

C6348857

MODEL 760™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5715**

\* Includes 1 in chamber.

*Remington.*

*Remington*



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348857.\_\_\_0  
FILE DATE AND TIME: 04/15/2005 08:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |       |
|-------------------------------------------------------------|-------|
| The Average X Centroid of the Five Target Set:              | 0.052 |
| The Average Y Centroid of the Five Target Set:              | 0.032 |
| The Average Point of Impact of the Five Target Set:         | 0.061 |
| The Average Mean Radius of the Five Target Set:             | 1.061 |
| The Distance from POA to Centroid Target #1:                | 0.528 |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.837 |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.348 |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.684 |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.569 |

SERIAL NUMBER: C6348857. \_\_0

TARGET NUMBER: 1

FILE DATE: 04/15/2005

FILE TIME: 08:29

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

|    |       |       |
|----|-------|-------|
| 1: | 2.022 | 0.152 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 2: | 1.403 | 1.187 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 3: | 0.921 | 1.853 |
|----|-------|-------|

|    |        |       |
|----|--------|-------|
| 4: | -0.167 | 2.163 |
|----|--------|-------|

|    |       |       |
|----|-------|-------|
| 5: | 0.327 | 0.780 |
|----|-------|-------|

|    |       |        |
|----|-------|--------|
| 6: | 0.364 | -0.156 |
|----|-------|--------|

|    |       |        |
|----|-------|--------|
| 7: | 0.024 | -0.686 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 8: | -0.482 | -0.595 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 9: | -1.345 | -0.033 |
|----|--------|--------|

|     |        |        |
|-----|--------|--------|
| 10: | -0.464 | -0.075 |
|-----|--------|--------|

X CENTROID: 0.260

Y CENTROID: 0.459

POA TO CENTROID: 0.528

HORZ SPREAD: 3.367

VERT SPREAD: 2.849

GROUP SPREAD: 3.372

MIN RADIUS: 0.328

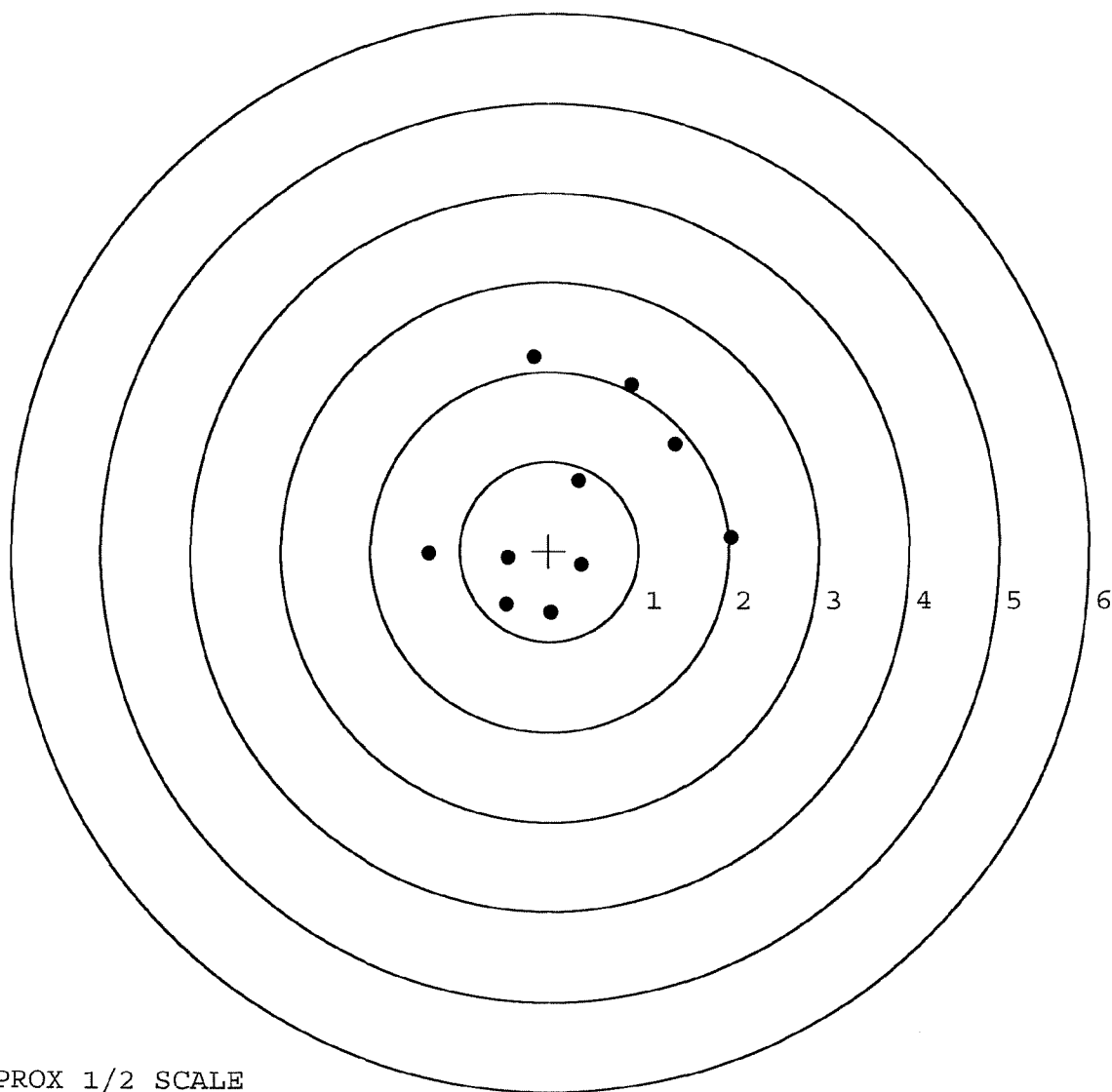
MAX RADIUS: 1.788

MEAN RADIUS: 1.243

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 3

# in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348857. \_\_0

TARGET NUMBER: 2

FILE DATE: 04/15/2005

FILE TIME: 08:29

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

|    |       |        |
|----|-------|--------|
| 1: | 1.300 | -1.311 |
|----|-------|--------|

|    |       |        |
|----|-------|--------|
| 2: | 0.765 | -0.384 |
|----|-------|--------|

|    |       |        |
|----|-------|--------|
| 3: | 0.290 | -0.381 |
|----|-------|--------|

|    |       |        |
|----|-------|--------|
| 4: | 0.142 | -0.861 |
|----|-------|--------|

|    |        |        |
|----|--------|--------|
| 5: | -0.232 | -0.837 |
|----|--------|--------|

|    |        |       |
|----|--------|-------|
| 6: | -0.042 | 0.154 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 7: | -0.233 | 0.256 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 8: | -0.790 | 0.648 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 9: | -0.385 | 1.774 |
|----|--------|-------|

|     |        |        |
|-----|--------|--------|
| 10: | -0.490 | -2.523 |
|-----|--------|--------|

X CENTROID: 0.032

Y CENTROID: -0.347

POA TO CENTROID: 0.348

HORZ SPREAD: 2.090

VERT SPREAD: 4.297

GROUP SPREAD: 4.298

MIN RADIUS: 0.260

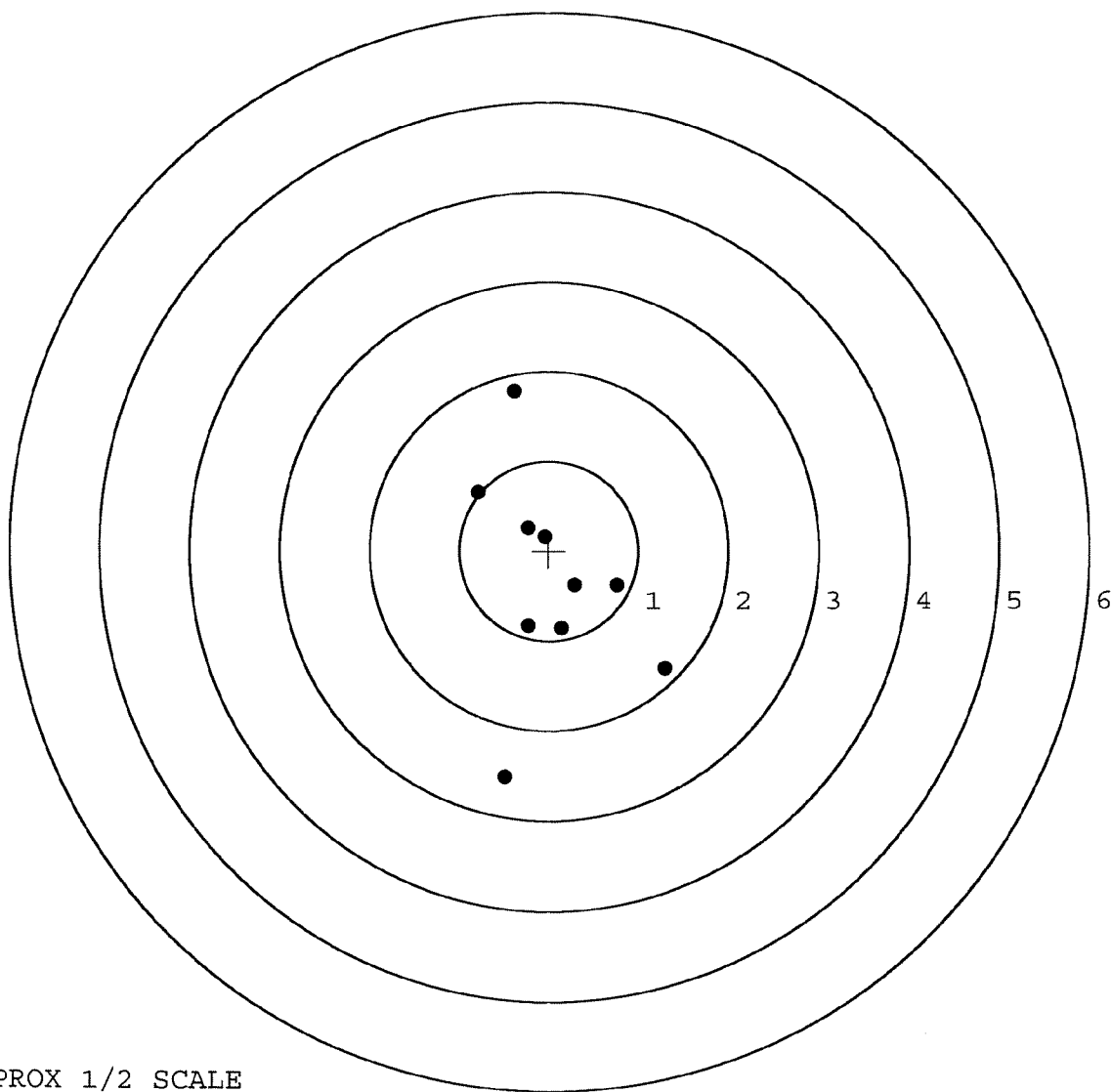
MAX RADIUS: 2.238

MEAN RADIUS: 1.052

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 6

# in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348857. \_\_0

TARGET NUMBER: 3

FILE DATE: 04/15/2005

FILE TIME: 08:29

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.694  | 0.178  |
| 2:     | 0.559  | -0.783 |
| 3:     | 0.562  | -1.443 |
| 4:     | -1.058 | -1.077 |
| 5:     | -1.351 | 0.125  |
| 6:     | 0.077  | 0.196  |
| 7:     | 0.210  | 0.518  |
| 8:     | 0.303  | 1.115  |
| 9:     | -0.387 | 2.149  |
| 10:    | -0.074 | 0.811  |

X CENTROID: 0.053

Y CENTROID: 0.179

POA TO CENTROID: 0.187

HORZ SPREAD: 3.045

VERT SPREAD: 3.592

GROUP SPREAD: 3.715

MIN RADIUS: 0.029

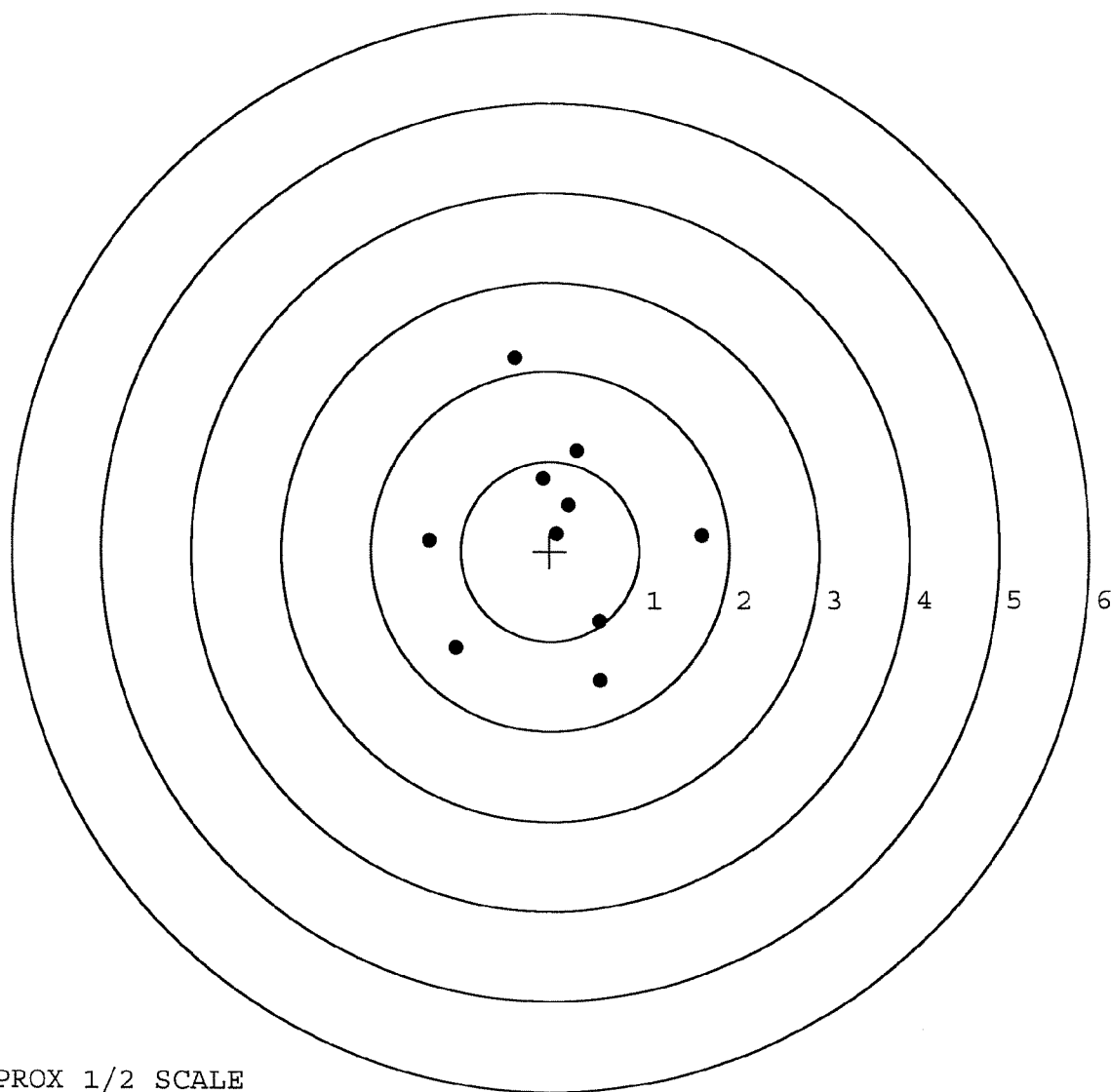
MAX RADIUS: 2.019

MEAN RADIUS: 1.154

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 4

# in 3 IN DIAMETER: 6

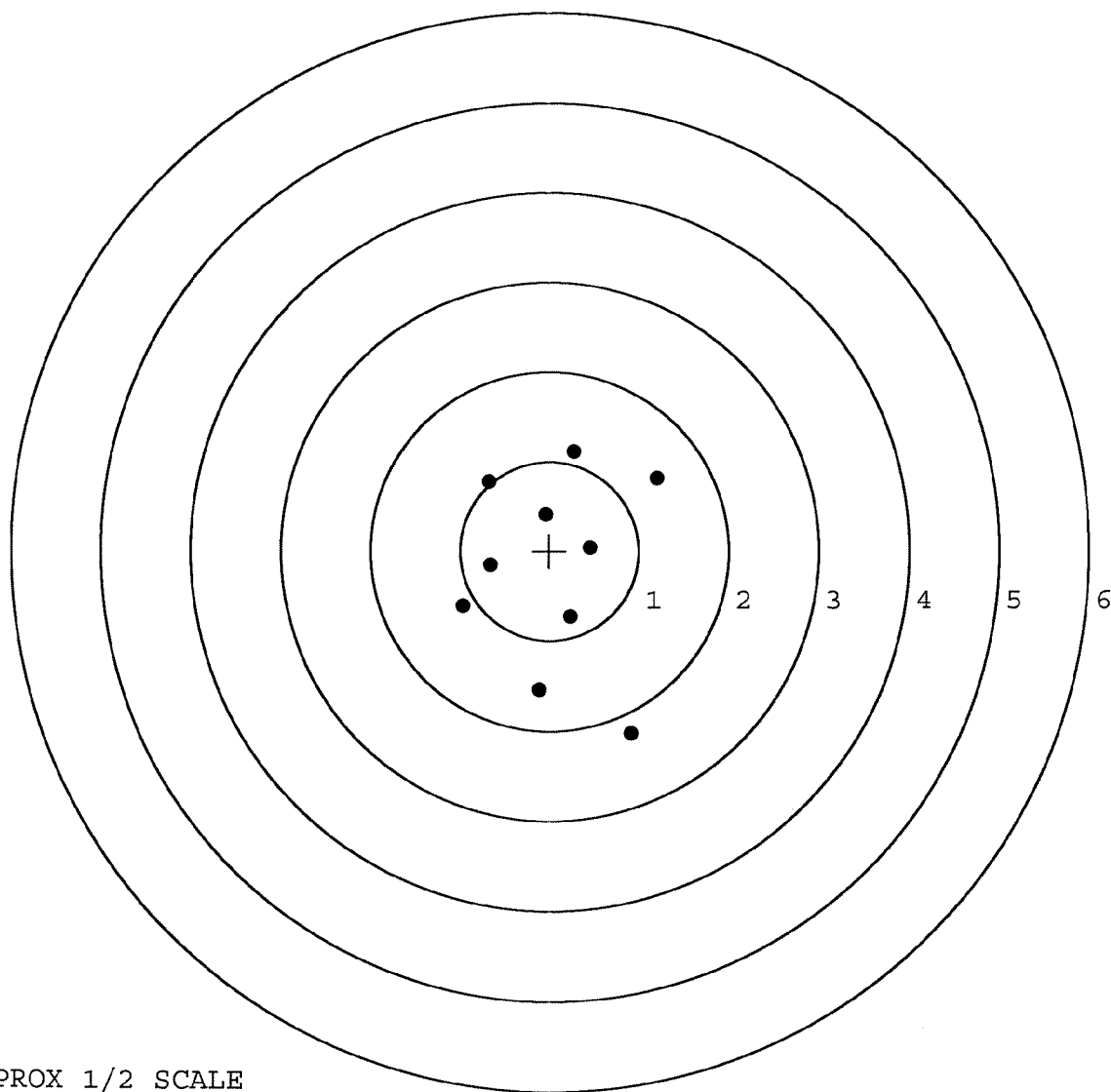


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348857.\_\_\_0  
TARGET NUMBER: 4  
FILE DATE: 04/15/2005  
FILE TIME: 08:29

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.206  | 0.815  |
| 2:     | 0.277  | 1.108  |
| 3:     | 0.456  | 0.037  |
| 4:     | -0.664 | -0.163 |
| 5:     | -0.969 | -0.623 |
| 6:     | 0.238  | -0.740 |
| 7:     | -0.677 | 0.778  |
| 8:     | -0.045 | 0.408  |
| 9:     | 0.914  | -2.031 |
| 10:    | -0.119 | -1.548 |

X CENTROID: 0.062  
Y CENTROID: -0.196  
POA TO CENTROID: 0.205  
HORZ SPREAD: 2.175  
VERT SPREAD: 3.139  
GROUP SPREAD: 3.228  
MIN RADIUS: 0.458  
MAX RADIUS: 2.023  
MEAN RADIUS: 1.094  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 4  
# in 3 IN DIAMETER: 8

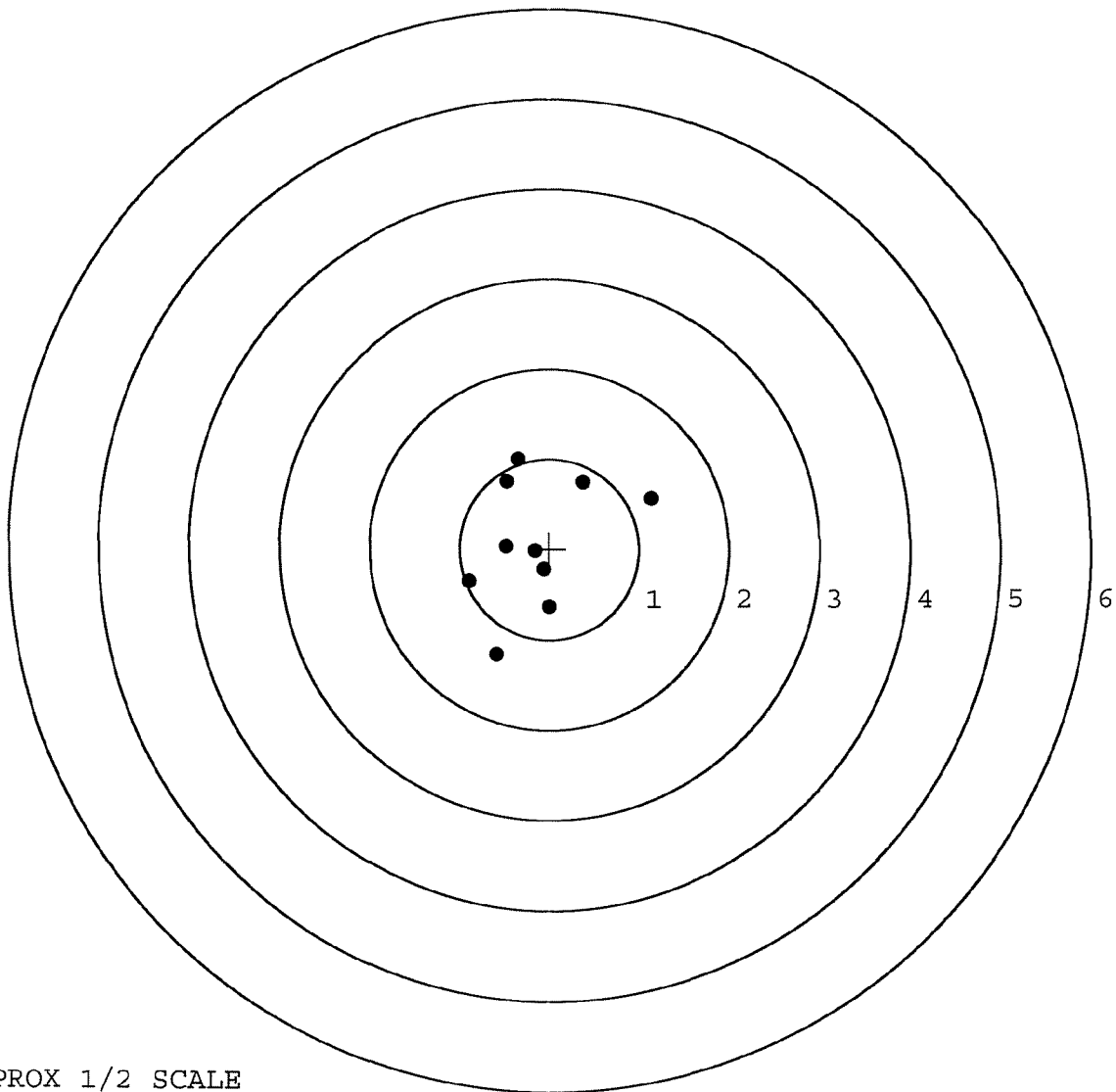


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348857. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 04/15/2005  
FILE TIME: 08:29

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.141  | 0.562  |
| 2:     | 0.382  | 0.743  |
| 3:     | -0.351 | 0.998  |
| 4:     | -0.476 | 0.749  |
| 5:     | -0.161 | -0.025 |
| 6:     | -0.063 | -0.231 |
| 7:     | -0.004 | -0.646 |
| 8:     | -0.592 | -1.170 |
| 9:     | -0.895 | -0.364 |
| 10:    | -0.483 | 0.033  |

X CENTROID: -0.150  
Y CENTROID: 0.065  
POA TO CENTROID: 0.164  
HORZ SPREAD: 2.036  
VERT SPREAD: 2.168  
GROUP SPREAD: 2.450  
MIN RADIUS: 0.091  
MAX RADIUS: 1.384  
MEAN RADIUS: 0.759  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. \_\_\_\_\_

DATE 3-11-05

TESTER TRW

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.79                | 2.65                        |                                   | 2.59  |          |
| PULL #2 | 2.72                | 2.44                        |                                   | 2.33  |          |
| PULL #3 | 2.49                | 2.30                        |                                   | 2.40  |          |
| PULL #4 | 2.62                | 2.59                        |                                   | 2.62  |          |
| PULL #5 | 2.56                | 2.65                        |                                   | 2.37  |          |
| TOTAL   | 13.18               | 12.63                       |                                   | 12.31 |          |
| AVERAGE | 2.63                | 2.52                        |                                   | 2.46  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.32                | 3.58                        |  |          |
| PULL #2 | 3.43                | 3.45                        |  |          |
| PULL #3 | 3.39                | 3.27                        |  |          |
| PULL #4 | 3.31                | 3.13                        |  |          |
| PULL #5 | 3.24                | 3.41                        |  |          |
| TOTAL   | 16.69               | 16.84                       |  |          |
| AVERAGE | 3.33                | 3.36                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.32                | 4.02                        |                                   | 4.18                                    |
| PULL #2 | 4.19                | 4.27                        |                                   | 4.27                                    |
| PULL #3 | 4.09                | 4.08                        |                                   | 4.20                                    |
| PULL #4 | 4.33                | 4.02                        |                                   | 4.18                                    |
| PULL #5 | 4.09                | 4.21                        |                                   | 4.21                                    |
| TOTAL   | 21.02               | 20.60                       |                                   | 21.04                                   |
| AVERAGE | 4.20                | 4.12                        |                                   | 4.20                                    |

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

|                     |                    |           |         |
|---------------------|--------------------|-----------|---------|
| R & E NUMBER        | 92550              |           |         |
| SERIAL NUMBER       | C6348857           |           |         |
| LOG-IN DATE         | 2-7-05             |           |         |
| INSPECT AND VERIFY: |                    |           |         |
| OPERATION #         | OPERATION NAME     | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 3-14-05   | RTZ     |
| 560 A               | RE-BARREL          | 3-17-05   | RTZ     |
| B                   | DRILL AND TAP      | 3-21-05   | TRW     |
| 575                 | ASSEMBLE           | 3-18-05   | RTZ     |
| 600                 | PROOF              | 3-21-05   | AC      |
| 605                 | CHECK HEADSPACE    | 3-21-05   | AC      |
| 610                 | DIS-ASSEMBLE GUN   | 3-21-05   | RTZ     |
| 612                 | MAGNAFLUX          |           |         |
| 615                 | ROLLMARK CALIBER   | 3-23-05   | CW      |
| 618                 | ROTO-BLAST         | 3/29      | JWS     |
| 620                 | APPLY COATINGS     | 4/5       | HP      |
| 625 A               | FINAL ASSEMBLY     | 4-14-05   | RTZ     |
| B                   | TRIGGER PULL TEST  | 4-22-05   | TRW     |
| C                   | SAFETY "ON" FORCE  | 4-22-05   | AC      |
| D                   | SAFETY "OFF" FORCE | 4-22-05   | AC      |
| E                   | FIRING PIN INDENT  | 4-22-05   | AC      |
| 640                 | TARGET             | 4-15-05   | TRW     |
| 655                 | FINAL INSPECT      | 4-22-05   | AC      |
| 660                 | PACK               | 4-23-05   | DA      |
|                     |                    | SHIP DATE |         |
| QAR INSPECTION DATE |                    |           |         |




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

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

MODEL 700™ H24

SERIAL NO.  
C6348857

ORDER NO.  
5716

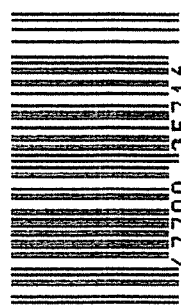
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

Q1



5716 C6348857

LPC



0 47700 25716 7

PC - 20  
Replaced

M-24

Serial #

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348857

| OP. #     | OP. NAME                                                 | READINGS | DATE      | INIT |
|-----------|----------------------------------------------------------|----------|-----------|------|
| 575 & 580 | Assemble Action and Stock                                | 9 26     | 89        | Rw   |
| 600       | Proof                                                    | 9 26     | 89        | Rw   |
| 607       | Check Headspace                                          | 9 26     | 89        | Rw   |
| 610       | Dis-assemble Gun                                         | 9 26     | 89        | Rw   |
| 612       | Magnaflux Barrel Action                                  | 9/29/89  | 89        | KCR  |
|           | Magnaflux Bolt                                           | 9/29/89  | 89        | KCR  |
| 615       | Rollmark Caliber                                         | 9/29/89  | 89        | JS   |
| 7         | Drill and Tap Sight Holes                                | 9 29     | 89        | JS   |
| 618       | Polish Barrel AB                                         | 9 29     | 89        | BT   |
| 620       | Apply Coatings (Barrel Action)                           |          | 10/11/89  | TSA  |
|           | Apply Coating (Bolt)                                     |          |           |      |
| 625       | Final Assembly                                           |          |           |      |
|           | A) Clean inside of Bolt Assembly                         |          | 10/14/89  | Rw   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 10/14/89  | Rw   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 10/14/89  | Rw   |
|           | D) Oil Firing Pin Ass'y                                  |          | 10/14/89  | Rw   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 24 Oct 89 | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |                  | DATE             | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------------------|------------------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 4    |      |                  | 10/24/89         | JS   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |                  | 10/24/89         | JS   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |                  | 10/24/89         | JS   |
|              | I) Firing Pin Indent                                        | .0225    | .022 | .022 |      |                  | 10/24/89         | JS   |
|              | J) Assemble Stock                                           |          |      |      |      |                  | 10/25/89         | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |                  | 10/26/89         | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |                  | 12/1/89          | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |                  | 12/1/89          | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |                  | 12/1/89          | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |                  | 10/25/89         | JS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |                  | 10/25/89         | JS   |
| 640          | Gallery Target & Test                                       | Reshoot  |      |      |      |                  | 2-27-90 10-25-89 | AC   |
|              | A) Time                                                     |          |      |      |      | 2-27-90 10-25-89 | AC               |      |
|              | B) Malfunctions                                             |          |      |      |      | 2-27-90 10-25-89 | AC               |      |
|              | C) Pierced Primers                                          |          |      |      |      | 2-27-90 10-25-89 | AC               |      |
|              | D) Optical Clarity of Scope                                 |          |      |      |      | 2-27-90 10-25-89 | AC               |      |
| 645          | Inspect for Live Ammo                                       |          |      |      |      | 2-27-90 10-25-89 | AC               |      |
| 655          | Final Inspection                                            |          |      |      |      |                  |                  |      |
|              | A) Headspace                                                |          |      |      |      |                  | 10/26/89         | JS   |
|              | B) Trigger Pull                                             | 1.43     | 1.44 | 1.59 | 2.27 | 2.47             | 28 Oct 89        | JS   |
|              | C) Function                                                 | 2.22     | 2.38 | 2.25 | 2.17 | 2.38             | 27 Oct 89        | JS   |
| 660          | Pack                                                        |          |      |      |      |                  | 10/26/89         | JS   |

SWS TRIGGER PULL TEST

TIME 7TAG

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348857

DATE 24 Oct 89

TESTER JD

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 245              | 245                      | 266                            | 243  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 252              | 224                      | 282                            | 244  |                                                                        |
| PULL #3 | 235              | 246                      | 267                            | 259  |                                                                        |
| PULL #4 | 240              | 253                      | 267                            | 227  |                                                                        |
| PULL #5 | 249              | 241                      | 271                            | 247  |                                                                        |
| TOTAL   | 1221             | 1209                     | 1353                           | 1220 |                                                                        |
| AVG.    | 244.2            | 241.8                    | 270.6                          | 244  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 320              | 317                      |  |          |
| PULL #2 | 313              | 341                      |  |          |
| PULL #3 | 329              | 342                      |  |          |
| PULL #4 | 331              | 343                      |  |          |
| PULL #5 | 321              | 338                      |  |          |
| TOTAL   | 1614             | 1681                     |  |          |
| AVG.    | 322.8            | 336.2                    |  |          |

|         | 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 | 421              | 411                      |                                | 423                                  |
| PULL #2 | 423              | 423                      |                                | 422                                  |
| PULL #3 | 434              | 427                      |                                | 394                                  |
| PULL #4 | 420              | 439                      |                                | 407                                  |
| PULL #5 | 424              | 438                      |                                | 387                                  |
| TOTAL   | 2122             | 2138                     |                                | 2033                                 |
| AVG.    | 424.4            | 427.6                    |                                | 406.6                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6348857  
27 Feb 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .234079 |
| 1 TO | 2 | .11625  |
| 1 TO | 3 | .356387 |
| 1 TO | 4 | .309588 |
| 1 TO | 5 | .562539 |



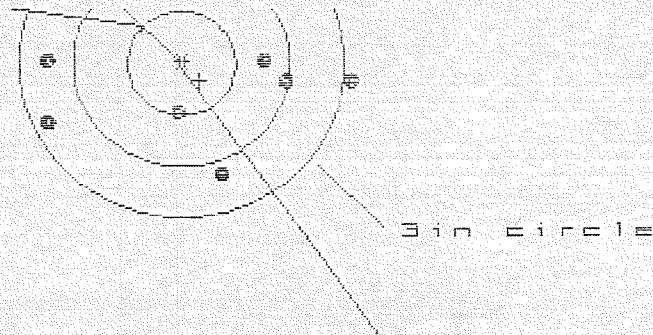
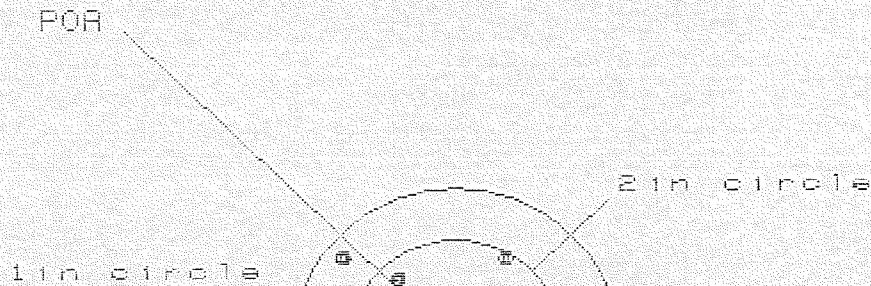
(----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0216  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0292  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0363208  
THE BMR FOR THIS RIFLE IS: .9688

24 Feb 1995

FILE:/PATTERNING/CENTERFIRE\_PATT/C8346857

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 4

3 in = 9

HE= 2.861

VS= 1.905

CD= 2.886

CENTROID #

|                     |   |        |        |        |
|---------------------|---|--------|--------|--------|
| PATTERN #           | : | 1      |        |        |
| SHOTS (BEST OF)     | : | 10     | 9      | 8      |
| MAXIMUM X           | : | 1.602  | 1.187  | 1.076  |
| MINIMUM X           | : | -1.259 | -1.081 | -1.192 |
| MAXIMUM Y           | : | .876   | .860   | .891   |
| MINIMUM Y           | : | -1.029 | -1.045 | -1.938 |
| CENTROID X          | : | -.163  | -.341  | -.230  |
| CENTROID Y          | : | .168   | .184   | .077   |
| POR TO CENTROID in. | : | .234   | .387   | .242   |
| MIN RADIUS          | : | .436   | .454   | .337   |
| MEAN RADIUS         | : | 1.060  | .994   | .946   |
| MAX RADIUS          | : | 1.608  | 1.234  | 1.269  |
| HORIZONTAL SPREAD   | : | 2.861  | 2.268  | 2.268  |
| VERTICAL SPREAD     | : | 1.905  | 1.905  | 1.829  |
| EXTREME SPREAD      | : | 2.886  | 2.363  | 2.297  |

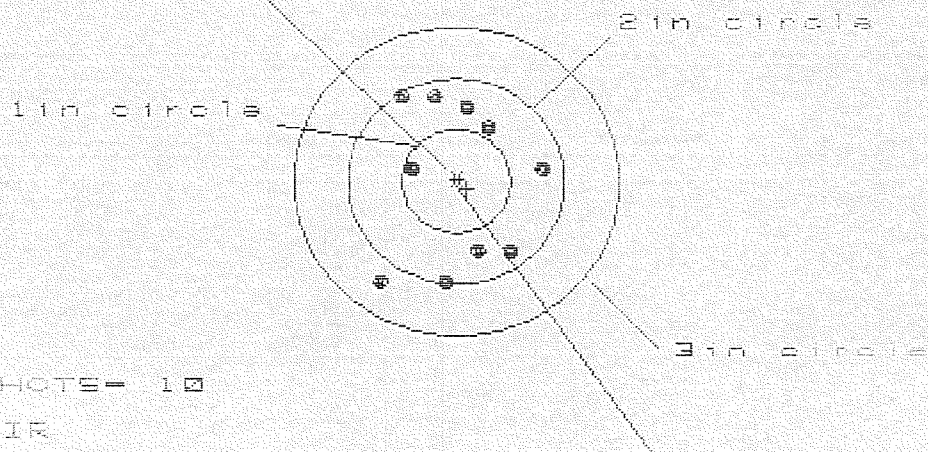
|                 |             |   |   |
|-----------------|-------------|---|---|
| NUMBER IN ONE   | INCH CIRCLE | = | 1 |
| NUMBER IN TWO   | INCH CIRCLE | = | 4 |
| NUMBER IN THREE | INCH CIRCLE | = | 9 |

27 Feb 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/C0340857

# CENTERFIRE PATTERNS # 2

FOR



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 9

3in = 10

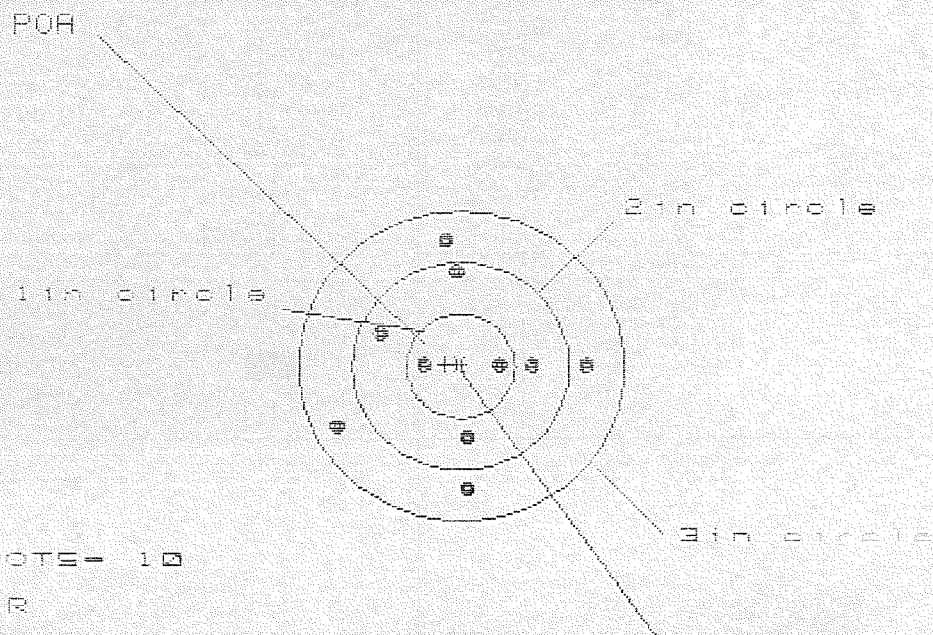
HS= 1.533  
 VS= 1.862  
 GS= 1.887

|                             |   |       |        |       |
|-----------------------------|---|-------|--------|-------|
| PATTERN #                   | : | 2     |        |       |
| SHOTS (BEST OF)             | : | 10    | 9      | 8     |
| MAXIMUM X                   | : | .840  | .763   | .744  |
| MINIMUM X                   | : | -.693 | -.564  | -.583 |
| MAXIMUM Y                   | : | .870  | .765   | .628  |
| MINIMUM Y                   | : | -.992 | -1.097 | -.924 |
| CENTROID X                  | : | -.096 | -.019  | -.000 |
| CENTROID Y                  | : | .073  | .178   | .315  |
| POB TO CENTROID in.         | : | .120  | .179   | .315  |
| MIN RADIUS                  | : | .451  | .502   | .389  |
| MEAN RADIUS                 | : | .824  | .769   | .701  |
| MAX RADIUS                  | : | 1.175 | 1.107  | .996  |
| HORIZONTAL SPREAD           | : | 1.533 | 1.327  | 1.327 |
| VERTICAL SPREAD             | : | 1.862 | 1.862  | 1.552 |
| EXTREME SPREAD              | : | 1.887 | 1.870  | 1.789 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9      |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10     |       |

27 Feb 1990

FILE: /PATTERNING/CENTERFIRE\_PATT/05340857

# CENTERFIRE PATTERNS # 3



\* OF SHOTS= 10

\* IN CIR

1 in = 2

SHOTS = 5  
 SHOTS = 10  
 HS = 2.305  
 VS = 2.379  
 ES = 2.388

CENTROID \*

| PATTERN #                     | 3      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.169  | 1.043  | 1.006  |
| MINIMUM X                     | -1.135 | -0.840 | -0.877 |
| MAXIMUM Y                     | 1.212  | 1.147  | .995   |
| MINIMUM Y                     | -1.167 | -1.232 | -1.088 |
| CENTROID X                    | .141   | .268   | .305   |
| CENTROID Y                    | -.018  | .047   | -.097  |
| POA TO CENTROID in.           | .143   | .272   | .320   |
| MIN RADIUS                    | .331   | .264   | .221   |
| MEAN RADIUS                   | .860   | .803   | .739   |
| MAX RADIUS                    | 1.276  | 1.235  | 1.096  |
| HORIZONTAL SPREAD             | 2.305  | 1.883  | 1.883  |
| VERTICAL SPREAD               | 2.379  | 2.379  | 2.083  |
| EXTREME SPREAD                | 2.388  | 2.388  | 2.083  |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |        |

27 Feb 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/0634B0057

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

# OF SHOTS= 10

# IN CIR

1in = 1

2in = 3

3in = 10

HS= 2.550

VS= 2.386

GS= 2.557

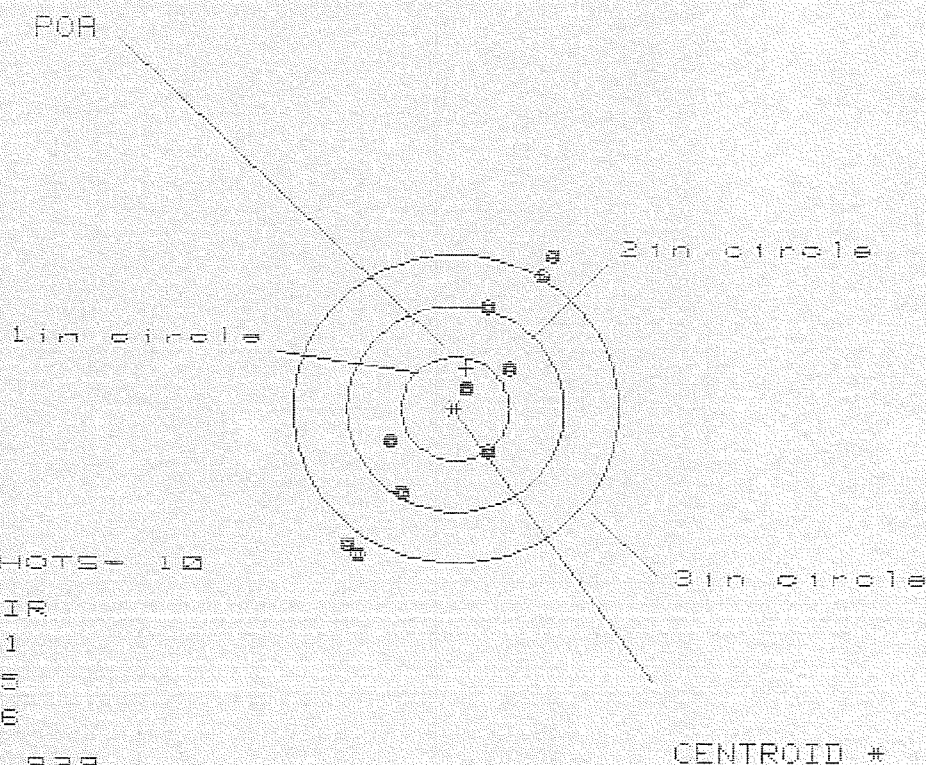
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.129  | 1.138  | .962   |
| MINIMUM X                   | : | -1.421 | -1.412 | -1.400 |
| MAXIMUM Y                   | : | 1.433  | 1.092  | 1.131  |
| MINIMUM Y                   | : | -.953  | -.794  | -.755  |
| CENTROID X                  | : | .110   | .101   | .277   |
| CENTROID Y                  | : | .022   | -.137  | -.176  |
| POA TO CENTROID in.         | : | .112   | .170   | .328   |
| MIN RADIUS                  | : | .355   | .395   | .377   |
| MEAN RADIUS                 | : | 1.031  | .974   | .882   |
| MAX RADIUS                  | : | 1.435  | 1.445  | 1.430  |
| HORIZONTAL SPREAD           | : | 2.550  | 2.550  | 2.362  |
| VERTICAL SPREAD             | : | 2.386  | 1.886  | 1.886  |
| EXTREME SPREAD              | : | 2.557  | 2.557  | 2.404  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08348857

# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 5

3in = 6

HS = 1.939

VS = 2.946

GS = 3.478

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 5      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .943   | .940   | .840   |
| MINIMUM X                   | : | -.996  | -.891  | -.991  |
| MAXIMUM Y                   | : | 1.527  | 1.417  | 1.261  |
| MINIMUM Y                   | : | -1.419 | -1.250 | -1.249 |
| CENTROID X                  | : | -.100  | -.205  | -.105  |
| CENTROID Y                  | : | -.391  | -.560  | -.404  |
| POB TO CENTROID in.         | : | .403   | .597   | .418   |
| MIN RADIUS                  | : | .210   | .410   | .224   |
| MEAN RADIUS                 | : | 1.069  | .985   | .903   |
| MAX RADIUS                  | : | 1.794  | 1.701  | 1.594  |
| HORIZONTAL SPREAD           | : | 1.939  | 1.831  | 1.831  |
| VERTICAL SPREAD             | : | 2.946  | 2.667  | 2.510  |
| EXTREME SPREAD              | : | 3.478  | 3.184  | 3.107  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |