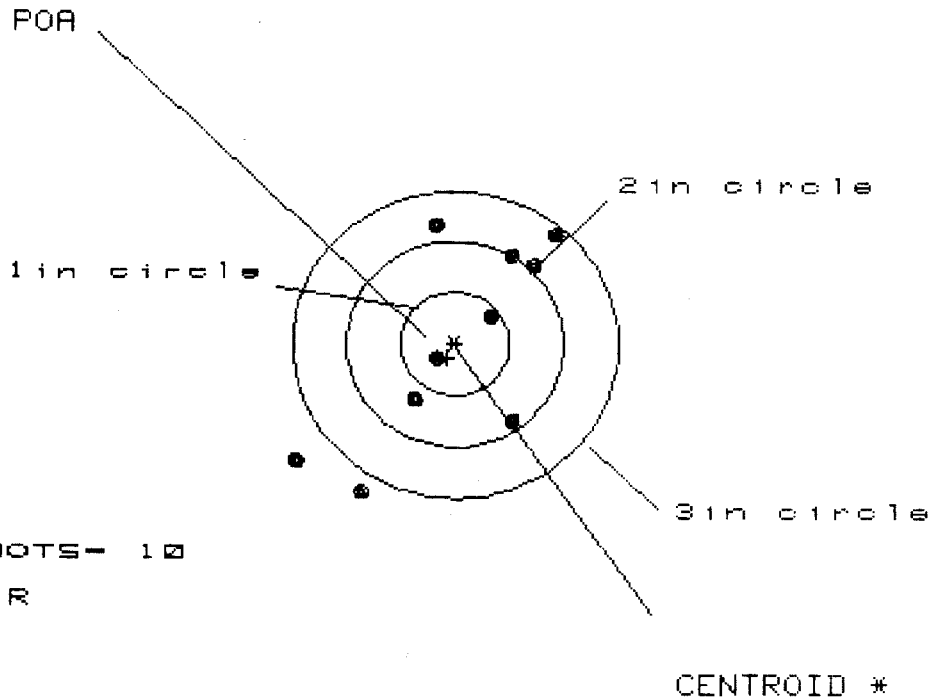
CENTROID \*

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.385  | 1.412  | 1.372  |
| MINIMUM X                   | : | -1.877 | -1.612 | -1.652 |
| MAXIMUM Y                   | : | 2.223  | 2.013  | 1.280  |
| MINIMUM Y                   | : | -1.889 | -1.991 | -1.739 |
| CENTROID X                  | : | .004   | -.261  | -.221  |
| CENTROID Y                  | : | .049   | .259   | .007   |
| POA TO CENTROID in.         | : | .049   | .368   | .221   |
| MIN RADIUS                  | : | .422   | .460   | .578   |
| MEAN RADIUS                 | : | 1.544  | 1.352  | 1.274  |
| MAX RADIUS                  | : | 3.043  | 2.142  | 1.894  |
| HORIZONTAL SPREAD           | : | 4.262  | 3.024  | 3.024  |
| VERTICAL SPREAD             | : | 4.112  | 4.004  | 3.019  |
| EXTREME SPREAD              | : | 5.077  | 4.157  | 3.431  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 5      |        |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587644

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.438

VS= 2.585

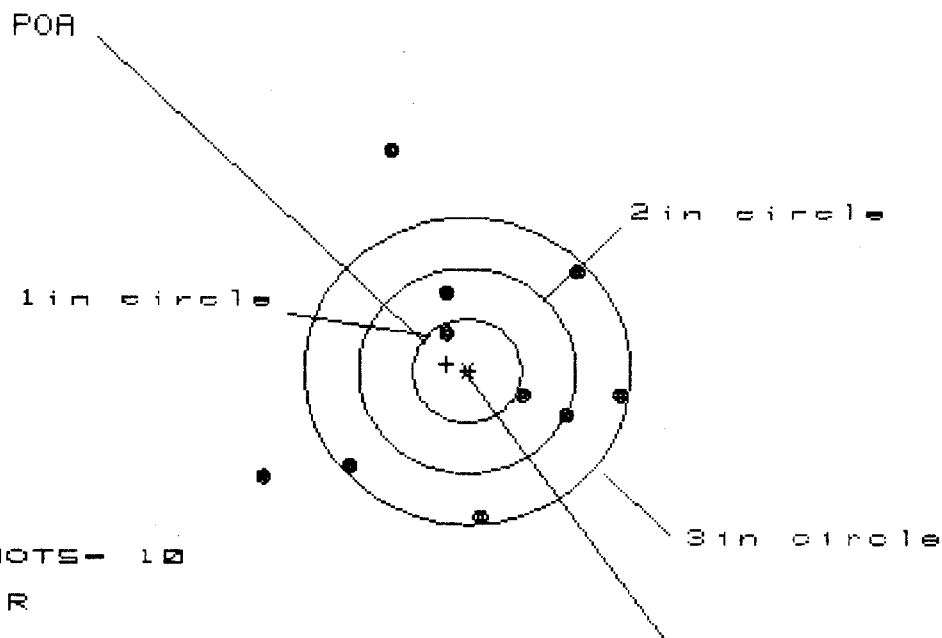
GS= 3.331

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .973   | .810   | .678   |
| MINIMUM X                   | : | -1.465 | -1.055 | -.690  |
| MAXIMUM Y                   | : | 1.115  | .986   | .786   |
| MINIMUM Y                   | : | -1.470 | -1.599 | -1.094 |
| CENTROID X                  | : | .072   | .235   | .367   |
| CENTROID Y                  | : | .136   | .265   | .465   |
| POA TO CENTROID in.         | : | .154   | .355   | .593   |
| MIN RADIUS                  | : | .230   | .256   | .084   |
| MEAN RADIUS                 | : | 1.051  | .932   | .760   |
| MAX RADIUS                  | : | 1.870  | 1.916  | 1.128  |
| HORIZONTAL SPREAD           | : | 2.438  | 1.865  | 1.368  |
| VERTICAL SPREAD             | : | 2.585  | 2.585  | 1.880  |
| EXTREME SPREAD              | : | 3.331  | 3.183  | 2.135  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587644

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 3

3in = 8

HS= 3.335

VS= 3.663

GS= 3.733

CENTROID \*

| PATTERN #                     | : | 5      | 9      | 8      |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.454  | 1.383  | 1.139  |
| MINIMUM X                     | : | -1.881 | -1.952 | -1.398 |
| MAXIMUM Y                     | : | 2.192  | 1.213  | 1.113  |
| MINIMUM Y                     | : | -1.471 | -1.227 | -1.327 |
| CENTROID X                    | : | .190   | .261   | .505   |
| CENTROID Y                    | : | -.070  | -.314  | -.214  |
| POA TO CENTROID in.           | : | .202   | .408   | .549   |
| MIN RADIUS                    | : | .464   | .476   | .257   |
| MEAN RADIUS                   | : | 1.306  | 1.186  | 1.015  |
| MAX RADIUS                    | : | 2.285  | 2.109  | 1.591  |
| HORIZONTAL SPREAD             | : | 3.335  | 3.335  | 2.537  |
| VERTICAL SPREAD               | : | 3.663  | 2.440  | 2.440  |
| EXTREME SPREAD                | : | 3.733  | 3.528  | 2.814  |
| NUMBER IN ONE INCH CIRCLE =   | : | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | : | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE = | : | 8      |        |        |