

C6349128

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

*Spreen*®  
1111

Serial Number: C6349128

Model: 700



RE00074624

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349128.\_\_\_0  
FILE DATE AND TIME: 01/28/2004 10:38

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.173 |
| The Average Y Centroid of the Five Target Set:              | 0.080  |
| The Average Point of Impact of the Five Target Set:         | 0.190  |
| The Average Mean Radius of the Five Target Set:             | 0.732  |
| The Distance from POA to Centroid Target #1:                | 0.186  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.016  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.441  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.317  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.544  |

SERIAL NUMBER: C6349128. 0

TARGET NUMBER: 1

FILE DATE: 01/28/2004

FILE TIME: 10:38

X CENTROID: 0.055

Y CENTROID: 0.177

POA TO CENTROID: 0.186

HORZ SPREAD: 1.172

VERT SPREAD: 1.763

GROUP SPREAD: 2.107

MIN RADIUS: 0.131

MAX RADIUS: 1.369

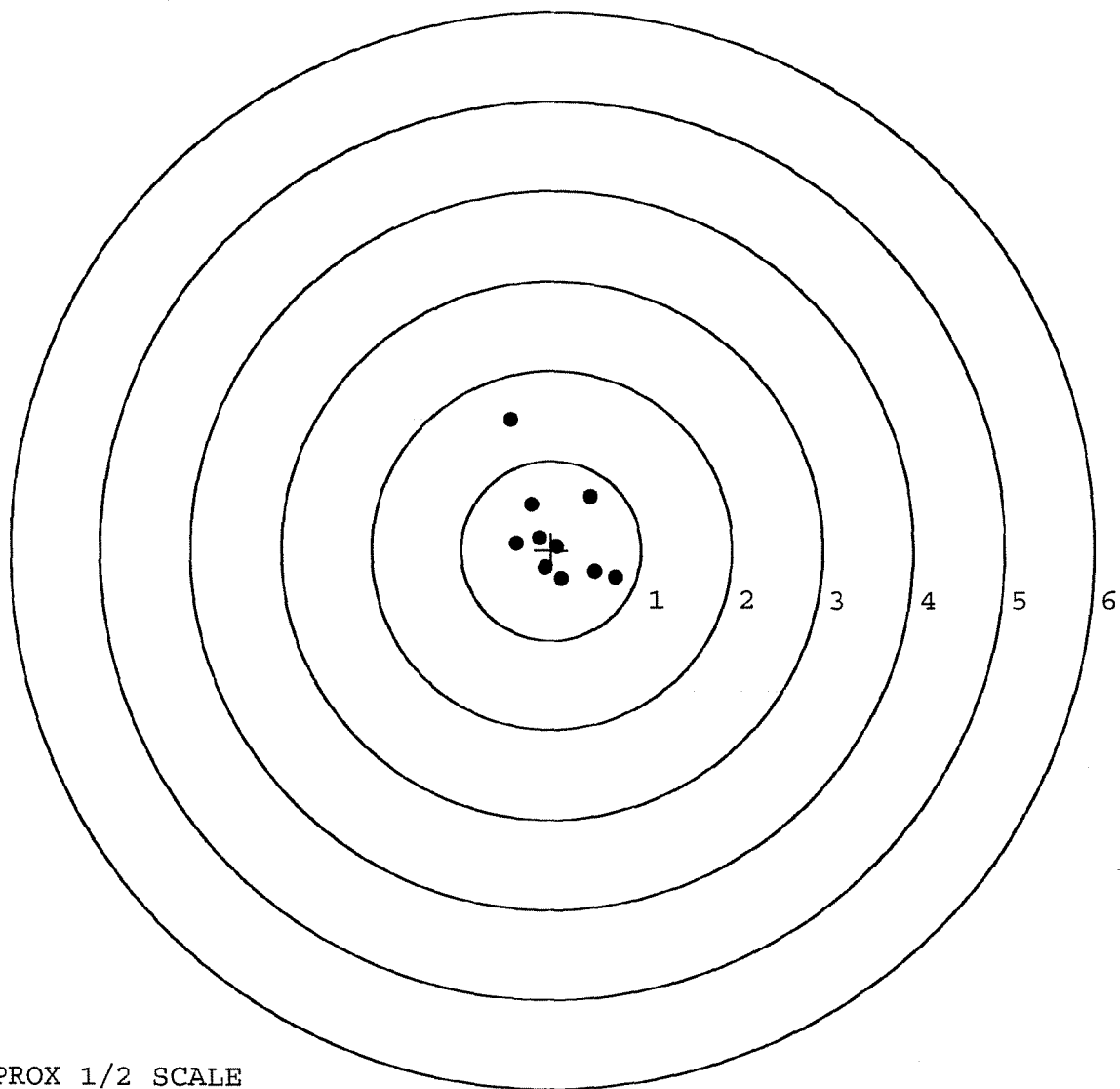
MEAN RADIUS: 0.545

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.457 | 1.447  |
| 2:     | 0.435  | 0.598  |
| 3:     | 0.715  | -0.304 |
| 4:     | 0.488  | -0.235 |
| 5:     | 0.118  | -0.316 |
| 6:     | -0.222 | 0.513  |
| 7:     | 0.065  | 0.046  |
| 8:     | -0.392 | 0.080  |
| 9:     | -0.068 | -0.195 |
| 10:    | -0.127 | 0.137  |

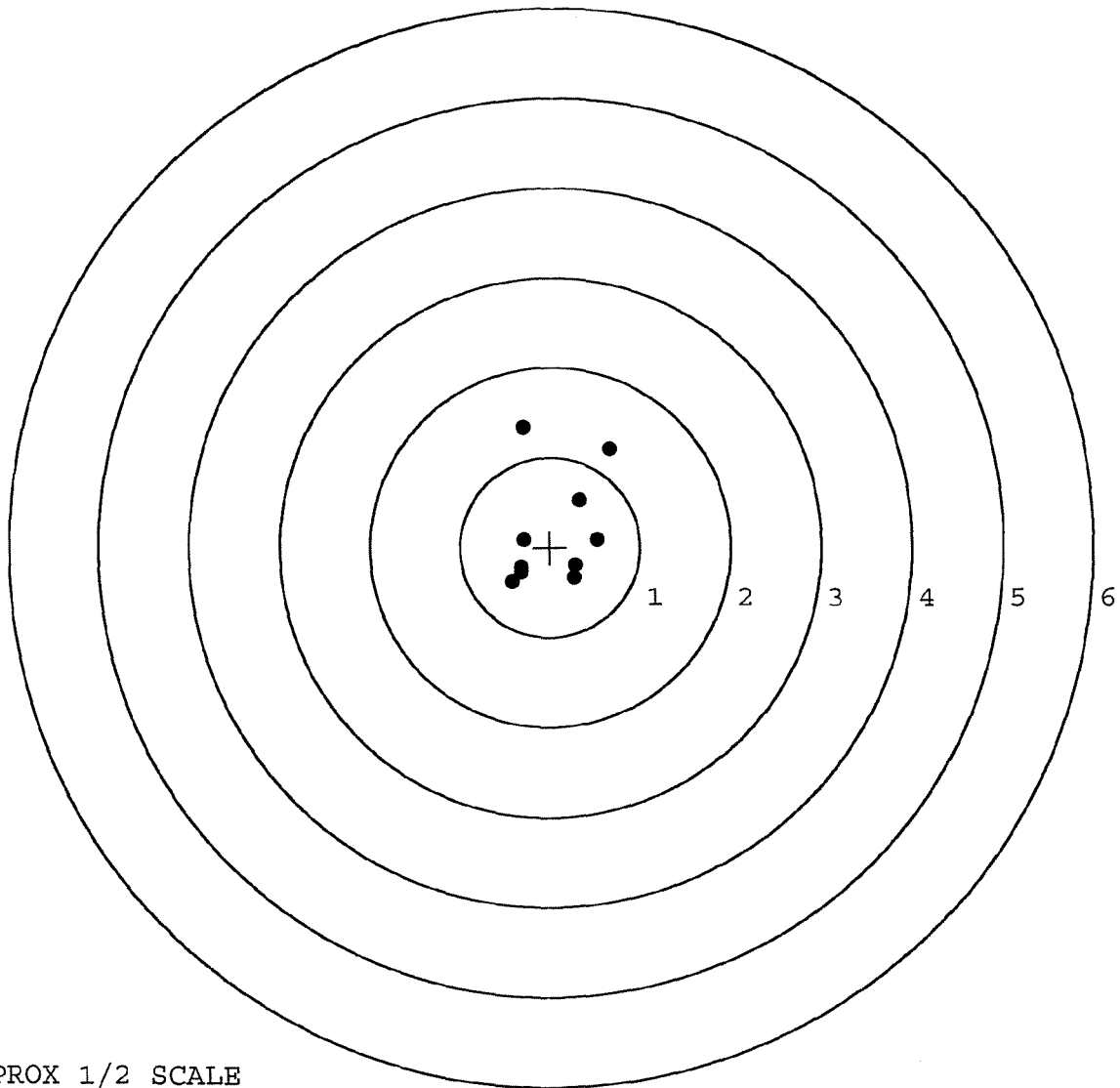


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349128.\_\_\_0  
TARGET NUMBER: 2  
FILE DATE: 01/28/2004  
FILE TIME: 10:38

X CENTROID: 0.043  
Y CENTROID: 0.167  
POA TO CENTROID: 0.173  
HORZ SPREAD: 1.079  
VERT SPREAD: 1.718  
GROUP SPREAD: 1.771  
MIN RADIUS: 0.341  
MAX RADIUS: 1.215  
MEAN RADIUS: 0.645  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 8  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.662  | 1.092  |
| 2:     | -0.308 | 1.331  |
| 3:     | 0.329  | 0.522  |
| 4:     | 0.531  | 0.091  |
| 5:     | 0.270  | -0.343 |
| 6:     | -0.417 | -0.387 |
| 7:     | -0.317 | -0.285 |
| 8:     | -0.287 | 0.082  |
| 9:     | 0.281  | -0.203 |
| 10:    | -0.314 | -0.227 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349128. 0

TARGET NUMBER: 3

FILE DATE: 01/28/2004

FILE TIME: 10:38

X CENTROID: -0.385

Y CENTROID: 0.183

POA TO CENTROID: 0.427

HORZ SPREAD: 1.393

VERT SPREAD: 3.126

GROUP SPREAD: 3.152

MIN RADIUS: 0.095

MAX RADIUS: 1.871

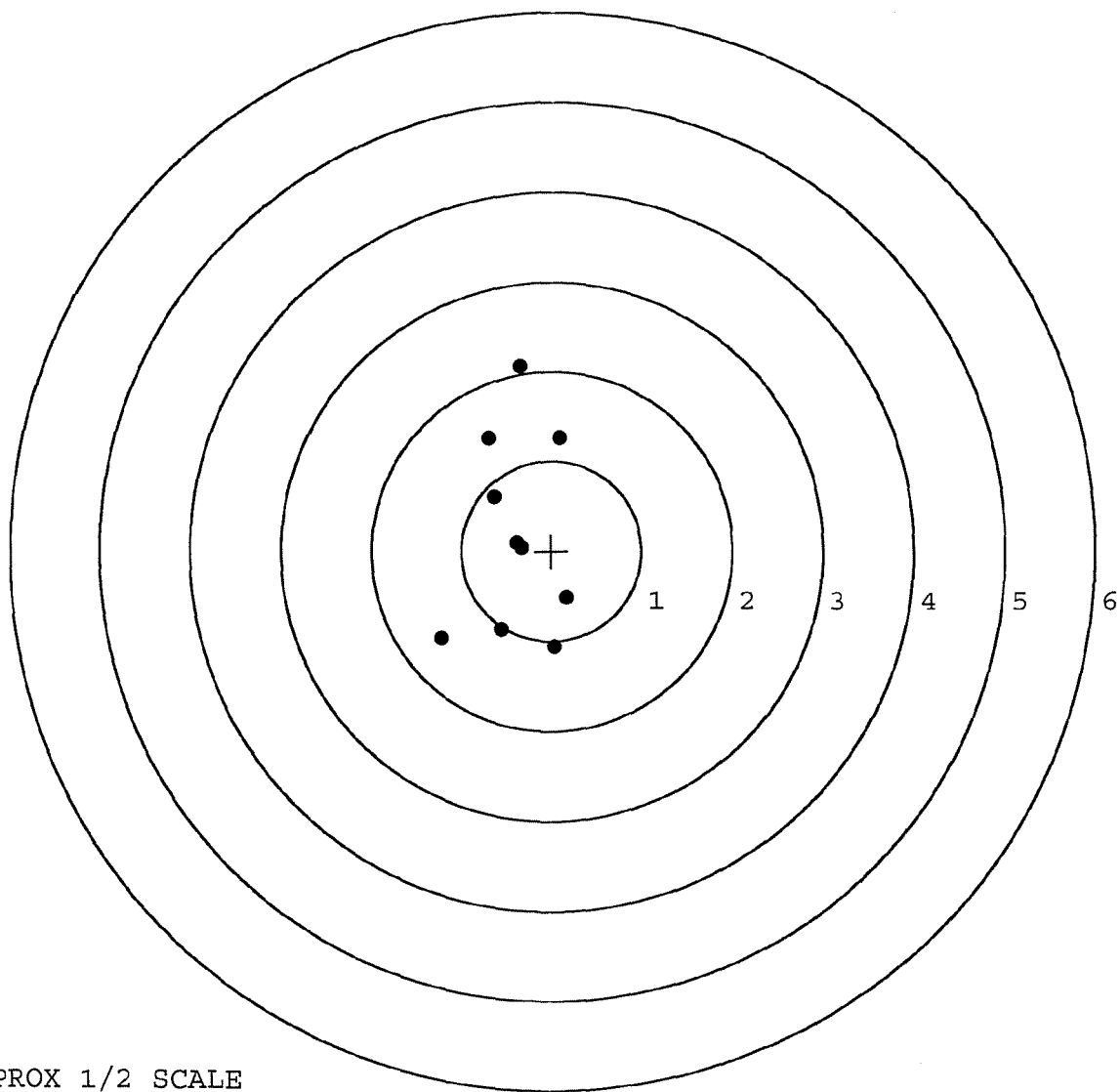
MEAN RADIUS: 0.963

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 4

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.176  | -0.526 |
| 2:     | 0.042  | -1.072 |
| 3:     | -0.548 | -0.877 |
| 4:     | -1.217 | -0.978 |
| 5:     | -0.383 | 0.088  |
| 6:     | -0.634 | 0.602  |
| 7:     | 0.098  | 1.254  |
| 8:     | -0.700 | 1.250  |
| 9:     | -0.357 | 2.054  |
| 10:    | -0.332 | 0.034  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349128. \_\_0

TARGET NUMBER: 4

FILE DATE: 01/28/2004

FILE TIME: 10:38

X CENTROID: -0.141

Y CENTROID: -0.072

POA TO CENTROID: 0.158

HORZ SPREAD: 2.267

VERT SPREAD: 2.000

GROUP SPREAD: 3.011

MIN RADIUS: 0.119

MAX RADIUS: 1.703

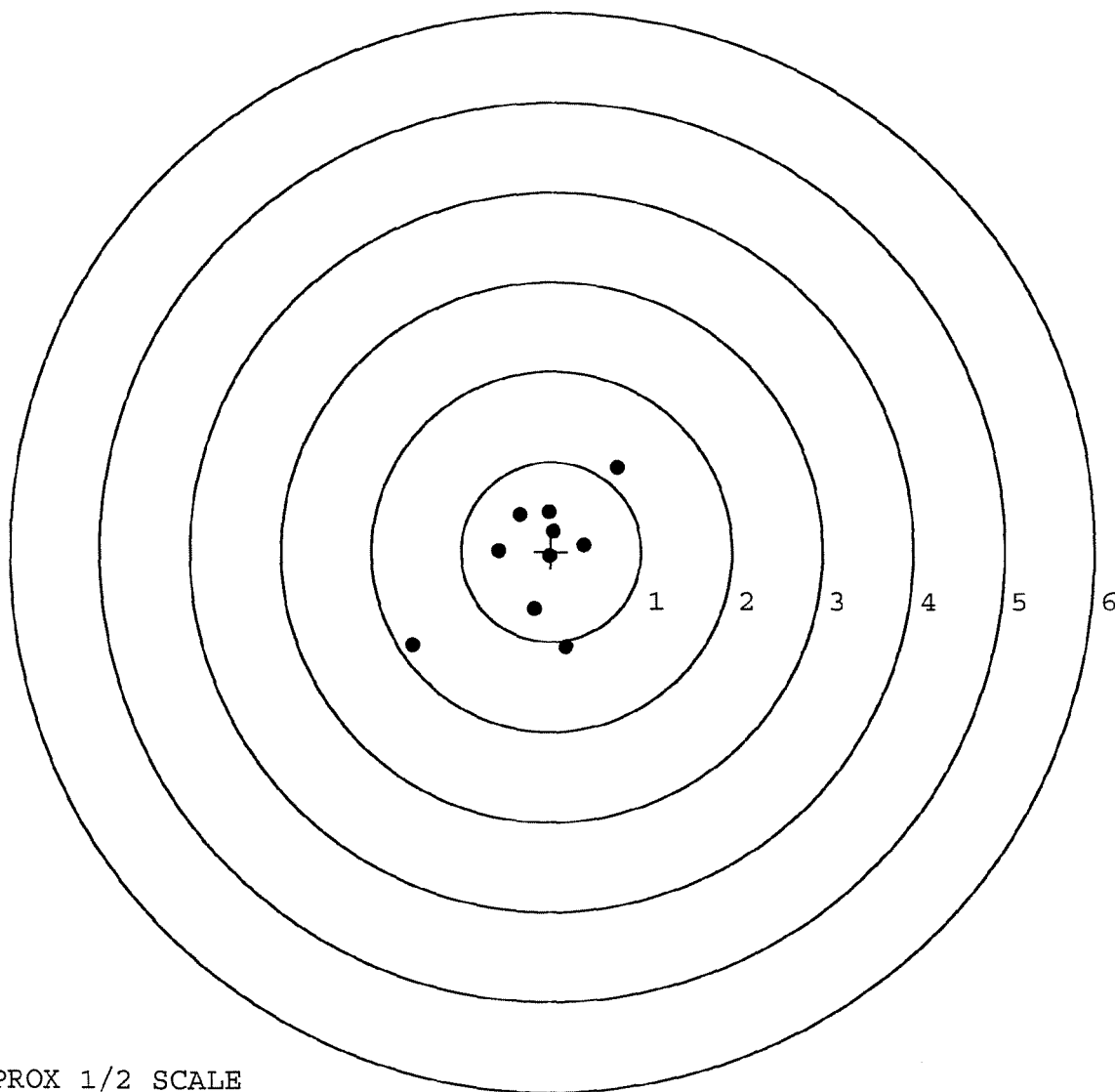
MEAN RADIUS: 0.713

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.728  | 0.937  |
| 2:     | 0.176  | -1.063 |
| 3:     | -0.185 | -0.644 |
| 4:     | -1.539 | -1.044 |
| 5:     | -0.585 | 0.011  |
| 6:     | -0.023 | -0.054 |
| 7:     | 0.372  | 0.072  |
| 8:     | -0.032 | 0.434  |
| 9:     | -0.350 | 0.408  |
| 10:    | 0.027  | 0.224  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349128. \_\_0

TARGET NUMBER: 5

FILE DATE: 01/28/2004

FILE TIME: 10:38

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.522 | 0.883  |
| 2:     | -0.771 | 0.886  |
| 3:     | -1.589 | 0.023  |
| 4:     | -1.058 | -0.324 |
| 5:     | -0.434 | -0.816 |
| 6:     | -0.260 | -0.428 |
| 7:     | 0.051  | -0.295 |
| 8:     | 0.482  | -0.365 |
| 9:     | 0.601  | 0.066  |
| 10:    | -0.857 | -0.205 |

X CENTROID: -0.436

Y CENTROID: -0.058

POA TO CENTROID: 0.439

HORZ SPREAD: 2.190

VERT SPREAD: 1.702

GROUP SPREAD: 2.190

MIN RADIUS: 0.410

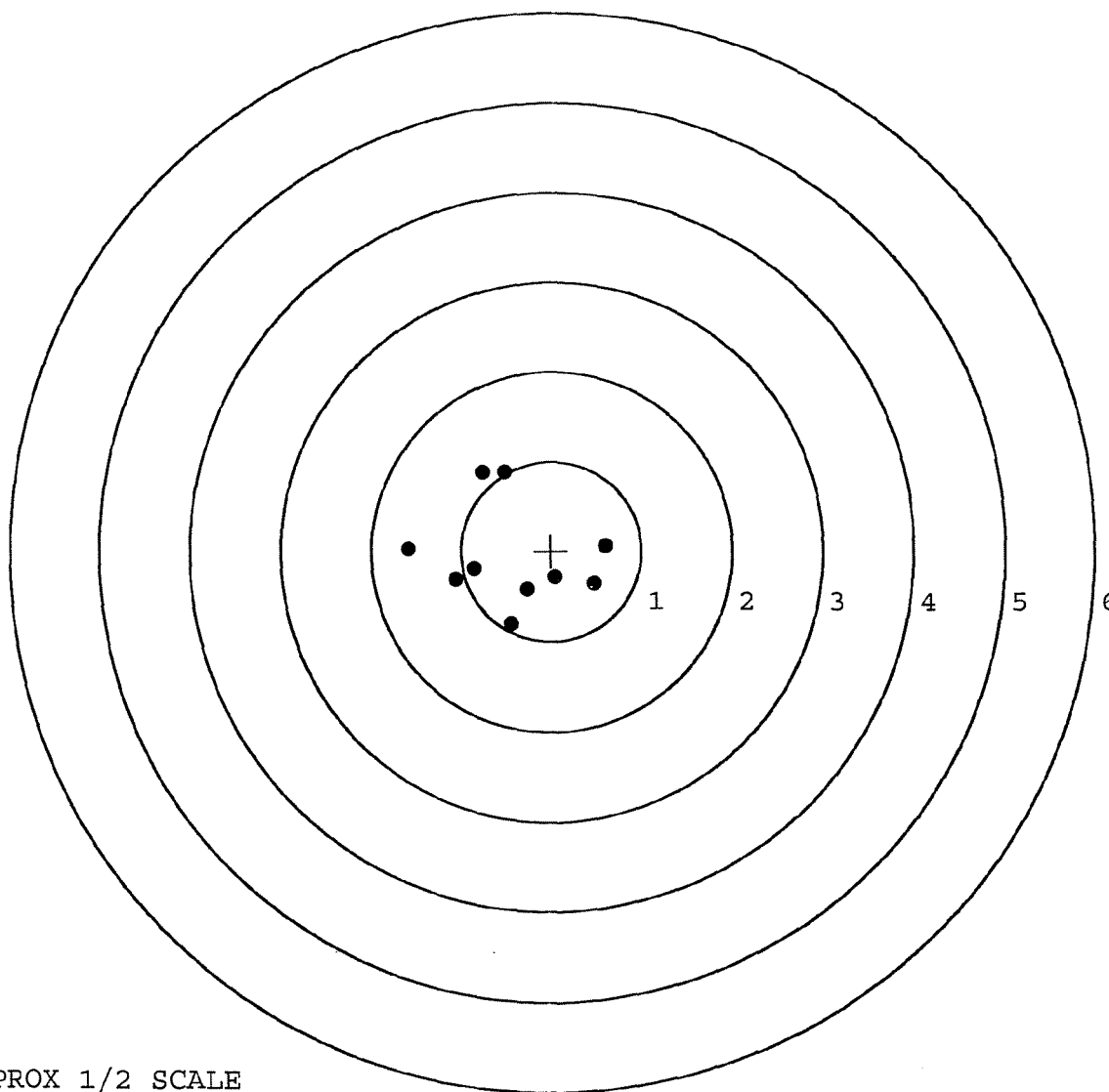
MAX RADIUS: 1.156

MEAN RADIUS: 0.795

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE



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

|                     |                    |           |         |
|---------------------|--------------------|-----------|---------|
| R & E NUMBER        | 74624              |           |         |
| SERIAL NUMBER       | C6349128           |           |         |
| LOG-IN DATE         | 12-29-03           |           |         |
| INSPECT AND VERIFY: |                    |           |         |
| OPERATION #         | OPERATION NAME     | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 1-5-04    | RTL     |
| 560 A               | RE-BARREL          | 1-7-04    | RTL     |
| B                   | DRILL AND TAP      | 1-9-04    | TRW     |
| 575                 | ASSEMBLE           | 1-8-04    | RTL     |
| 600                 | PROOF              | 1-8-04    | RW      |
| 605                 | CHECK HEADSPACE    | 1-8-04    | RW      |
| 610                 | DIS-ASSEMBLE GUN   | 1-8-04    | RW      |
| 612                 | MAGNAFLUX          | 1-13-04   | JB      |
| 615                 | ROLLMARK CALIBER   | 1/13/2004 | Dans.   |
| 618                 | ROTO-BLAST         | 1-15      | TH      |
| 620                 | APPLY COATINGS     | 1-20-04   | RTL     |
| 625 A               | FINAL ASSEMBLY     |           |         |
| B                   | TRIGGER PULL TEST  |           |         |
| C                   | SAFETY "ON" FORCE  |           |         |
| D                   | SAFETY "OFF" FORCE |           |         |
| E                   | FIRING PIN INDENT  |           |         |
| 640                 | TARGET             | 1-28-04   | AK      |
| 655                 | FINAL INSPECT      | 1-29-04   | RTL     |
| 660                 | PACK               | 1-29-04   | DA      |
|                     |                    | SHIP DATE |         |
| QAR INSPECTION DATE |                    |           |         |

# RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 96-04784

INITIAL  
FPS

CUSTOMER ORDER NO.

M-24 SNIPER W/10X LEUPOLD SCOPE, & SCOPE SHADE

DATE RECEIVED  
02/12/96

DATE OPENED  
02/12/96

DATE CODE

SERIAL NUMBER  
C6349128

NEW SERIAL NUMBER

MODEL AND GRADE  
700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

W/STUDS

W/SWIVELS

W/NIGHT VISION BASE

FROM:

SHIP TO:

U S ARMY  
C CO. 3/5 SFG (A)  
FT CAMPBELL

KY 42223

U S ARMY  
C CO. 3/5 SFG (A)  
FT CAMPBELL

KY

42223

L

CUST NO:137790 C.M.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

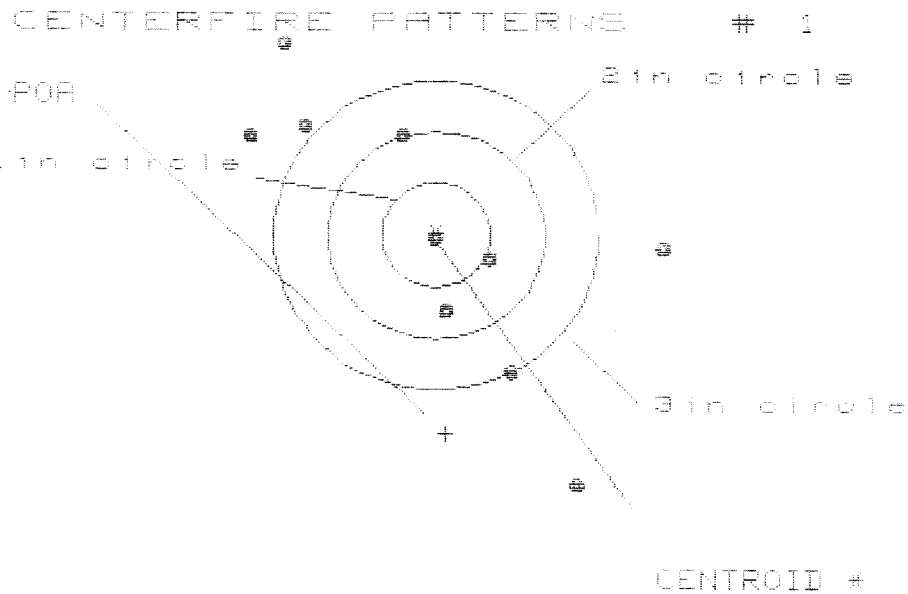
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400108417

8/17/96

13 Jan 1900

FILE:/PATTERNING/CENTERFIRE\_PATT/08349128



# OF SHOTS- 10  
# IN CIR  
1 in = 1  
2 in = 4  
3 in = 5  
ME = 3.721  
VS = 4.309  
GS = 5.125

| PATTERN #                   | 1      | 2      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 2.054  | 2.202  | 2.041  |
| MINIMUM X                   | -1.667 | -1.519 | -1.680 |
| MAXIMUM Y                   | 1.889  | 1.620  | 1.046  |
| MINIMUM Y                   | -2.420 | -1.581 | -1.079 |
| CENTROID X                  | -0.090 | -0.238 | -0.077 |
| CENTROID Y                  | 1.930  | 2.199  | 1.997  |
| POA TO CENTROID in.         | 1.932  | 2.212  | 1.998  |
| MIN RADIUS                  | .050   | .065   | .119   |
| MEAN RADIUS                 | 1.454  | 1.333  | 1.186  |
| MAX RADIUS                  | 2.764  | 2.232  | 2.047  |
| HORIZONTAL SPREAD           | 3.721  | 3.721  | 3.721  |
| VERTICAL SPREAD             | 4.309  | 3.201  | 2.425  |
| EXTREME SPREAD              | 5.125  | 4.016  | 3.860  |
| NUMBER IN ONE INCH CIRCLE   | = 1    |        |        |
| NUMBER IN TWO INCH CIRCLE   | = 4    |        |        |
| NUMBER IN THREE INCH CIRCLE | = 5    |        |        |

Two  
Targets

Previous  
AMR

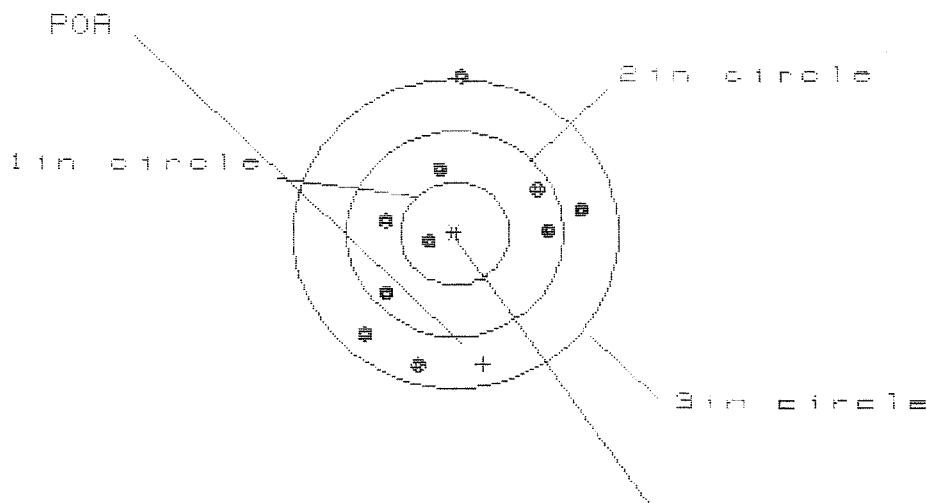
8562

8/13/96

13 Jan 1988

FILE: \PATTERNING\CENTERFIRE\_PATT\08349128

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.988

VS = 2.790

GS = 2.810

CENTROID \*

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.175  | 1.177  | 1.139 |
| MINIMUM X                   | : | -.813  | -.811  | -.849 |
| MAXIMUM Y                   | : | 1.509  | .840   | .701  |
| MINIMUM Y                   | : | -1.281 | -1.113 | -.953 |
| CENTROID X                  | : | -.258  | -.260  | -.222 |
| CENTROID Y                  | : | 1.272  | 1.104  | 1.243 |
| POA TO CENTROID in.         | : | 1.298  | 1.134  | 1.263 |
| MIN RADIUS                  | : | .253   | .260   | .282  |
| MEAN RADIUS                 | : | .959   | .896   | .850  |
| MAX RADIUS                  | : | 1.509  | 1.245  | 1.277 |
| HORIZONTAL SPREAD           | : | 1.988  | 1.988  | 1.988 |
| VERTICAL SPREAD             | : | 2.790  | 1.953  | 1.654 |
| EXTREME SPREAD              | : | 2.810  | 2.332  | 2.332 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

PREVIOUS  
AMR

8562

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

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

**MODEL 700™ H24**

**SERIAL NO.**  
C6349128

**ORDER NO.**  
5716

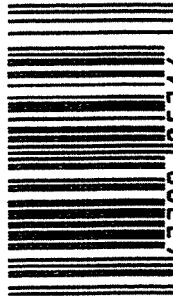
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6349128

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349128

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 4 12     | 90      | RW   |
| 600          | Proof                                                          | 4 12     | 90      | L    |
| 607          | Check Headspace                                                | 4 12     | 90      | A    |
| 610          | Dis-assemble Gun                                               | 4 12     | 90      | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 4-19-90  |         | KCR  |
|              | Magnaflux Bolt                                                 | 4-19-90  |         | KCR  |
| 615          | Rollmark Caliber                                               | 4-19-90  |         | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | 4/23/90 | RB   |
| 618          | Polish Barrel RB                                               |          | 4/24/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 4-30-90 | TA   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 4/18/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 4/18/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 4/18/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 4/18/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5/7/90  | JA   |

| op. #        | OP. NAME                                                    | READINGS |      |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4    | 4     |      |      | 5/8/90  | GM   |
|              | G) Safety Off Force                                         | 3        | 3    | 3     |      |      | 5/8/90  | GM   |
|              | H) Trigger Pull Test & Retainability                        |          |      |       |      |      | 5/7/90  | GM   |
|              | I) Firing Pin Indent                                        | .020     | .020 | .0205 |      |      | 5/8/90  | GM   |
|              | J) Assemble Stock                                           |          |      |       |      |      | 5/9/90  | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |       |      |      | 5/17/90 | WB   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |       |      |      | 5/9/90  | RW   |
|              | M) Iron Sight Alignment                                     |          |      |       |      |      | 5/9/90  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |       |      |      | 5/9/90  | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |       |      |      | 5/10/90 | GM   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |       |      |      | 5/10/90 | GM   |
| 640          | Gallery Target & Test                                       |          |      |       |      |      | 5-11-90 | DH   |
|              | A) Time                                                     |          |      |       |      |      | 5-11-90 | DH   |
|              | B) Malfunctions                                             |          |      |       |      |      | 5-11-90 | DH   |
|              | C) Pierced Primers                                          |          |      |       |      |      | 5-11-90 | DH   |
|              | D) Optical Clarity of Scope                                 |          |      |       |      |      | 5-11-90 | DH   |
| 645          | Inspect for Live Ammo                                       |          |      |       |      |      | 5-11-90 | DH   |
| 655          | Final Inspection                                            |          |      |       |      |      | 5/17/90 | WB   |
|              | A) Headspace                                                |          |      |       |      |      | 5/17/90 | WB   |
|              | B) Trigger Pull                                             | 2.62     | 2.63 | 2.63  | 2.65 | 2.67 | 5/16/90 | WB   |
|              | C) Function                                                 |          |      |       |      |      | 5/17/90 | WB   |
| 660          | Pack                                                        |          |      |       |      |      | 6/20/90 | DH   |

SWS TRIGGER PULL TEST

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

SERIAL NO. 06349128

DATE 5/7/90

TESTER JEL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.29             | 2.46                     | 2.35                           | 2.62 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.36             | 2.50                     | 2.50                           | 2.63 |                                                                        |
| PULL #3 | 2.26             | 2.52                     | 2.63                           | 2.63 |                                                                        |
| PULL #4 | 2.26             | 2.42                     | 2.43                           | 2.65 |                                                                        |
| PULL #5 | 2.24             | 2.51                     | 2.50                           | 2.67 |                                                                        |
| TOTAL   | 11.41            | 12.41                    | 12.31                          |      |                                                                        |
| AVG.    | 2.282            | 2.482                    | 2.462                          |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.25             | 3.33                     |  |          |
| PULL #2 | 3.21             | 3.32                     |  |          |
| PULL #3 | 3.24             | 3.34                     |  |          |
| PULL #4 | 3.20             | 3.30                     |  |          |
| PULL #5 | 3.50             | 3.34                     |  |          |
| TOTAL   | 16.40            | 16.63                    |  |          |
| AVG.    | 3.28             | 3.326                    |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.25             | 4.24                     |                                | 4.27                                 |
| PULL #2 | 4.27             | 4.28                     |                                | 4.30                                 |
| PULL #3 | 4.20             | 4.29                     |                                | 4.27                                 |
| PULL #4 | 4.34             | 4.29                     |                                | 4.41                                 |
| PULL #5 | 4.24             | 4.27                     |                                | 4.40                                 |
| TOTAL   | 21.30            | 21.39                    |                                | 21.65                                |
| AVG.    | 4.26             | 4.274                    |                                | 4.33                                 |



CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349128  
11 May 1990

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .0790759 |
| 1 TO | 2 | .0449222 |
| 1 TO | 3 | .219572  |
| 1 TO | 4 | .293015  |
| 1 TO | 5 | .149933  |

✱ <----POA

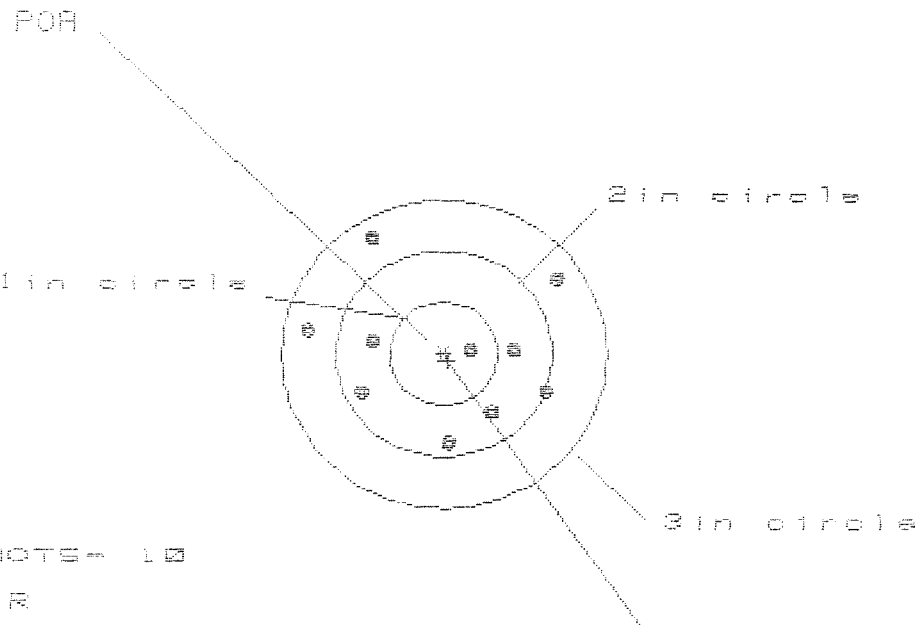
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0352  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .009  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0363324  
THE AMR FOR THIS RIFLE IS: .8562

11 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349128

# CENTERFIRE PATTERNS

# 1



# OF SHOTS: 10

# IN CIR

1in = 1

2in = 6

3in = 10

HBI = 2.388

VBI = 2.023

GBI = 2.446

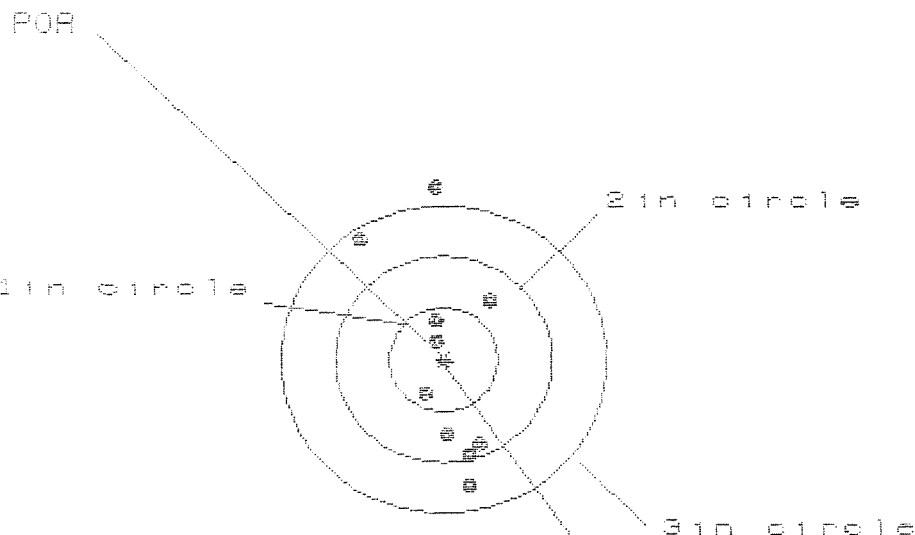
CENTROID \*

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.090  | 1.110  | .964  |
| MINIMUM X                     | -1.290 | -1.169 | -.800 |
| MAXIMUM Y                     | 1.147  | 1.234  | 1.272 |
| MINIMUM Y                     | -.876  | -.789  | -.752 |
| CENTROID X                    | -.042  | -.163  | -.017 |
| CENTROID Y                    | .067   | -.020  | -.058 |
| POR TO CENTROID in.           | .079   | .164   | .060  |
| MIN RADIUS                    | .263   | .393   | .266  |
| MEAN RADIUS                   | .906   | .855   | .782  |
| MAX RADIUS                    | 1.340  | 1.334  | 1.430 |
| HORIZONTAL SPREAD             | 2.388  | 2.279  | 1.764 |
| VERTICAL SPREAD               | 2.023  | 2.023  | 2.023 |
| EXTREME SPREAD                | 2.446  | 2.365  | 2.249 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

11 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/G8349128

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 3

2in = 7

3in = 9

HS = 1.205

VS = 2.877

GS = 2.892

CENTROID \*

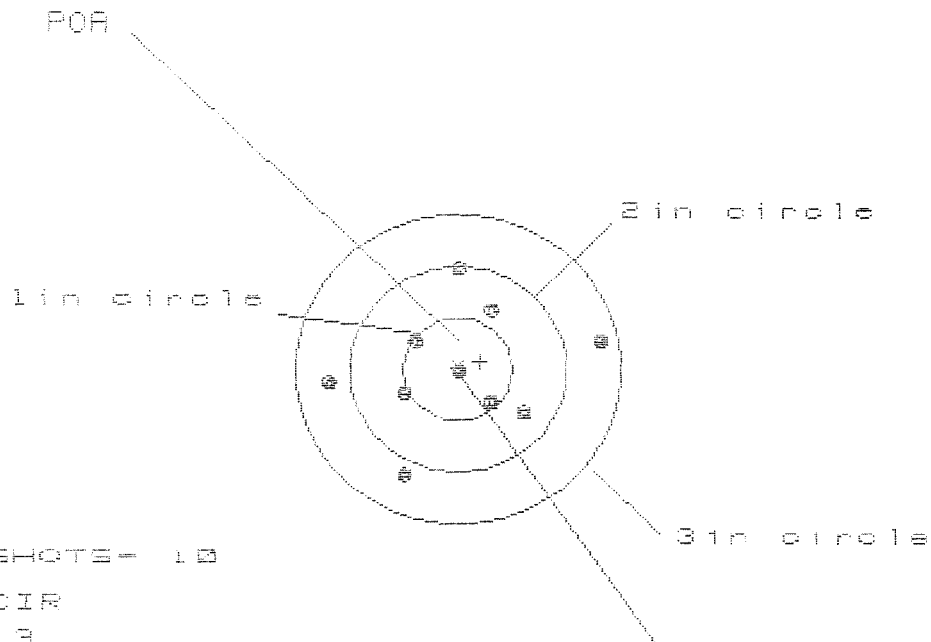
|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 2      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .387   | .383   | .281  |
| MINIMUM X                   | : | -.818  | -.822  | -.317 |
| MAXIMUM Y                   | : | 1.666  | 1.387  | .943  |
| MINIMUM Y                   | : | -1.211 | -1.025 | -.852 |
| CENTROID X                  | : | -.029  | -.025  | .077  |
| CENTROID Y                  | : | .024   | -.162  | -.335 |
| POA TO CENTROID in.         | : | .037   | .164   | .344  |
| MIN RADIUS                  | : | .228   | .235   | .327  |
| MEAN RADIUS                 | : | .868   | .762   | .636  |
| MAX RADIUS                  | : | 1.667  | 1.612  | .984  |
| HORIZONTAL SPREAD           | : | 1.205  | 1.205  | .598  |
| VERTICAL SPREAD             | : | 2.877  | 2.412  | 1.795 |
| EXTREME SPREAD              | : | 2.892  | 2.645  | 1.799 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

11 May 1995

FILE:/PATTERNING/CENTERFIRE\_PATT/Q8349128

# CENTERFIRE PATTERNS

# 3



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 7

3in = 10

HSE= 2.560

VS= 1.958

ES= 2.601

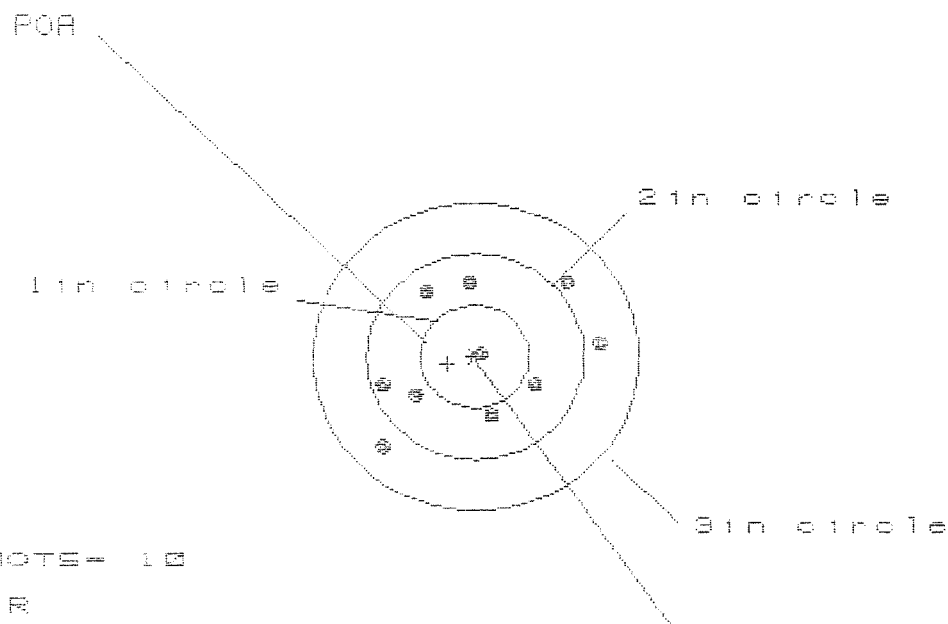
CENTROID #

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.326  | .800   | .664  |
| MINIMUM X                     | -1.234 | -1.087 | -.503 |
| MAXIMUM Y                     | .966   | 1.002  | .989  |
| MINIMUM Y                     | -.992  | -.956  | -.969 |
| CENTROID X                    | -.206  | -.353  | -.217 |
| CENTROID Y                    | -.079  | -.115  | -.102 |
| POA TO CENTROID in.           | .220   | .371   | .240  |
| MIN RADIUS                    | .070   | .169   | .053  |
| MEAN RADIUS                   | .766   | .698   | .630  |
| MAX RADIUS                    | 1.364  | 1.092  | 1.092 |
| HORIZONTAL SPREAD             | 2.560  | 1.887  | 1.167 |
| VERTICAL SPREAD               | 1.958  | 1.958  | 1.958 |
| EXTREME SPREAD                | 2.601  | 2.024  | 2.024 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

11 May 1938

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349128

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.0880

VS= 1.671

ES= 2.434

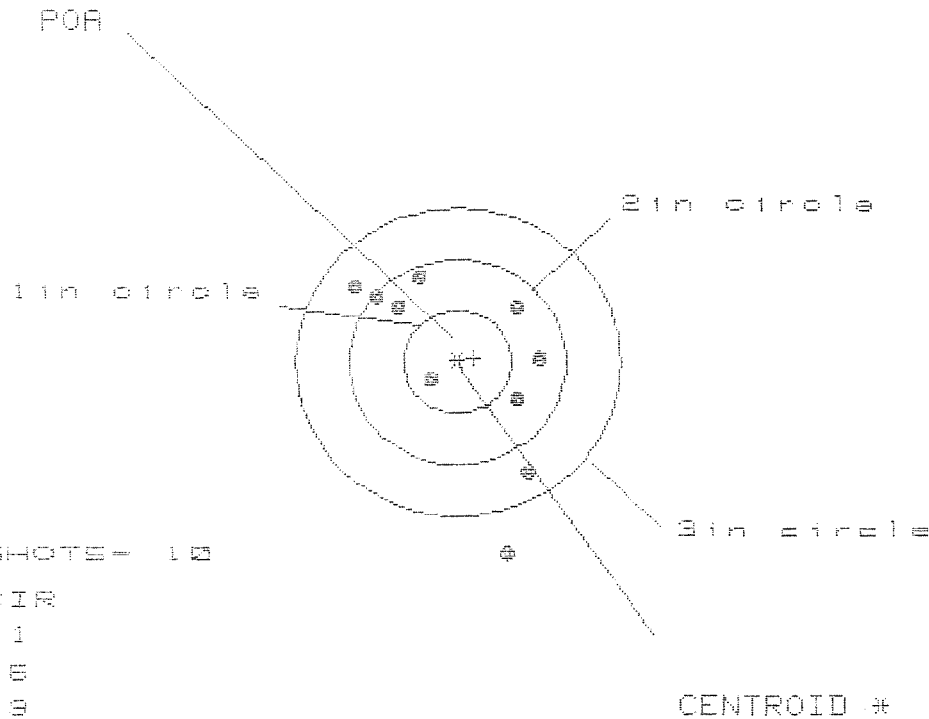
CENTROID \*

| PATTERN #                   | 1     | 4     | 9 | 8     |
|-----------------------------|-------|-------|---|-------|
| SHOTS (BEST OF)             | 10    |       |   |       |
| MAXIMUM X                   | 1.198 | 1.099 |   | .919  |
| MINIMUM X                   | -.892 | -.959 |   | -.822 |
| MAXIMUM Y                   | .763  | .662  |   | .670  |
| MINIMUM Y                   | -.908 | -.626 |   | -.618 |
| CENTROID X                  | .251  | .350  |   | .213  |
| CENTROID Y                  | .070  | .171  |   | .163  |
| POA TO CENTROID in.         | .261  | .390  |   | .268  |
| MIN RADIUS                  | .041  | .110  |   | .069  |
| MEAN RADIUS                 | .798  | .749  |   | .689  |
| MAX RADIUS                  | 1.273 | 1.100 |   | 1.135 |
| HORIZONTAL SPREAD           | 2.090 | 2.058 |   | 1.741 |
| VERTICAL SPREAD             | 1.671 | 1.288 |   | 1.288 |
| EXTREME SPREAD              | 2.434 | 2.106 |   | 2.030 |
| NUMBER IN ONE INCH CIRCLE   | =     | 1     |   |       |
| NUMBER IN TWO INCH CIRCLE   | =     | 7     |   |       |
| NUMBER IN THREE INCH CIRCLE | =     | 10    |   |       |

11 May 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/Q6849128

# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 6

3 in = 9

HSE = 1.647

VSE = 2.708

GSE = 2.897

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 5      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .708   | .764   | .850  |
| MINIMUM X                   | : | -.939  | -.883  | -.797 |
| MAXIMUM Y                   | : | .885   | .683   | .530  |
| MINIMUM Y                   | : | -1.823 | -1.222 | -.737 |
| CENTROID X                  | : | -.150  | -.206  | -.292 |
| CENTROID Y                  | : | -.037  | .165   | .318  |
| POR TO CENTROID in.         | : | .155   | .264   | .432  |
| MIN RADIUS                  | : | .294   | .429   | .505  |
| MEAN RADIUS                 | : | .943   | .815   | .718  |
| MAX RADIUS                  | : | 1.890  | 1.403  | .979  |
| HORIZONTAL SPREAD           | : | 1.647  | 1.647  | 1.647 |
| VERTICAL SPREAD             | : | 2.708  | 1.905  | 1.267 |
| EXTREME SPREAD              | : | 2.897  | 2.325  | 1.798 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |