

C6523462

MODEL 700<sup>TM</sup> M24

Model **SMS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

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

Repair Inquiry

Repair Number: **RE00102291** Serial: C6523462 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/14/2005 7:42:53 AM

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: **HHC 2 128TH IN BN** **HHC 2 128TH IN BN**

Address 1: **2490 25TH STREET** **2490 25TH STREET**

Address 2:  PO Box:   PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Condition: **Fair**

Notes:

CSR Notes:

Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A006 | Sling Strap           | 1   |
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A016 | Scope Rings           | 2   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

Repair Search Refresh Close

naqletj 10/14/2005 7:59 AM CAPS NUM INS SCPL

start 3 4 2

Serial Number: **C6523462**

Model: **M24 SWS**

**RE00102291**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523462.\_\_\_0

FILE DATE AND TIME: 10/24/2005 09:59

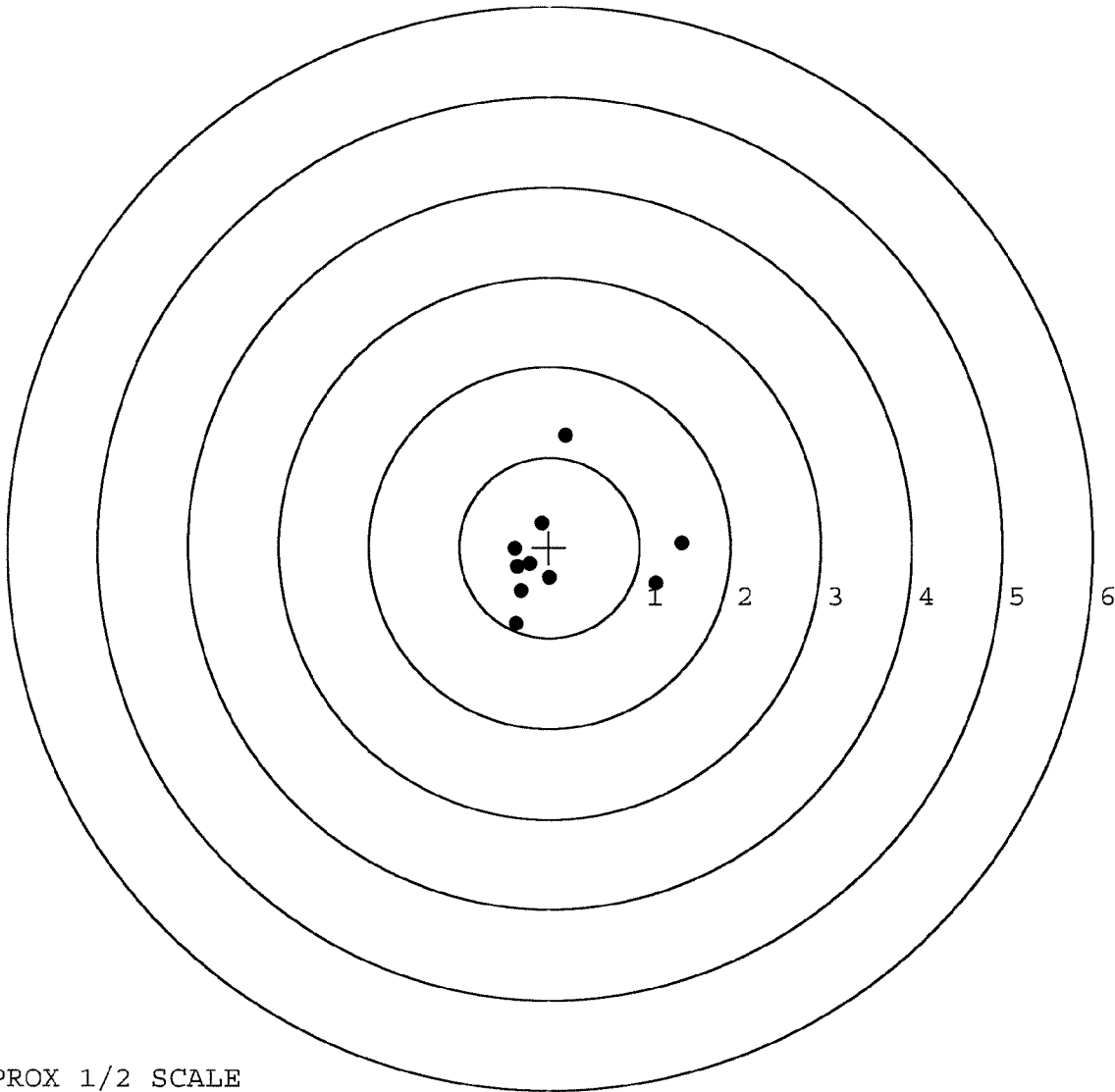
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.051  |
| The Average Y Centroid of the Five Target Set:              | -0.062 |
| The Average Point of Impact of the Five Target Set:         | 0.080  |
| The Average Mean Radius of the Five Target Set:             | 0.557  |
| The Distance from POA to Centroid Target #1:                | 0.144  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.089  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.092  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.103  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.075  |

SERIAL NUMBER: C6523462.\_\_\_\_0  
TARGET NUMBER: 1  
FILE DATE: 10/24/2005  
FILE TIME: 09:59

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.175  | -0.402 |
| 2:     | 1.461  | 0.042  |
| 3:     | 0.186  | 1.246  |
| 4:     | -0.373 | -0.849 |
| 5:     | -0.085 | 0.267  |
| 6:     | -0.383 | -0.018 |
| 7:     | 0.001  | -0.337 |
| 8:     | -0.316 | -0.480 |
| 9:     | -0.354 | -0.215 |
| 10:    | -0.215 | -0.183 |

X CENTROID: 0.110  
Y CENTROID: -0.093  
POA TO CENTROID: 0.144  
HORZ SPREAD: 1.844  
VERT SPREAD: 2.095  
GROUP SPREAD: 2.039  
MIN RADIUS: 0.267  
MAX RADIUS: 1.358  
MEAN RADIUS: 0.727  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10

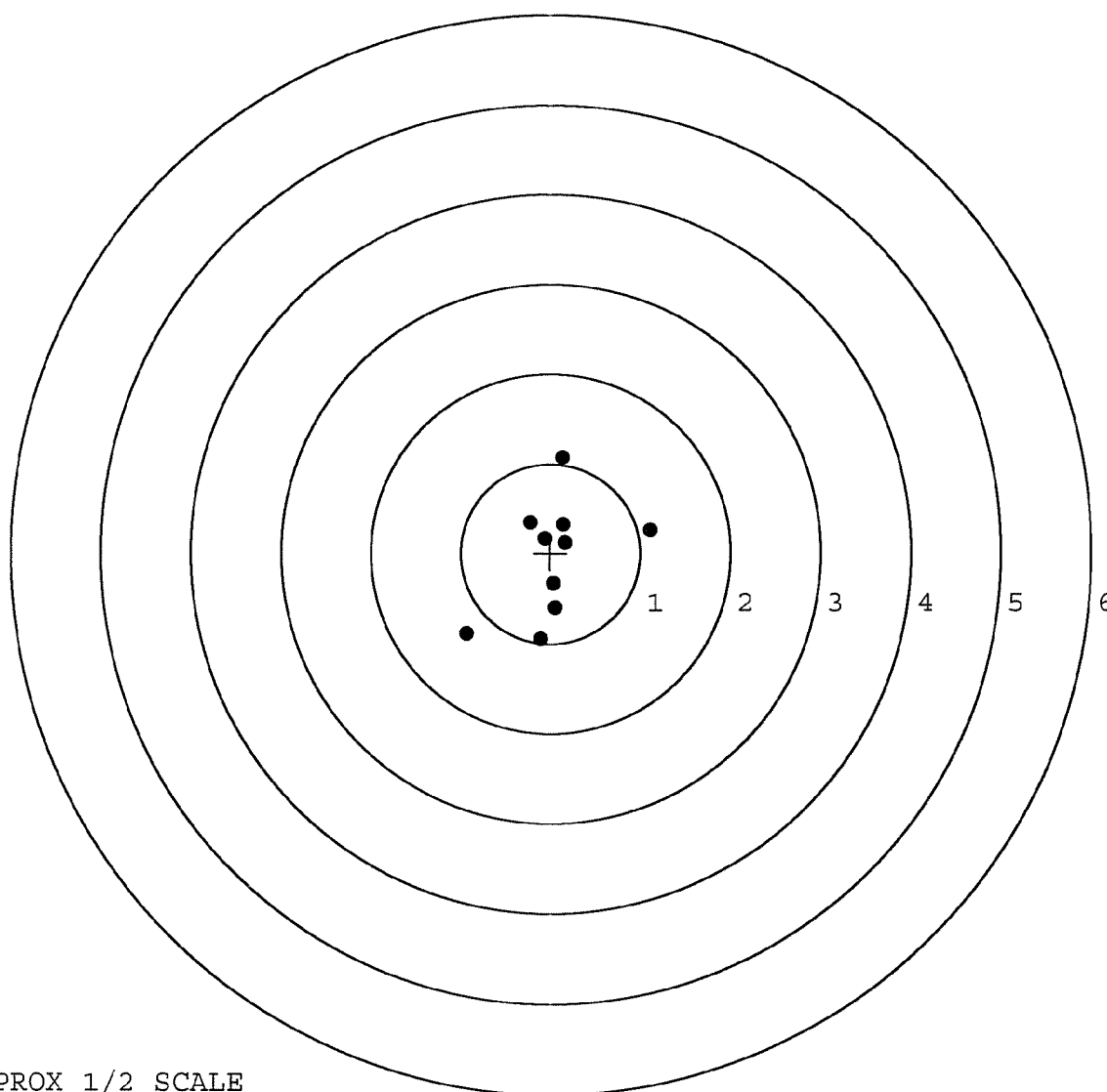


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523462.\_\_\_0  
TARGET NUMBER: 2  
FILE DATE: 10/24/2005  
FILE TIME: 09:59

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.107  | 0.256  |
| 2:     | -0.940 | -0.898 |
| 3:     | -0.110 | -0.959 |
| 4:     | 0.057  | -0.611 |
| 5:     | 0.035  | -0.340 |
| 6:     | 0.136  | 1.073  |
| 7:     | 0.143  | 0.323  |
| 8:     | 0.166  | 0.118  |
| 9:     | -0.225 | 0.341  |
| 10:    | -0.065 | 0.162  |

X CENTROID: 0.030  
Y CENTROID: -0.053  
POA TO CENTROID: 0.062  
HORZ SPREAD: 2.047  
VERT SPREAD: 2.032  
GROUP SPREAD: 2.350  
MIN RADIUS: 0.219  
MAX RADIUS: 1.286  
MEAN RADIUS: 0.662  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10

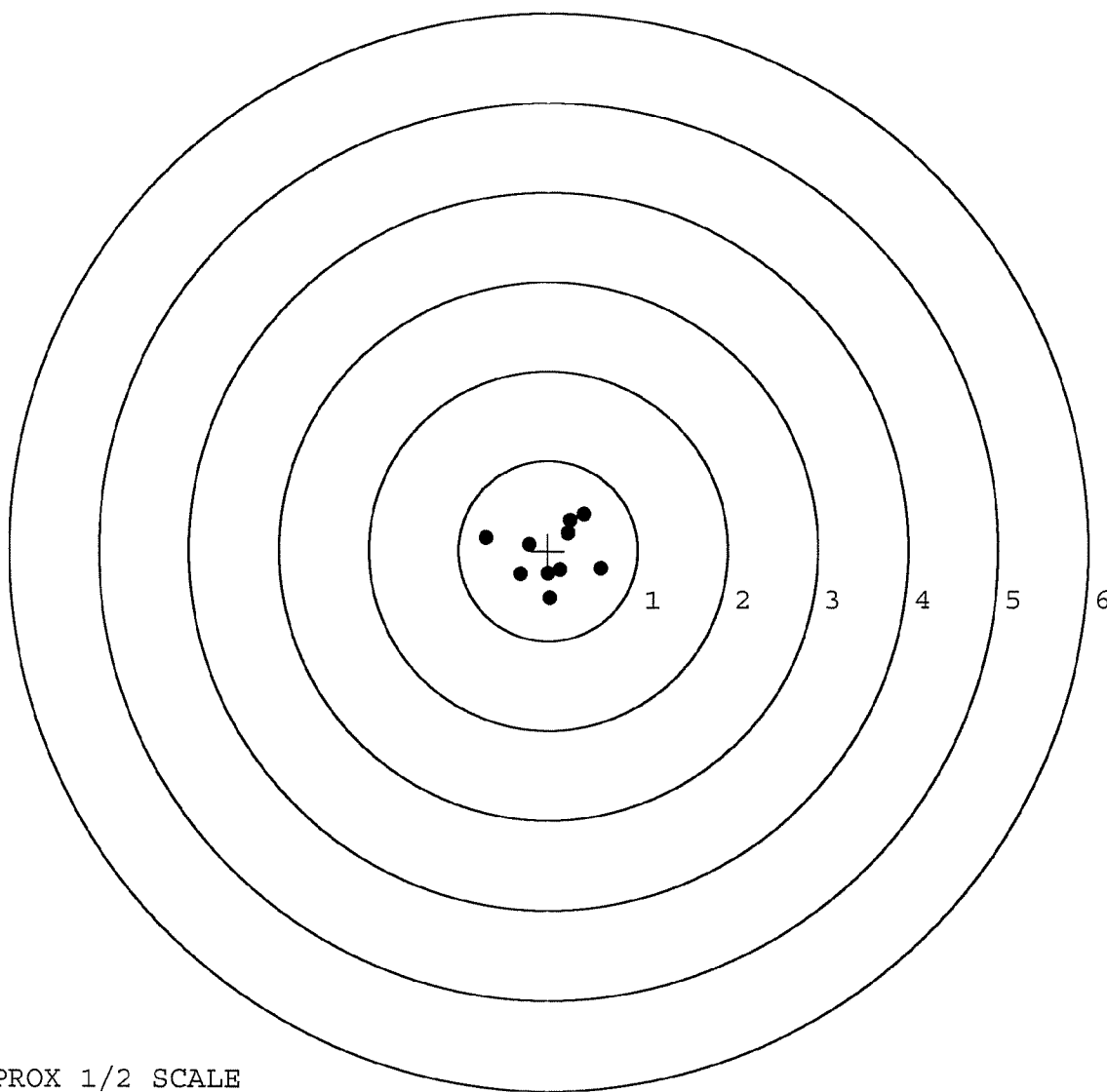


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523462. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 10/24/2005  
FILE TIME: 09:59

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.402  | 0.406  |
| 2:     | 0.252  | 0.335  |
| 3:     | 0.224  | 0.199  |
| 4:     | 0.589  | -0.201 |
| 5:     | 0.136  | -0.215 |
| 6:     | 0.022  | -0.527 |
| 7:     | -0.307 | -0.266 |
| 8:     | -0.207 | 0.067  |
| 9:     | -0.700 | 0.146  |
| 10:    | -0.002 | -0.259 |

X CENTROID: 0.041  
Y CENTROID: -0.031  
POA TO CENTROID: 0.052  
HORZ SPREAD: 1.289  
VERT SPREAD: 0.933  
GROUP SPREAD: 1.335  
MIN RADIUS: 0.207  
MAX RADIUS: 0.762  
MEAN RADIUS: 0.424  
# IN 1 IN DIAMETER: 7  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

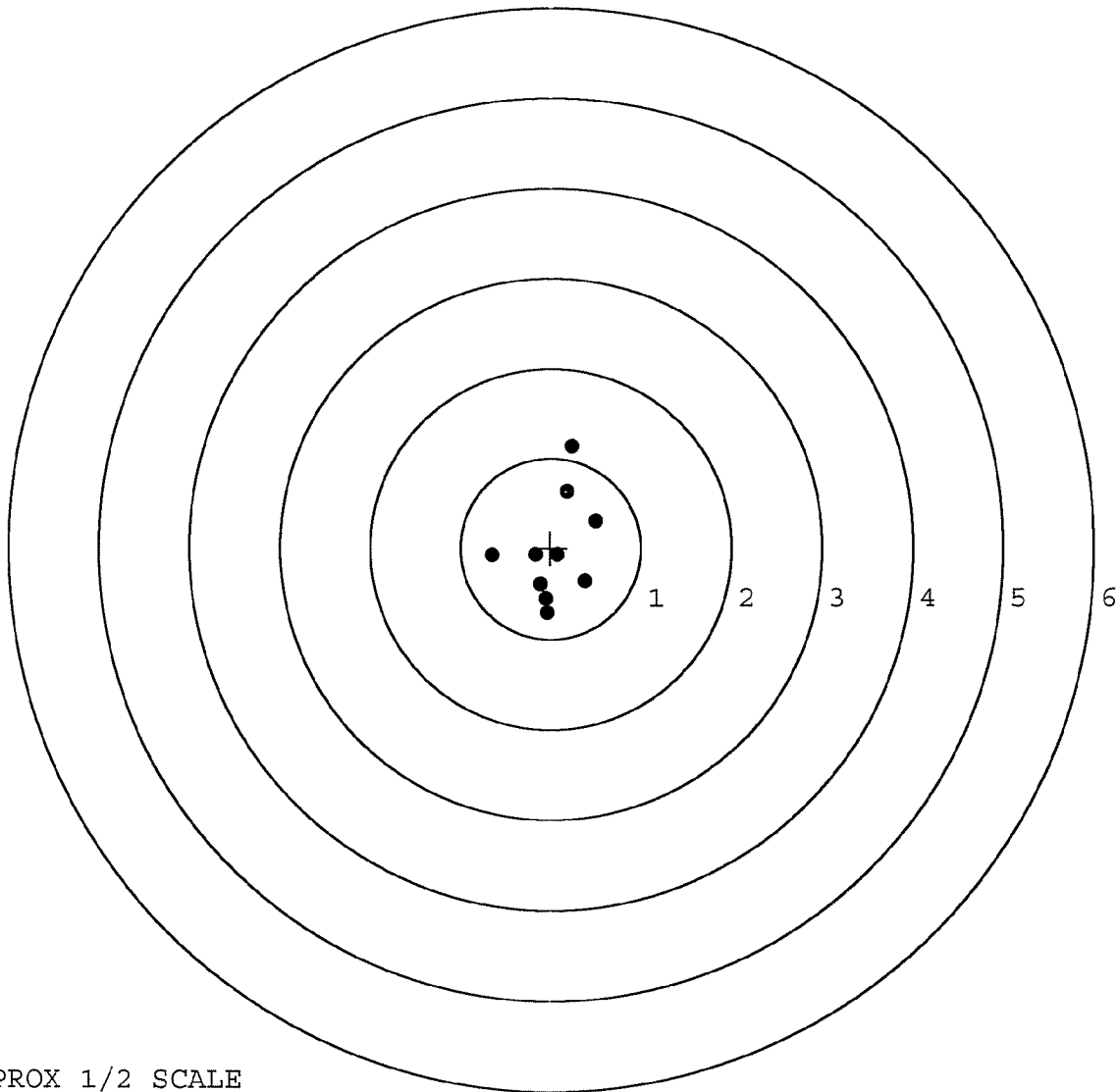


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523462.\_\_\_\_0  
TARGET NUMBER: 4  
FILE DATE: 10/24/2005  
FILE TIME: 09:59

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.500  | 0.302  |
| 2:     | 0.183  | 0.632  |
| 3:     | 0.238  | 1.127  |
| 4:     | -0.649 | -0.080 |
| 5:     | 0.380  | -0.367 |
| 6:     | -0.045 | -0.718 |
| 7:     | -0.059 | -0.560 |
| 8:     | -0.117 | -0.401 |
| 9:     | 0.078  | -0.079 |
| 10:    | -0.167 | -0.079 |

X CENTROID: 0.034  
Y CENTROID: -0.022  
POA TO CENTROID: 0.041  
HORZ SPREAD: 1.149  
VERT SPREAD: 1.845  
GROUP SPREAD: 1.867  
MIN RADIUS: 0.072  
MAX RADIUS: 1.167  
MEAN RADIUS: 0.551  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

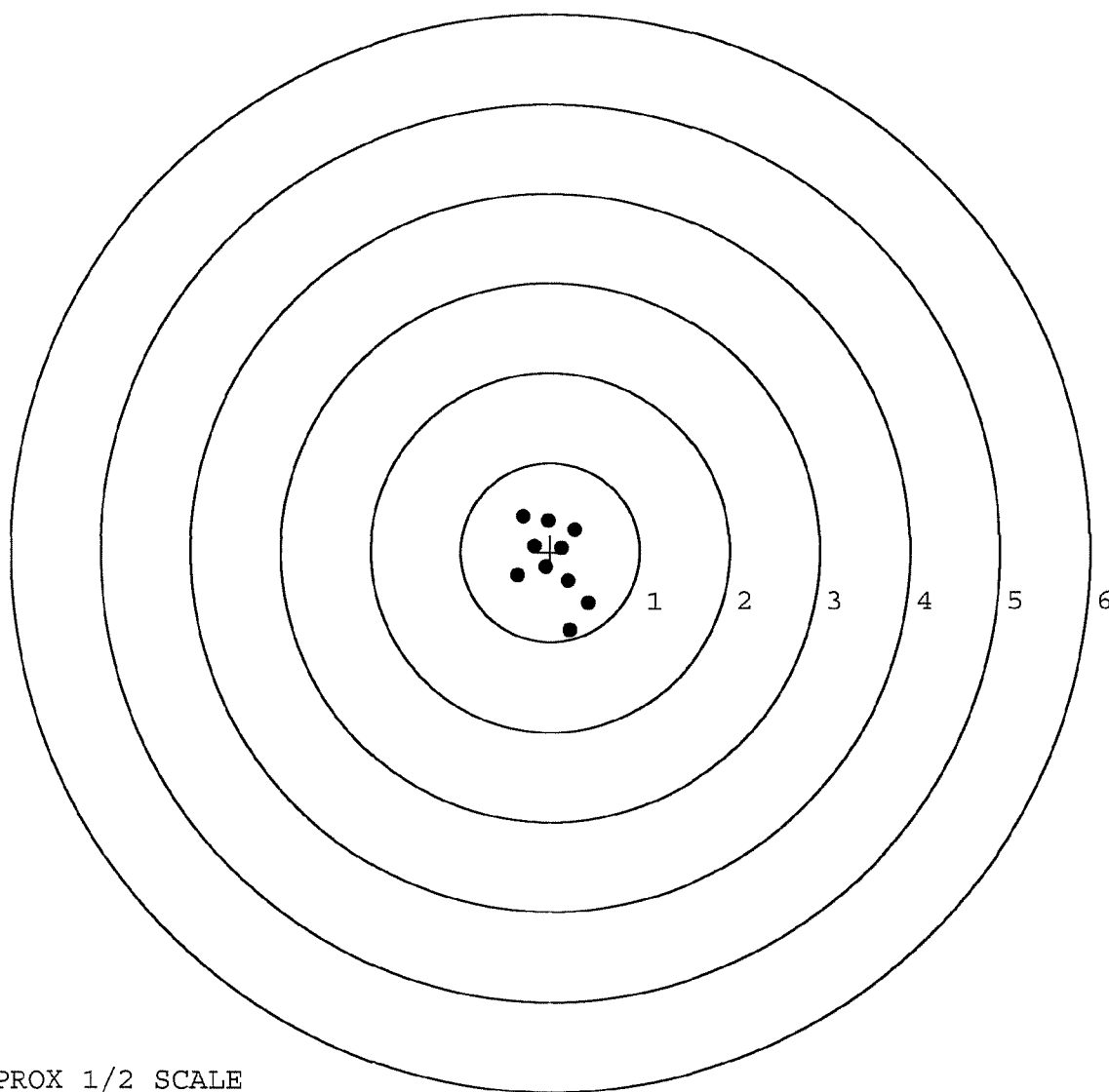


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523462.\_\_\_0  
TARGET NUMBER: 5  
FILE DATE: 10/24/2005  
FILE TIME: 09:59

X CENTROID: 0.037  
Y CENTROID: -0.112  
POA TO CENTROID: 0.118  
HORZ SPREAD: 0.793  
VERT SPREAD: 1.276  
GROUP SPREAD: 1.380  
MIN RADIUS: 0.105  
MAX RADIUS: 0.787  
MEAN RADIUS: 0.419  
# IN 1 IN DIAMETER: 7  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.226  | -0.876 |
| 2:     | 0.431  | -0.579 |
| 3:     | 0.203  | -0.332 |
| 4:     | 0.284  | 0.253  |
| 5:     | -0.017 | 0.353  |
| 6:     | -0.299 | 0.400  |
| 7:     | -0.362 | -0.273 |
| 8:     | -0.047 | -0.174 |
| 9:     | -0.174 | 0.065  |
| 10:    | 0.129  | 0.044  |



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

USAPPC V1.10

**M2400028574**

M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-D-0127

|                     |                    |                     |          |
|---------------------|--------------------|---------------------|----------|
| R & E NUMBER        | 102291             |                     |          |
| SERIAL NUMBER       | CL6523462          |                     |          |
| LOG-IN DATE         | 10-14-05           |                     |          |
| INSPECT AND VERIFY: |                    |                     |          |
| OPERATION #         | OPERATION NAME     | DATE                | INITIALS |
| 550                 | DIS-ASSEMBLE GUN   | 10-17-05            | RTZ      |
| 560 A               | RE-BARREL          |                     |          |
| B                   | DRILL AND TAP      | 10-20-05            | BR       |
| 575                 | ASSEMBLE           | 10-19-05            | CD       |
| 600                 | PROOF              | 10-19-05            | CD       |
| 605                 | CHECK HEADSPACE    | 10-19-05            | CD       |
| 610                 | DIS-ASSEMBLE GUN   | 10-19-05            | CD       |
| 612                 | MAGNAFLUX          | 10/20/05            | unus     |
| 615                 | ROLLMARK CALIBER   | 10/20/05            | CW       |
| 618                 | ROTO-BLAST         | 10-21-05            | LB       |
| 620                 | APPLY COATINGS     | 10/21/05            | HP       |
| 625 A               | FINAL ASSEMBLY     | 10-24-05            | RTZ      |
| B                   | TRIGGER PULL TEST  |                     |          |
| C                   | SAFETY "ON" FORCE  | 10-26-05            | BC       |
| D                   | SAFETY "OFF" FORCE | 10-26-05            | BC       |
| E                   | FIRING PIN INDENT  | 10-26-05            | BC       |
| 640                 | TARGET             | 10-24-05            | TKU      |
| 655                 | FINAL INSPECT      | 10-26-05            | BC       |
| 660                 | RACK               | 10-27-05            | RA       |
|                     |                    | SHIP DATE           |          |
|                     |                    | QAR INSPECTION DATE |          |

**Remington**<sup>®</sup> **DUPONT**  
REG. U.S. PAT. & TM. OFF.

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

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

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

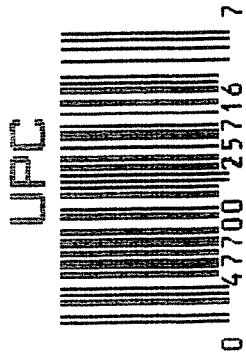
**SERIAL NO.  
 C6523462**

**ORDER NO.  
 5716**

**Ø1**



5716 C6523462



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06523462

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 9 25     | 90       | RW   |
| 600          | Proof                                                          | 9 25     | 90       | RW   |
| 607          | Check Headspace                                                | 9 25     | 90       | RW   |
| 610          | Dis-assemble Gun                                               | 9 25     | 90       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 9-26-90  | KR   |
|              | Magnaflux Bolt                                                 |          | 9-26-90  | KR   |
| 615          | Rollmark Caliber                                               |          | 9-26-90  | G.S. |
| 617          | Drill and Tap Sight Holes                                      |          | 9/28/90  | RB   |
| 618          | Polish Barrel RB                                               |          | 10/1/90  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-5-90  | TSA  |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/8/90  | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/8/90  | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/8/90  | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/8/90  | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 10/12/90 | HL   |

| op. #        | OP. NAME                                                    | READINGS |       |       |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 |     |     | 10/16/90 | WBS  |
|              | G) Safety Off Force                                         | 3 1/2    | 3 1/2 | 3 1/2 |     |     | 10/16/90 | WBS  |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 10/12/90 | JPL  |
|              | I) Firing Pin Indent                                        | .021     | .0215 | .0215 |     |     | 10/16/90 | WBS  |
|              | J) Assemble Stock                                           |          |       |       |     |     | 10/16/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 10-20-90 | QJ   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 10/16/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 10/16/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 10/16/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 10/22/90 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 10/22/90 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 11-24-90 | KT   |
|              | A) Time                                                     |          |       |       |     |     | 10-24-90 | KT   |
|              | B) Malfunctions                                             |          |       |       |     |     | 10-24-90 | KT   |
|              | C) Pierced Primers                                          |          |       |       |     |     | 10-24-90 | KT   |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 10-24-90 | KT   |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 10-24-90 | KT   |
| 655          | Final Inspection                                            |          |       |       |     |     | 11-20-90 | QJ   |
|              | A) Headspace                                                |          |       |       |     |     | 11-20-90 | QJ   |
|              | B) Trigger Pull                                             | 222      | 290   | 291   | 231 | 230 | 11-20-90 | QJ   |
|              | C) Function                                                 |          |       |       |     |     | 11-20-90 | QJ   |
| 660          | Pack                                                        |          |       |       |     |     | 12/14/90 | VF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523462

DATE 10-12-90

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.18             | 2.47                     | 2.43                           | 2.72 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.31             | 2.50                     | 2.38                           | 2.90 |                                                                        |
| PULL #3 | 2.51             | 2.20                     | 2.40                           | 2.91 |                                                                        |
| PULL #4 | 2.40             | 2.39                     | 2.46                           | 2.31 |                                                                        |
| PULL #5 | 2.44             | 2.46                     | 2.30                           | 2.30 |                                                                        |
| TOTAL   | 11.84            | 12.02                    | 11.97                          |      |                                                                        |
| AVG.    | 2.368            | 2.404                    | 2.394                          |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.26             | 3.31                     |  |          |
| PULL #2 | 3.32             | 3.31                     |  |          |
| PULL #3 | 3.33             | 3.30                     |  |          |
| PULL #4 | 3.35             | 3.27                     |  |          |
| PULL #5 | 3.40             | 3.26                     |  |          |
| TOTAL   | 16.66            | 16.45                    |  |          |
| AVG.    | 3.332            | 3.29                     |  |          |

|         | 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             | 4.21                     |                                | 4.21                                 |
| PULL #2 | 4.21             | 4.18                     |                                | 4.16                                 |
| PULL #3 | 4.26             | 4.18                     |                                | 4.33                                 |
| PULL #4 | 4.28             | 4.18                     |                                | 4.19                                 |
| PULL #5 | 4.23             | 4.13                     |                                | 4.32                                 |
| TOTAL   | 21.25            | 20.88                    |                                | 21.21                                |
| AVG.    | 4.25             | 4.176                    |                                | 4.242                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06523462  
25 Oct 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .353362 |
| 1 TO | 2 | .851127 |
| 1 TO | 3 | .389772 |
| 1 TO | 4 | .331798 |
| 1 TO | 5 | .512104 |

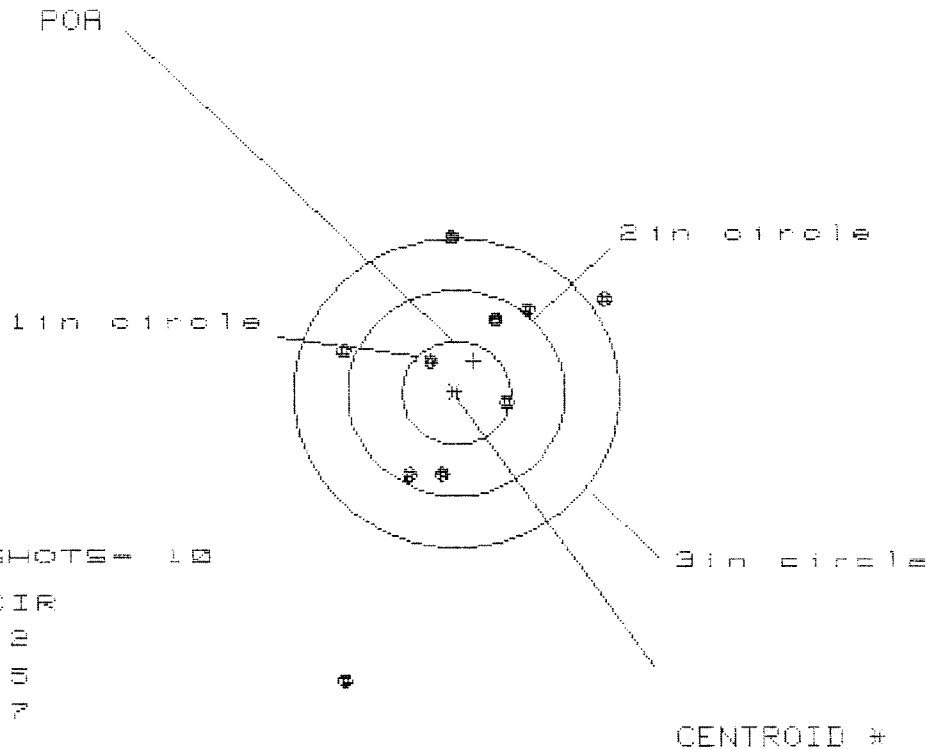
$\bar{x}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0832  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0178  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0850823  
THE AMR FOR THIS RIFLE IS: 1.137

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8523462

# CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 7

HM = 3.474

VM = 4.343

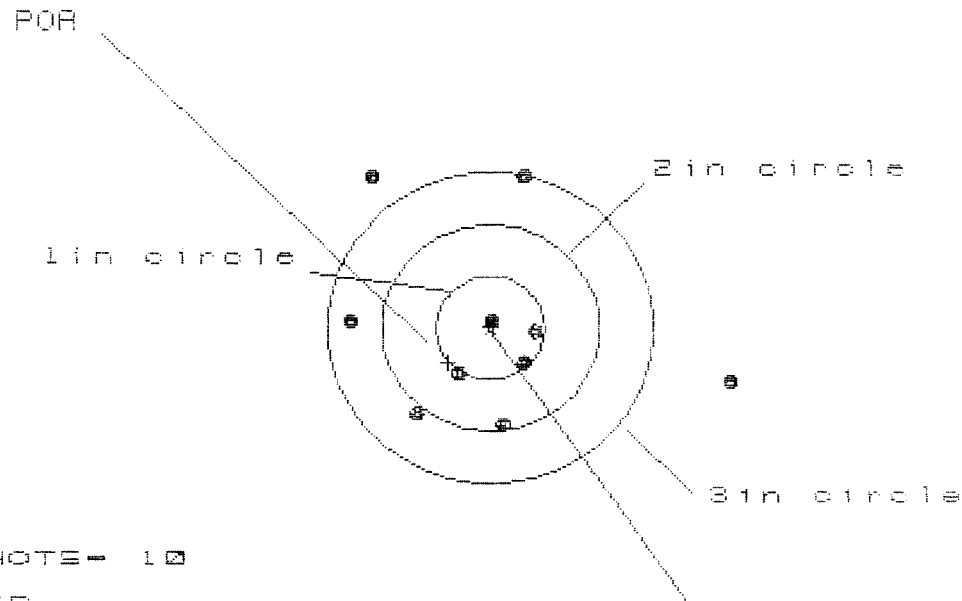
GM = 4.493

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.390  | 1.270  | .749   |
| MINIMUM X                     | -1.084 | -1.136 | -.977  |
| MAXIMUM Y                     | 1.522  | 1.208  | 1.285  |
| MINIMUM Y                     | -2.821 | -1.131 | -1.054 |
| CENTROID X                    | -.164  | -.044  | -.202  |
| CENTROID Y                    | -.313  | .001   | -.076  |
| POA TO CENTROID in.           | .353   | .044   | .216   |
| MIN RADIUS                    | .382   | .365   | .214   |
| MEAN RADIUS                   | 1.176  | .923   | .853   |
| MAX RADIUS                    | 3.022  | 1.411  | 1.285  |
| HORIZONTAL SPREAD             | 2.474  | 2.406  | 1.726  |
| VERTICAL SPREAD               | 4.343  | 2.339  | 2.339  |
| EXTREME SPREAD                | 4.493  | 2.540  | 2.375  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06523462

CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1 in = 4

2 in = 5

3 in = 8

HS = 3.559

VS = 2.402

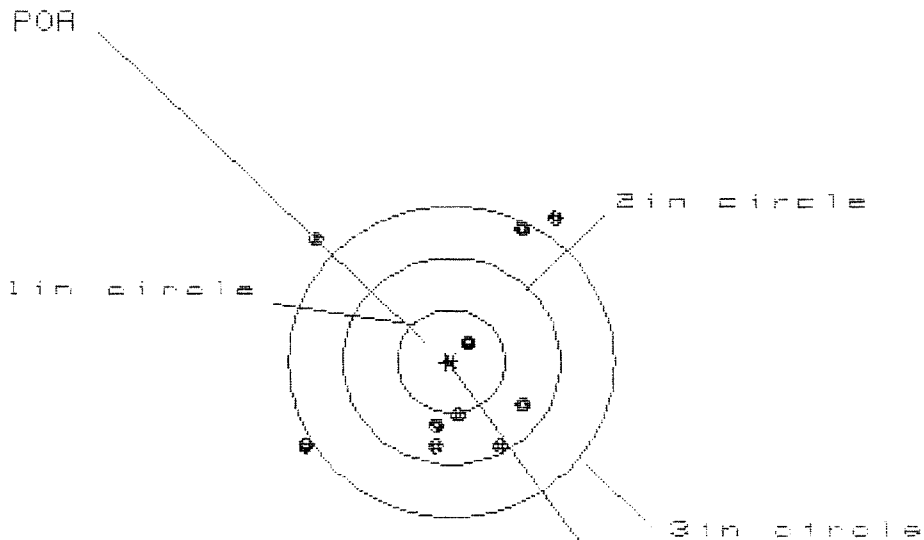
GS = 3.884

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.235  | .669   | .566   |
| MINIMUM X                   | : | -1.324 | -1.075 | -1.178 |
| MAXIMUM Y                   | : | 1.471  | 1.408  | 1.563  |
| MINIMUM Y                   | : | -.931  | -.994  | -.818  |
| CENTROID X                  | : | .389   | .140   | .243   |
| CENTROID Y                  | : | .334   | .397   | .221   |
| POB TO CENTROID in.         | : | .512   | .421   | .328   |
| MIN RADIUS                  | : | .095   | .223   | .236   |
| MEAN RADIUS                 | : | 1.044  | .926   | .780   |
| MAX RADIUS                  | : | 2.307  | 1.629  | 1.634  |
| HORIZONTAL SPREAD           | : | 3.559  | 1.744  | 1.744  |
| VERTICAL SPREAD             | : | 2.402  | 2.402  | 2.391  |
| EXTREME SPREAD              | : | 3.884  | 2.670  | 2.510  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8523462

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 2.244

VS= 2.247

GS= 3.151

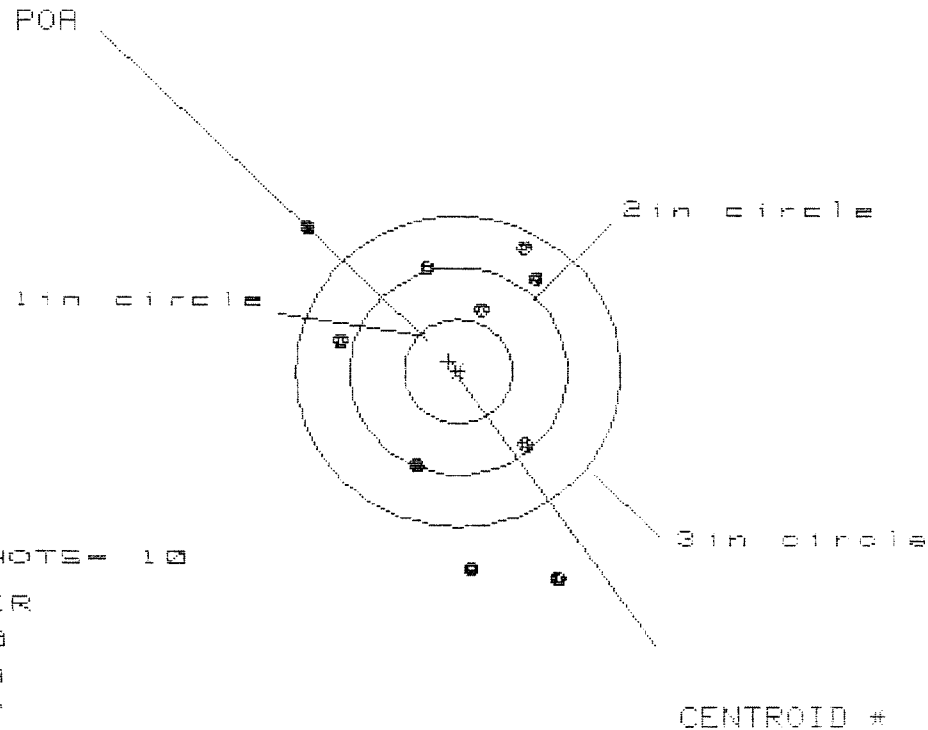
CENTROID \*

| PATTERN #                     | 3      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .919   | .782   | .652   |
| MINIMUM X                     | -1.325 | -1.462 | -1.364 |
| MAXIMUM Y                     | 1.409  | 1.539  | 1.594  |
| MINIMUM Y                     | -.838  | -.708  | -.516  |
| CENTROID X                    | .045   | .182   | .084   |
| CENTROID Y                    | .016   | -.114  | -.306  |
| POA TO CENTROID in.           | .048   | .214   | .317   |
| MIN RADIUS                    | .208   | .294   | .152   |
| MEAN RADIUS                   | 1.028  | .911   | .751   |
| MAX RADIUS                    | 1.696  | 1.726  | 1.694  |
| HORIZONTAL SPREAD             | 2.244  | 2.244  | 2.016  |
| VERTICAL SPREAD               | 2.247  | 2.247  | 2.110  |
| EXTREME SPREAD                | 3.151  | 3.151  | 2.839  |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06523462

# CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 3

3 in = 7

ME = 2.258

VS = 3.421

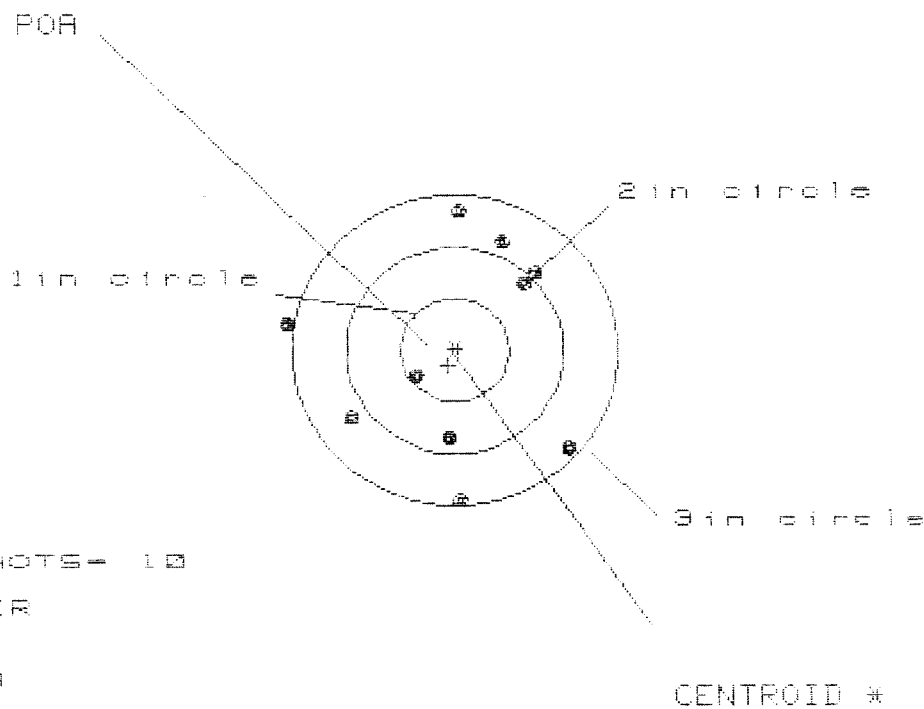
GS = 4.099

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .918   | .773   | .619   |
| MINIMUM X                   | : | -1.340 | -1.238 | -1.168 |
| MAXIMUM Y                   | : | 1.428  | 1.207  | 1.114  |
| MINIMUM Y                   | : | -1.993 | -2.089 | -1.938 |
| CENTROID X                  | : | .087   | -.015  | .140   |
| CENTROID Y                  | : | -.096  | .125   | -.026  |
| POA TO CENTROID in.         | : | .130   | .126   | .142   |
| MIN RADIUS                  | : | .681   | .546   | .597   |
| MEAN RADIUS                 | : | 1.322  | 1.188  | 1.121  |
| MAX RADIUS                  | : | 2.194  | 2.101  | 1.939  |
| HORIZONTAL SPREAD           | : | 2.258  | 2.011  | 1.787  |
| VERTICAL SPREAD             | : | 3.421  | 3.296  | 3.052  |
| EXTREME SPREAD              | : | 4.099  | 3.605  | 3.088  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

25 Oct 1938

FILE:/PATTERNING/CENTERFIRE\_PATT/08523452

# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 2.544

VS = 2.775

GS = 2.795

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .991   | .819   | .800   |
| MINIMUM X                   | : | -1.553 | -1.108 | -1.127 |
| MAXIMUM Y                   | : | 1.338  | 1.365  | 1.189  |
| MINIMUM Y                   | : | -1.437 | -1.410 | -1.059 |
| CENTROID X                  | : | .059   | .231   | .250   |
| CENTROID Y                  | : | .148   | .121   | .297   |
| POA TO CENTROID in.         | : | .159   | .261   | .388   |
| MIN RADIUS                  | : | .384   | .526   | .625   |
| MEAN RADIUS                 | : | 1.117  | 1.060  | .998   |
| MAX RADIUS                  | : | 1.573  | 1.417  | 1.364  |
| HORIZONTAL SPREAD           | : | 2.544  | 1.927  | 1.927  |
| VERTICAL SPREAD             | : | 2.775  | 2.775  | 2.248  |
| EXTREME SPREAD              | : | 2.795  | 2.775  | 2.449  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |