

05348827

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

\* Includes 1 in chamber.

*Remington*



AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
**BARBER - M24 0039208**

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

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)

DATE 1-3-05

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 | 2.33                | 2.36                        |                                   | 2.23  |          |
| PULL #2 | 2.34                | 2.37                        |                                   | 2.23  |          |
| PULL #3 | 2.53                | 2.25                        |                                   | 2.25  |          |
| PULL #4 | 2.54                | 2.24                        |                                   | 2.20  |          |
| PULL #5 | 2.52                | 2.25                        |                                   | 2.18  |          |
| TOTAL   | 12.26               | 11.47                       |                                   | 11.09 |          |
| AVERAGE | 2.45                | 2.29                        |                                   | 2.21  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.13                | 3.11                        |  |          |
| PULL #2 | 3.08                | 3.16                        |  |          |
| PULL #3 | 3.21                | 3.17                        |  |          |
| PULL #4 | 3.22                | 3.13                        |  |          |
| PULL #5 | 3.26                | 3.09                        |  |          |
| TOTAL   | 15.90               | 15.66                       |  |          |
| AVERAGE | 3.18                | 3.13                        |  |          |

|         | 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 | 4.21                | 4.03                        |                                   | 4.42                                    |
| PULL #2 | 4.11                | 3.96                        |                                   | 4.50                                    |
| PULL #3 | 4.09                | 4.06                        |                                   | 4.45                                    |
| PULL #4 | 4.15                | 3.99                        |                                   | 4.54                                    |
| PULL #5 | 4.15                | 4.03                        |                                   | 4.57                                    |
| TOTAL   | 20.71               | 20.07                       |                                   | 22.48                                   |
| AVERAGE | 4.14                | 4.01                        |                                   | 4.49                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348827.\_\_\_0  
FILE DATE AND TIME: 01/12/2005 11:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.012 |
| The Average Y Centroid of the Five Target Set:              | -0.010 |
| The Average Point of Impact of the Five Target Set:         | 0.016  |
| The Average Mean Radius of the Five Target Set:             | 0.637  |
| The Distance from POA to Centroid Target #1:                | 0.108  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.137  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.172  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.116  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.232  |

SERIAL NUMBER: C6348827. 0

TARGET NUMBER: 1

FILE DATE: 01/12/2005

FILE TIME: 11:12

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.277  | -0.981 |
| 2:     | 0.788  | -0.221 |
| 3:     | 0.989  | 0.002  |
| 4:     | 0.319  | 0.230  |
| 5:     | 0.230  | 0.359  |
| 6:     | 0.016  | -0.351 |
| 7:     | -0.336 | -0.083 |
| 8:     | -0.618 | -0.635 |
| 9:     | -0.952 | 0.079  |
| 10:    | 0.174  | 0.984  |

X CENTROID: 0.089

Y CENTROID: -0.062

POA TO CENTROID: 0.108

HORZ SPREAD: 1.941

VERT SPREAD: 1.965

GROUP SPREAD: 1.943

MIN RADIUS: 0.298

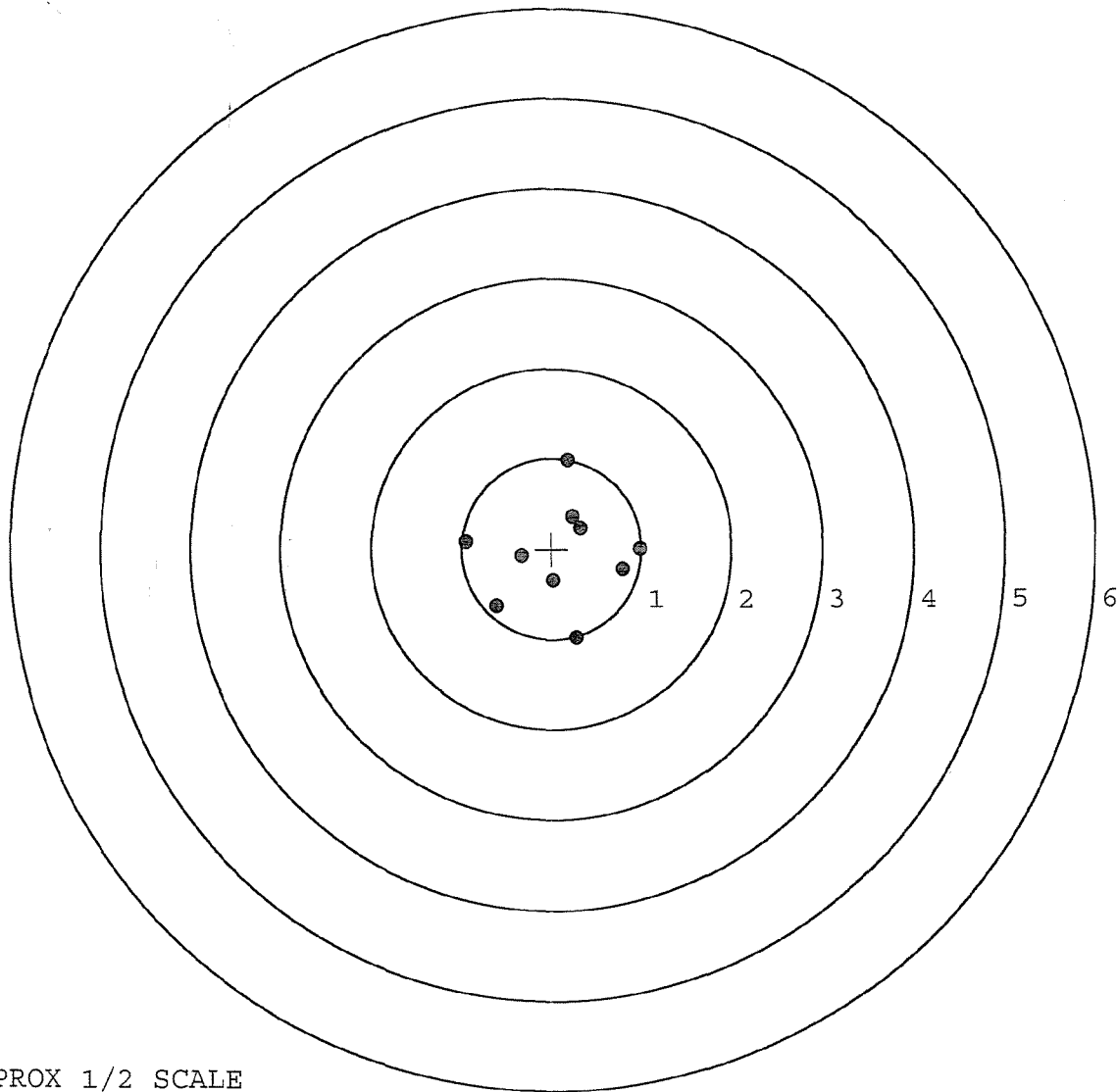
MAX RADIUS: 1.050

MEAN RADIUS: 0.711

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10

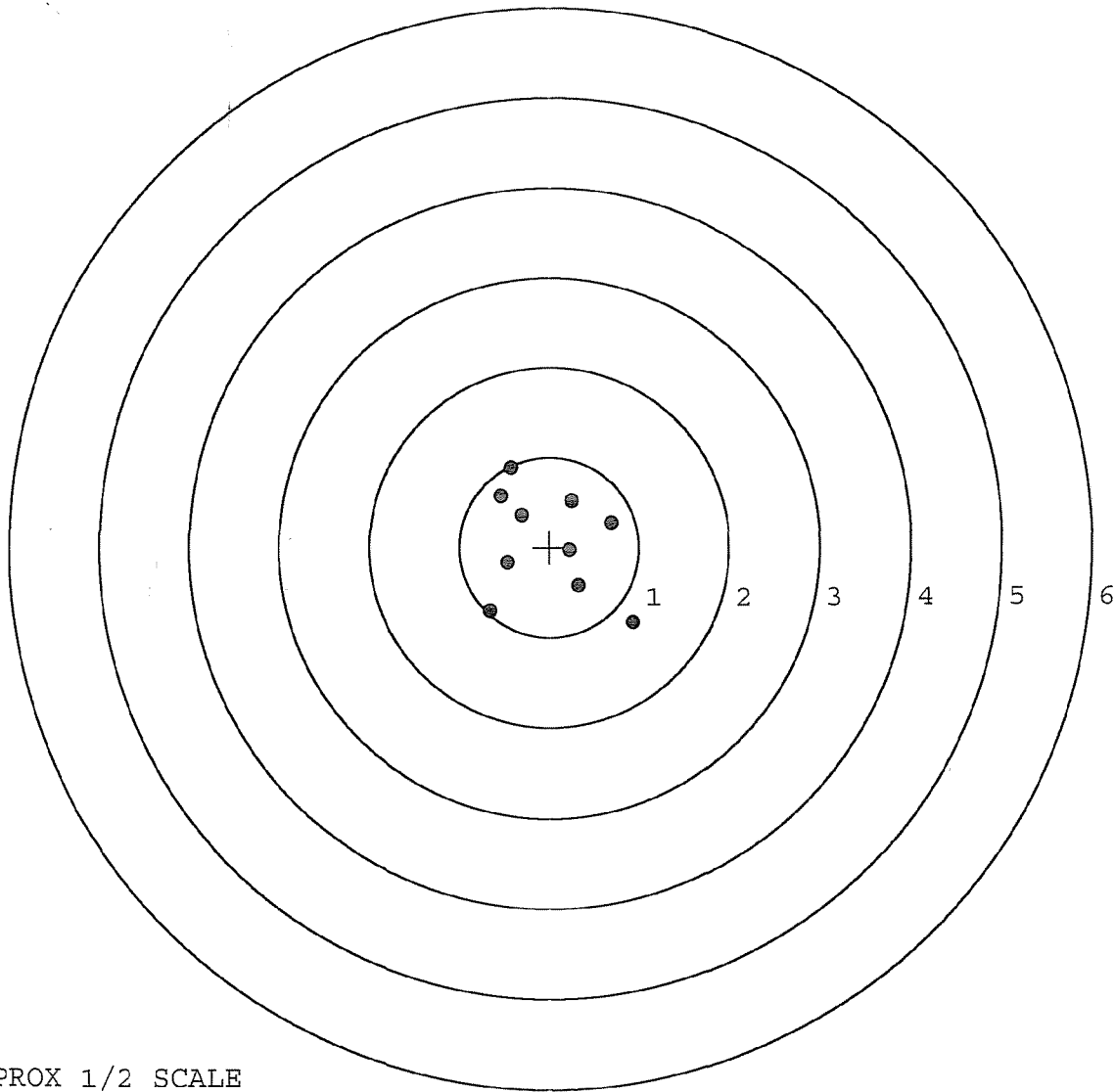


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 01/12/2005  
 FILE TIME: 11:12

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.927  | -0.836 |
| 2:     | 0.324  | -0.430 |
| 3:     | 0.224  | -0.037 |
| 4:     | 0.685  | 0.271  |
| 5:     | 0.245  | 0.520  |
| 6:     | -0.430 | 0.885  |
| 7:     | -0.553 | 0.569  |
| 8:     | -0.314 | 0.355  |
| 9:     | -0.470 | -0.178 |
| 10:    | -0.666 | -0.713 |

X CENTROID: -0.003  
 Y CENTROID: 0.041  
 POA TO CENTROID: 0.041  
 HORZ SPREAD: 1.593  
 VERT SPREAD: 1.721  
 GROUP SPREAD: 2.192  
 MIN RADIUS: 0.240  
 MAX RADIUS: 1.278  
 MEAN RADIUS: 0.703  
 # IN 1 IN DIAMETER: 2  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. \_\_0

TARGET NUMBER: 3

FILE DATE: 01/12/2005

FILE TIME: 11:12

X CENTROID: -0.080

Y CENTROID: -0.030

POA TO CENTROID: 0.086

HORZ SPREAD: 1.700

VERT SPREAD: 0.718

GROUP SPREAD: 1.712

MIN RADIUS: 0.253

MAX RADIUS: 0.965

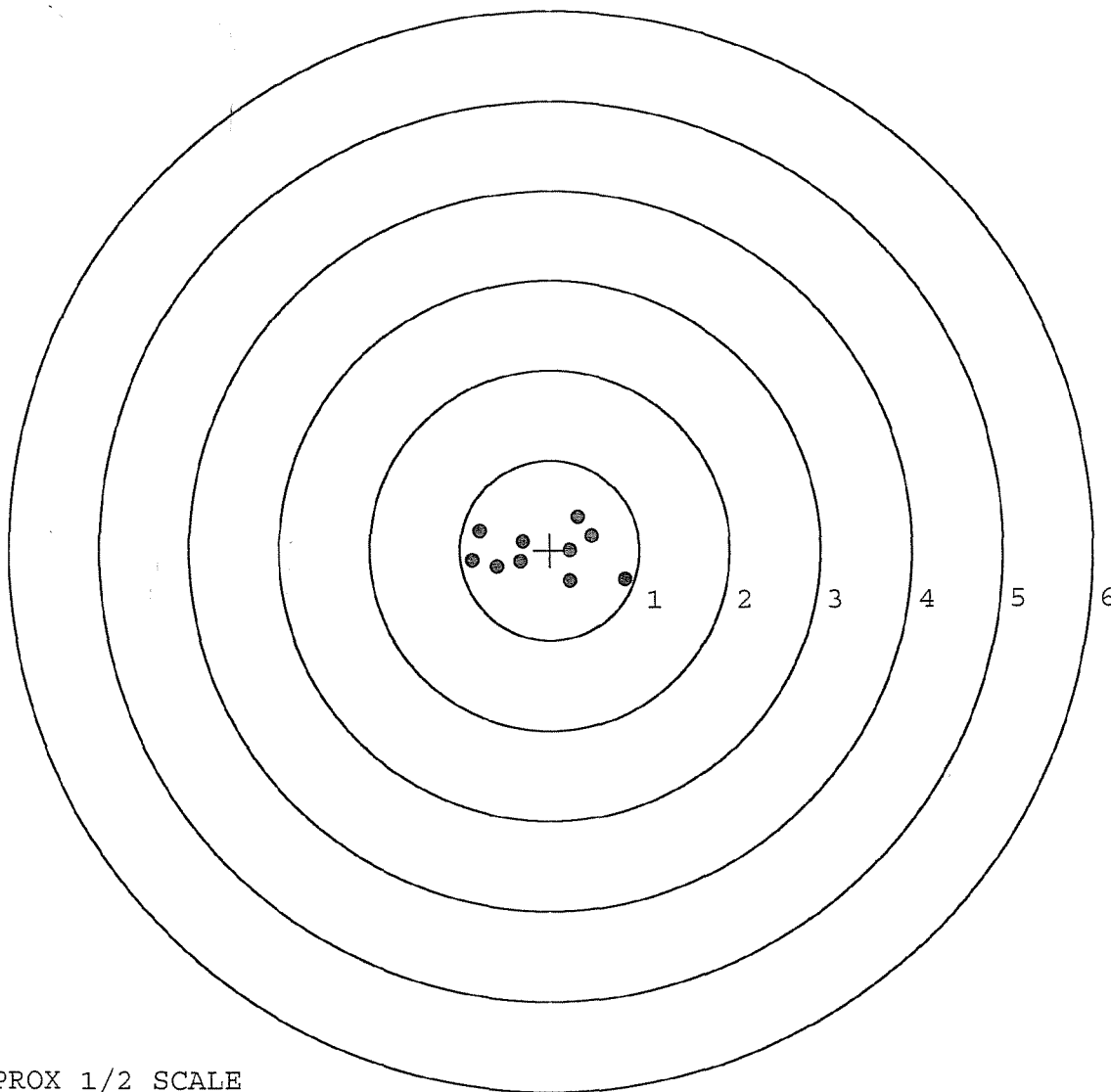
MEAN RADIUS: 0.544

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.837  | -0.329 |
| 2:     | 0.224  | -0.350 |
| 3:     | 0.223  | -0.008 |
| 4:     | 0.473  | 0.159  |
| 5:     | 0.309  | 0.368  |
| 6:     | -0.301 | 0.094  |
| 7:     | -0.331 | -0.127 |
| 8:     | -0.591 | -0.193 |
| 9:     | -0.863 | -0.125 |
| 10:    | -0.781 | 0.210  |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. 0

TARGET NUMBER: 4

FILE DATE: 01/12/2005

FILE TIME: 11:12

X CENTROID: -0.012

Y CENTROID: -0.121

POA TO CENTROID: 0.121

HORZ SPREAD: 2.366

VERT SPREAD: 1.045

GROUP SPREAD: 2.382

MIN RADIUS: 0.199

MAX RADIUS: 1.463

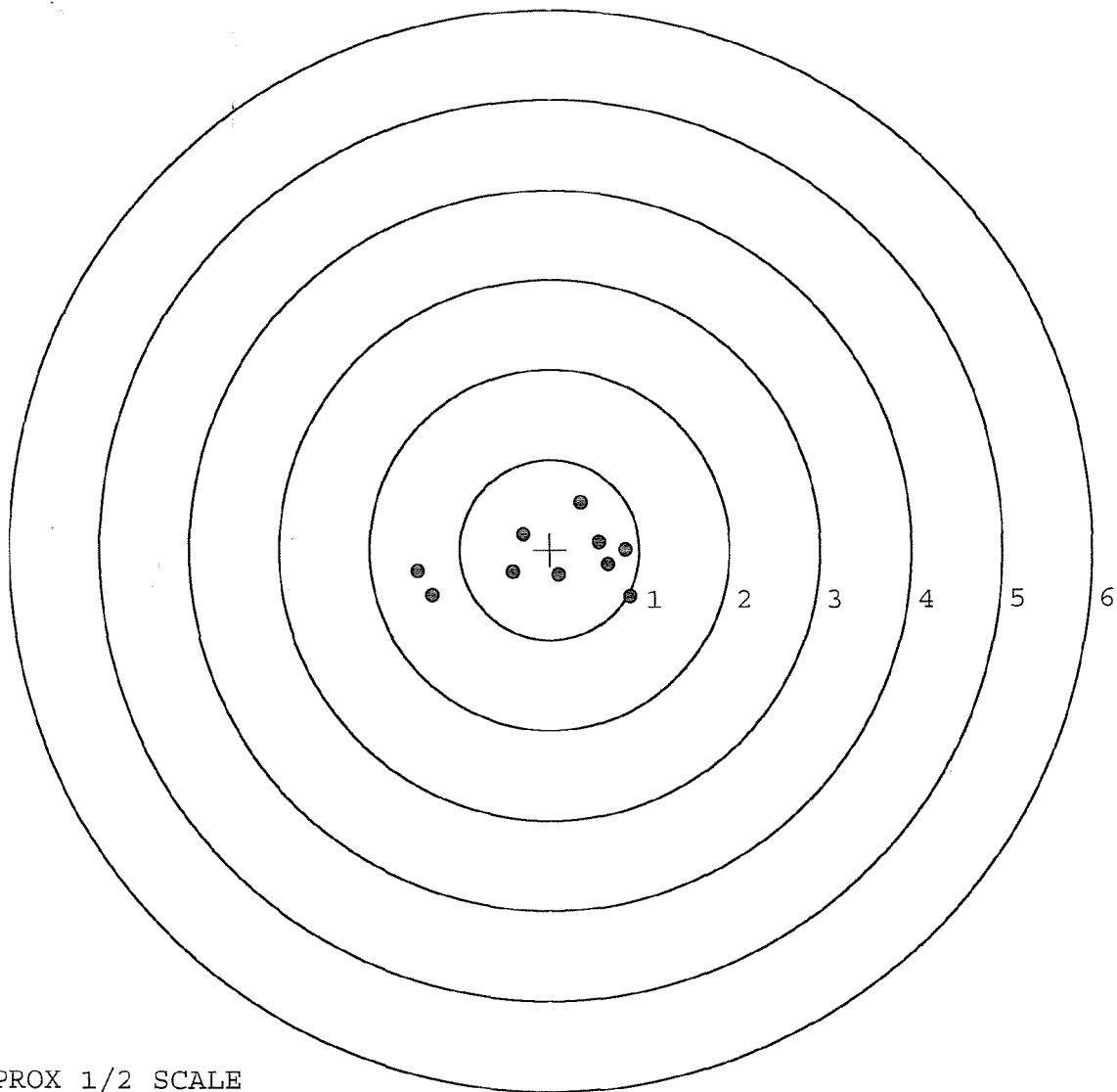
MEAN RADIUS: 0.771

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.897  | -0.519 |
| 2:     | 0.343  | 0.526  |
| 3:     | 0.100  | -0.286 |
| 4:     | -0.299 | 0.170  |
| 5:     | -1.469 | -0.246 |
| 6:     | -1.312 | -0.513 |
| 7:     | -0.418 | -0.252 |
| 8:     | 0.842  | -0.006 |
| 9:     | 0.548  | 0.080  |
| 10:    | 0.653  | -0.161 |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348827. 0

TARGET NUMBER: 5

FILE DATE: 01/12/2005

FILE TIME: 11:12

X CENTROID: -0.055

Y CENTROID: 0.121

POA TO CENTROID: 0.133

HORZ SPREAD: 1.285

VERT SPREAD: 0.972

GROUP SPREAD: 1.366

MIN RADIUS: 0.153

MAX RADIUS: 0.839

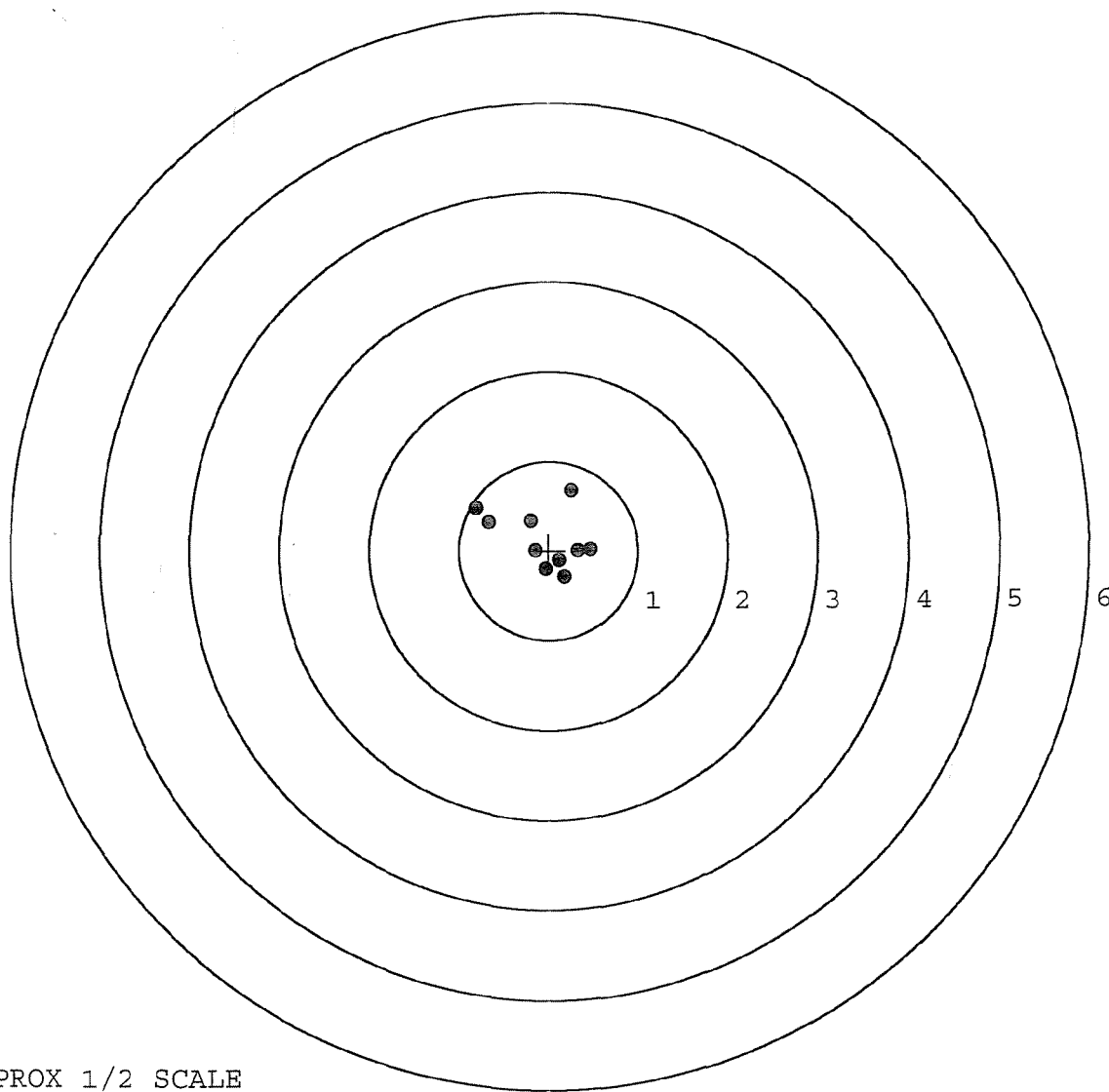
MEAN RADIUS: 0.457

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.250  | 0.676  |
| 2:     | -0.209 | 0.337  |
| 3:     | -0.814 | 0.479  |
| 4:     | -0.674 | 0.315  |
| 5:     | 0.471  | 0.016  |
| 6:     | 0.327  | 0.001  |
| 7:     | -0.153 | 0.003  |
| 8:     | -0.037 | -0.211 |
| 9:     | 0.174  | -0.296 |
| 10:    | 0.115  | -0.111 |



TARGET APPROX 1/2 SCALE

BARBER - M24 0039215 M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-D-0127

|                     |                    |           |         |
|---------------------|--------------------|-----------|---------|
| R & E NUMBER        | 89041              |           |         |
| SERIAL NUMBER       | C 6348827          |           |         |
| LOG-IN DATE         | 12-6-04            |           |         |
| INSPECT AND VERIFY: |                    |           |         |
| OPERATION #         | OPERATION NAME     | DATE      | INITIAL |
| 550                 | DIS-ASSEMBLE GUN   | 12-8-04   | AC      |
| 560 A               | RE-BARREL          | 12-15-04  | RTL     |
| B                   | DRILL AND TAP      | 12-27-04  | TRW     |
| 575                 | ASSEMBLE           | 12-16-04  | RTL     |
| 600                 | PROOF              | 12-16-04  | RTL     |
| 605                 | CHECK HEADSPACE    | 12-16-04  | RTL     |
| 610                 | DIS-ASSEMBLE GUN   | 12-27-04  | RTL     |
| 612                 | MAGNAFLUX          | OPERATOR  |         |
| 615                 | ROLLMARK CALIBER   | 12-27-04  | CW      |
| 618                 | ROTO-BLAST         | 12/28/04  | DG      |
| 620                 | APPLY COATINGS     | 1/3/05    | HP      |
| 625 A               | FINAL ASSEMBLY     | 1-10-05   | RTL     |
| B                   | TRIGGER PULL TEST  | 1-13-05   |         |
| C                   | SAFETY "ON" FORCE  | 1-13-05   |         |
| D                   | SAFETY "OFF" FORCE | 1-13-05   |         |
| E                   | FIRING PIN INDENT  | 1-13-05   |         |
| 640                 | TARGET             | 1-12-05   | TRW     |
| 655                 | FINAL INSPECT      | 1-13-05   | AC      |
| 660                 | PACK               | 3-1-05    | DA      |
|                     |                    | SHIP DATE |         |
| QAR INSPECTION DATE |                    |           |         |

# REPAIR ORDER M240039255 REPORT

COMMENTS

ORDER

R 95-10970

INITIAL CUSTOMER ORDER NO.

FJB

W/10X SCOPE SNIPER W/DEPLOYMENT KIT  
ATTN: FRED MARTIN *scope s/n 90 1061*

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

03/30/95

03/31/95

WJ 8-89

C6348827

700

7.62

NATO

ACCESSORIES

SLING STRAP

SCOPE MNTS

SCOPE BASE

HARD CASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON AL 36201-5025

COMMANDER (W52H094138H226)  
DEFENSE DIST DEPOT ANNISTON  
ATTN DDAA-UR BLDG 112  
ANNISTON AL 36201-5025

CUST NO: 098397 C.O.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

*New Barrel*

*Stock, Firing Pin Assy*

*Trig. assy*

*Front & Rear Sight Assy*

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

BARBER - M24 0639255

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6348827

DATE 7-10-96

TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.30             | 2.44                     | 2.37                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.50             | 2.46                     | 2.74                           |                                                                        |
| PULL #3 | 2.22             | 2.50                     | 2.73                           |                                                                        |
| PULL #4 | 2.44             | 2.50                     | 2.48                           |                                                                        |
| PULL #5 | 2.45             | 2.68                     | 2.55                           |                                                                        |
| TOTAL   | 11.91            | 12.58                    | 12.87                          |                                                                        |
| AVG.    | 2.38             | 2.51                     | 2.57                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.13             | 3.06                     |          |
| PULL #2 | 3.09             | 3.09                     |          |
| PULL #3 | 3.16             | 3.14                     |          |
| PULL #4 | 3.00             | 2.97                     |          |
| PULL #5 | 3.18             | 3.09                     |          |
| TOTAL   | 15.56            | 15.37                    |          |
| AVG.    | 3.11             | 3.07                     |          |

|         | 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 | 4.23             | 4.14                     |                                | 4.34                                 |
| PULL #2 | 4.18             | 4.14                     |                                | 4.35                                 |
| PULL #3 | 4.02             | 3.87                     |                                | 4.29                                 |
| PULL #4 | 4.26             | 4.00                     |                                | 4.48                                 |
| PULL #5 | 4.00             | 3.92                     |                                | 4.31                                 |
| TOTAL   | 20.69            | 20.07                    |                                | 21.77                                |
| AVG.    | 4.13             | 4.01                     |                                | 4.35                                 |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

| OP. #        | OP. NAME                                                       | READINGS | DATE | INITIAL |
|--------------|----------------------------------------------------------------|----------|------|---------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          |      |         |
| 600          | Proof                                                          |          |      |         |
| 607.         | Check Headspace                                                |          |      |         |
| 610          | Dis-assemble Gun                                               |          |      |         |
| 612          | Magnaflux Barrel<br>Action                                     |          |      |         |
|              | Magnaflux Bolt                                                 |          |      |         |
| 615          | Rollmark Caliber                                               |          |      |         |
| 617          | Drill and Tap Sight Holes                                      |          |      |         |
| 618          | Polish Barrel                                                  |          |      |         |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |      |         |
|              | Apply Coating (Bolt)                                           |          |      |         |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          |      |         |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |      |         |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |      |         |
|              | D) Oil Firing Pin Ass'y                                        |          |      |         |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |      |         |

| op. #        | OP. NAME                                                    | READINGS                         | DATE   | INIT |
|--------------|-------------------------------------------------------------|----------------------------------|--------|------|
| 625<br>cont. | F) Safety On Force                                          | 7   7.5   7.5                    | 8/1    | SF   |
|              | G) Safety Off Force                                         | 4   3.5   4                      | 8/2    | SF   |
|              | H) Trigger Pull Test & Retainability                        |                                  |        |      |
|              | I) Firing Pin Indent                                        | .0215   .0215   .021             | 8/2    | SF   |
|              | J) Assemble Stock                                           |                                  |        |      |
|              | K) Assemble Swivel Studs                                    |                                  |        |      |
|              | L) Attach Front and Rear Sight Assemblies                   |                                  |        |      |
|              | M) Iron Sight Alignment                                     |                                  |        |      |
|              | N) Detach Front & Rear Sights & place in numbered container |                                  |        |      |
|              | O) Attach Scope to Rifle                                    |                                  |        |      |
|              | P) Detach & Attach Scope 20 Times                           |                                  |        |      |
| 640          | Gallery Target & Test                                       |                                  |        |      |
|              | A) Time                                                     |                                  |        |      |
|              | B) Malfunctions                                             |                                  |        |      |
|              | C) Pierced Primers                                          |                                  |        |      |
|              | D) Optical Clarity of Scope                                 |                                  |        |      |
| 645          | Inspect for Live Ammo                                       |                                  |        |      |
| 655          | Final Inspection                                            |                                  |        |      |
|              | A) Headspace                                                |                                  |        |      |
|              | B) Trigger Pull                                             | 2.45   2.37   2.42   2.45   2.31 | 8/1/96 | SF   |
|              | C) Function                                                 |                                  |        |      |
| 660          | Pack                                                        |                                  |        |      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06349827  
11 Jan 1980

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .321025 |
| 1 TO | 2 | .526955 |
| 1 TO | 3 | .052    |
| 1 TO | 4 | .451691 |
| 1 TO | 5 | .270298 |

243 <----POA  
45

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0884  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0294  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0931607  
THE AMR FOR THIS RIFLE IS: .9306

12 Jan 1988

FILE://PATTERNING/CENTERFIRE\_PATT/00346827

## CENTERFIRE PATTERNS

# 1

POA

1in circle

2in circle

3in circle

# OF SHOTS - 10

# IN CIR

1in = 2

2in = 6

3in = 8

CENTROID #

ME = 2.022

MD = 0.000

GS = 3.698

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

8

.771

-1.170

2.022

-1.170

.321

.036

.321

.314

1.009

2.487

2.022

3.698

3.698

2

6

9

.852

-1.170

1.020

-.887

.193

-.102

.218

.389

.781

1.176

2.022

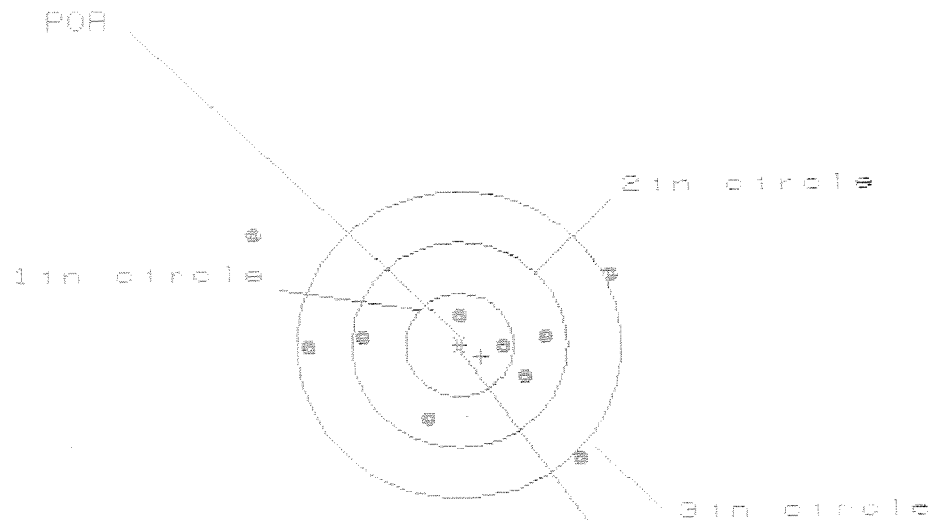
1.987

2.064

11 Jan 1968

FILE:/PATTERNING/CENTERFIRE\_PATT/06348827

## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.277

VS= 2.153

GS= 3.658

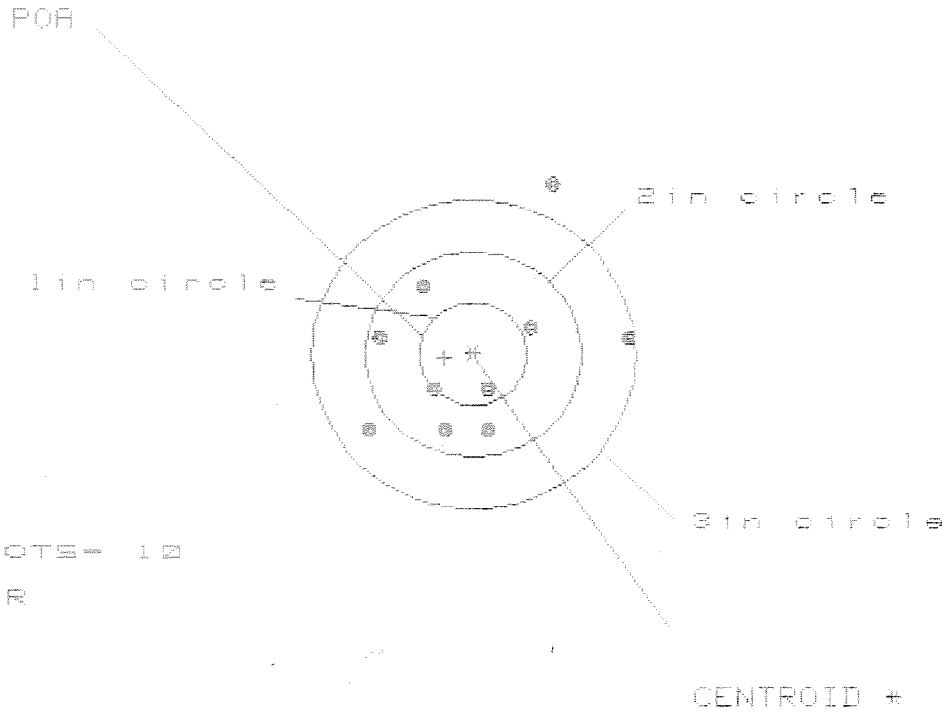
CENTROID #

| PATTERN #                   | 2      | 3      |
|-----------------------------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      |
| MAXIMUM X                   | 1.055  | 1.055  |
| MINIMUM X                   | -1.419 | -1.419 |
| MAXIMUM Y                   | 1.052  | 1.052  |
| MINIMUM Y                   | -1.080 | -1.080 |
| CENTROID X                  | -.262  | -.262  |
| CENTROID Y                  | .115   | .115   |
| POA TO CENTROID in.         | .233   | .233   |
| MIN RADIUS                  | .369   | .369   |
| MEAN RADIUS                 | 1.052  | 1.052  |
| MAX RADIUS                  | 2.133  | 2.133  |
| HORIZONTAL SPREAD           | 3.277  | 3.277  |
| VERTICAL SPREAD             | 2.153  | 2.153  |
| EXTREME SPREAD              | 3.658  | 3.658  |
| NUMBER IN ONE INCH CIRCLE   | = 2    | = 2    |
| NUMBER IN TWO INCH CIRCLE   | = 6    | = 6    |
| NUMBER IN THREE INCH CIRCLE | = 7    | = 7    |

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/08348827

## CENTERFIRE PATTERNS # 3



# OF SHOTS- 12

# IN CIR

1in - 1

2in - 7

3in = 9

HS= 2.251

VS= 2.393

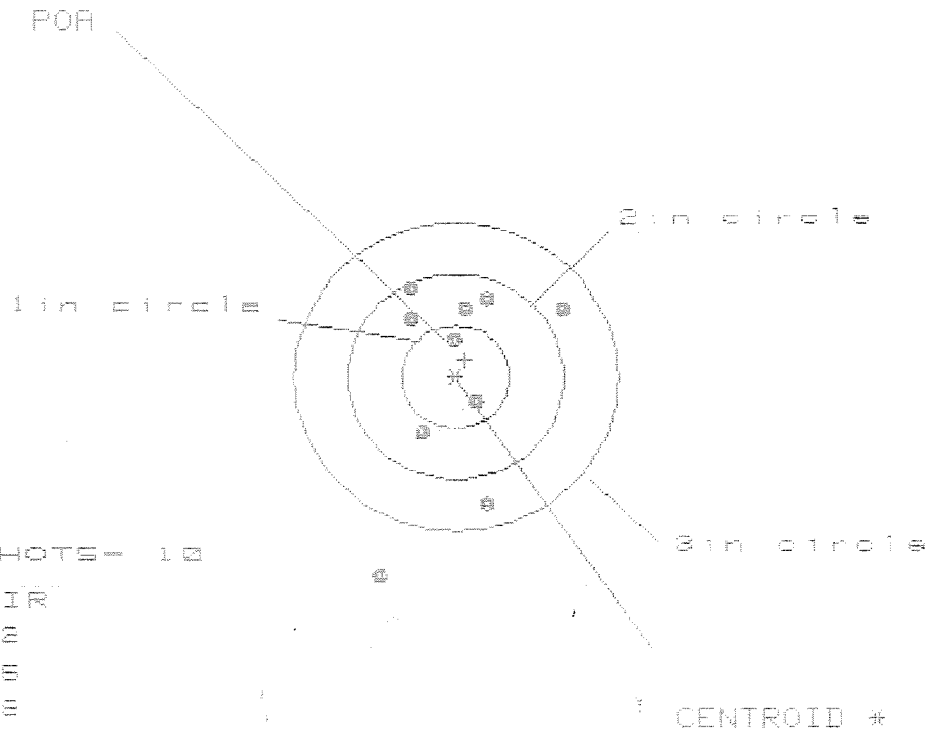
GS= 2.900

| PATTERN #                   | 1     | 2     | 3     |
|-----------------------------|-------|-------|-------|
| SHOTS (BEST OF)             | 10    | 10    | 8     |
| MAXIMUM X                   |       |       | .845  |
| MINIMUM X                   |       |       | -.697 |
| MAXIMUM Y                   |       |       | .914  |
| MINIMUM Y                   |       |       | -.514 |
| CENTROID X                  | .281  | .188  | .804  |
| CENTROID Y                  | .836  | .140  | -.186 |
| POA TO CENTROID in.         | .260  | .239  | .186  |
| MIN RADIUS                  | .407  | .302  | .161  |
| MEAN RADIUS                 | .918  | .772  | .654  |
| MAX RADIUS                  | 1.803 | 1.581 | .964  |
| HORIZONTAL SPREAD           | 2.351 | 2.351 | 1.542 |
| VERTICAL SPREAD             | 2.393 | 1.428 | 1.428 |
| EXTREME SPREAD              | 2.900 | 2.494 | 1.814 |
| NUMBER IN ONE INCH CIRCLE   | =     | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | =     | 7     |       |
| NUMBER IN THREE INCH CIRCLE | =     | 9     |       |

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06346827

## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 5

HE= 1.723

VS= 2.807

GS= 3.104

| PATTERN #                     | 4     |
|-------------------------------|-------|
| SHOTS (BEST OF)               | 5     |
| MAXIMUM X                     | .950  |
| MINIMUM X                     | -.503 |
| MAXIMUM Y                     | .508  |
| MINIMUM Y                     | -.913 |
| CENTROID X                    | -.086 |
| CENTROID Y                    | .048  |
| POA TO CENTROID in.           | .234  |
| MIN RADIUS                    | .096  |
| MEAN RADIUS                   | .579  |
| MAX RADIUS                    | .991  |
| HORIZONTAL SPREAD             | 1.453 |
| VERTICAL SPREAD               | 1.421 |
| EXTREME SPREAD                | 1.786 |
| NUMBER IN ONE INCH CIRCLE =   | 2     |
| NUMBER IN TWO INCH CIRCLE =   | 6     |
| NUMBER IN THREE INCH CIRCLE = | 9     |

Jan 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06348827

## CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.972

VS= 1.699

GS= 2.994

CENTROID #

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

8

.846

-.411

.884

-.815

.097

-.167

.193

.269

.582

.896

1.257

1.699

1.714

**Remington**  
MODEL 700™ H24

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

**DU PONT**  
REG. U.S. PAT. & TM. OFF.

**SERIAL NO.**  
06348827

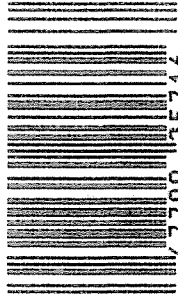
**ORDER NO.**  
5716

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



5716 06348827

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348827

| OP. #        | OP. NAME                                                       | READINGS | DATE       | INIT |
|--------------|----------------------------------------------------------------|----------|------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 8 30     | 89         | DW   |
| 600          | Proof                                                          | 8 30     | 89         | DW   |
| 607          | Check Headspace                                                | 8 30     | 89         | DW   |
| 610          | Dis-assemble Gun                                               | 8 30     | 89         | DW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 8/31/89    | KCR  |
|              | Magnaflux Bolt                                                 |          | 8/31/89    | KCR  |
| 615          | Rollmark Caliber                                               |          | 8/31/89    | KCR  |
| 7            | Drill and Tap Sight Holes                                      | 9 1      | 89         | YB   |
| 618          | Polish Barrel RB                                               | 9 1      | 89         | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 9-7-89     | TA   |
|              | Apply Coating (Bolt)                                           |          |            |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 9/6/89     | AW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 9/6/89     | AW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 9/26/89    | AW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 9/26/89    | AW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 26 Sept 89 | JS   |

| op. #        | NAME                                                        | BARBER - M24 0039228 | READINGS |       |      |     |     | DATE      | INIT |
|--------------|-------------------------------------------------------------|----------------------|----------|-------|------|-----|-----|-----------|------|
| 625<br>cont. | F) Safety On Force                                          |                      | 5        | 5     | 5    |     |     | 9/26/89   | JS   |
|              | G) Safety Off Force                                         |                      | 4        | 4     | 4    |     |     | 9/26/89   | JS   |
|              | H) Trigger Pull Test & Retainability                        |                      |          |       |      |     |     | 26 Sep 89 | JS   |
|              | I) Firing Pin Indent                                        |                      | .0215    | .0215 | .021 |     |     | 9/24/89   | JS   |
|              | J) Assemble Stock                                           |                      |          |       |      |     |     | 9/27/89   | RW   |
|              | K) Assemble Swivel Studs                                    |                      |          |       |      |     |     | 29 Sep 89 | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |                      |          |       |      |     |     | 9/27/89   | RW   |
|              | M) Iron Sight Alignment                                     |                      |          |       |      |     |     | 9/27/89   | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |                      |          |       |      |     |     | 9/27/89   | RW   |
|              | O) Attach Scope to Rifle                                    |                      |          |       |      |     |     | 9/27/89   | JS   |
|              | P) Detach & Attach Scope 20 Times                           |                      |          |       |      |     |     | 9/27/89   | JS   |
| 640          | Gallery Target & Test                                       |                      |          |       |      |     |     | 9-28-89   | DH   |
|              | A) Time                                                     |                      |          |       |      |     |     | 9-28-89   | DH   |
|              | B) Malfunctions                                             |                      |          |       |      |     |     | 9-28-89   | DH   |
|              | C) Pierced Primers                                          |                      |          |       |      |     |     | 9-28-89   | DH   |
|              | D) Optical Clarity of Scope                                 |                      |          |       |      |     |     | 9-28-89   | DH   |
| 645          | Inspect for Live Ammo                                       |                      |          |       |      |     |     | 9-28-89   | DH   |
| 655          | Final Inspection                                            |                      |          |       |      |     |     |           |      |
|              | A) Headspace                                                |                      |          |       |      |     |     | 29 Sep 89 | JS   |
|              | B) Trigger Pull                                             |                      | 244      | 242   | 253  | 264 | 261 | 29 Sep 89 | JS   |
|              | C) Function                                                 |                      |          |       |      |     |     | 29 Sep 89 | JS   |
| 660          | Pack                                                        |                      |          |       |      |     |     | 15 Dec 89 | JS   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#  
3.00# + .75#  
4.00# + 1.00#

SERIAL NO. CG39 8827

DATE 13 March 90

TESTER JDS

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 232              | 225                      | 244                            | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 232              | 232                      | 240                            |                                                                        |
| PULL #3 | 232              | 233                      | 240                            |                                                                        |
| PULL #4 | 230              | 231                      | 235                            |                                                                        |
| PULL #5 | 231              | 230                      | 238                            |                                                                        |
| TOTAL   | 1157             | 1151                     |                                |                                                                        |
| AVG.    | 231.4            | 230.2                    |                                |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 290              | 292                      |          |
| PULL #2 | 296              | 294                      |          |
| PULL #3 | 295              | 294                      |          |
| PULL #4 | 300              | 292                      |          |
| PULL #5 | 298              | 298                      |          |
| TOTAL   | 1479             | 1470                     |          |
| AVG.    | 295.8            | 294.0                    |          |

|         | 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 | 419              | 414                      |                                |                                      |
| PULL #2 | 413              | 406                      |                                |                                      |
| PULL #3 | 414              | 405                      |                                |                                      |
| PULL #4 | 408              | 410                      |                                |                                      |
| PULL #5 | 414              | 406                      |                                |                                      |
| TOTAL   | 2068             | 2041                     |                                |                                      |
| AVG.    | 413.6            | 408.2                    |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06348827  
28 Sep 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .201777 |
| 1 TO | 2 | .461736 |
| 1 TO | 3 | .608741 |
| 1 TO | 4 | .547877 |
| 1 TO | 5 | .369543 |

2 1/2 ft <----POA  
3 5  
4

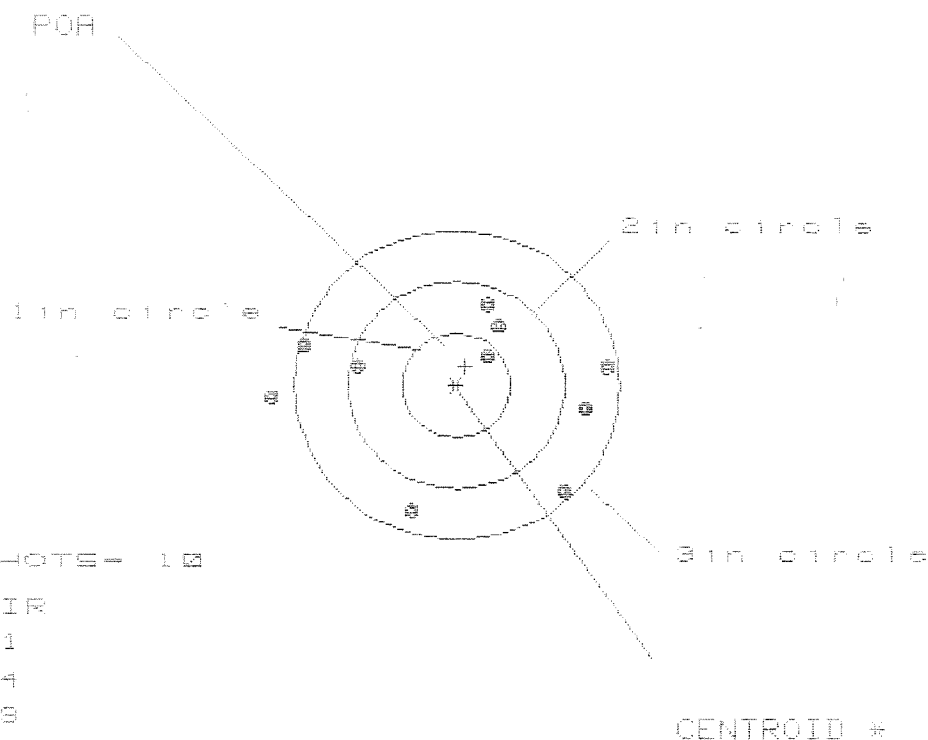
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3988  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3896  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .58487  
THE AMR FOR THIS RIFLE IS: 1.152

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06340827

## CENTERFIRE PATTERNS

# 1



# OF SHOTS- 10

# IN CIR

1:0 = 1

2:0 = 4

3:0 = 9

HS= 3.036

VS= 1.993

GS= 3.054

PATTERN #

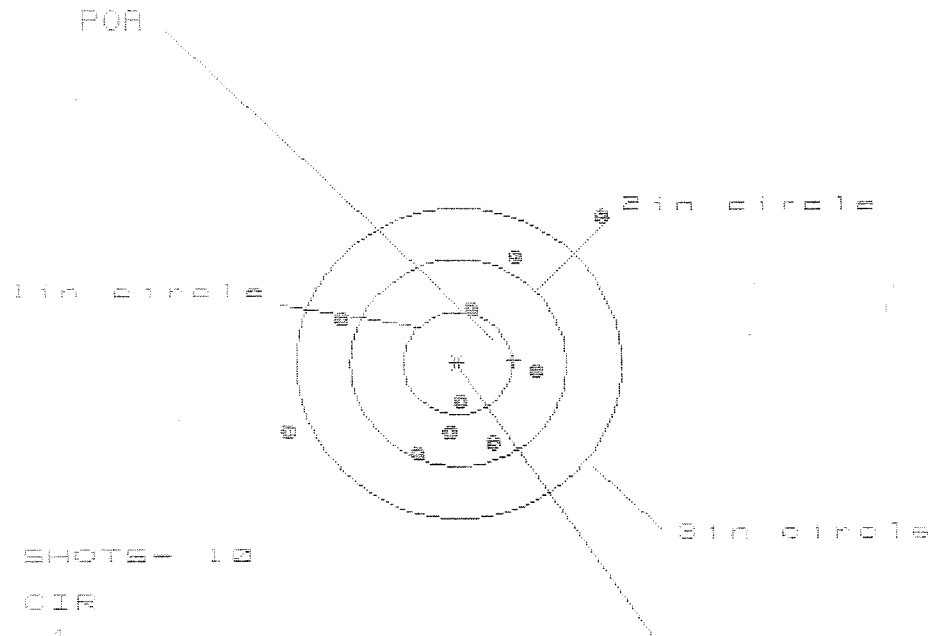
1

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.358  | 1.172  | .973   |
| MINIMUM X                   | : | -1.678 | -1.586 | -1.310 |
| MAXIMUM Y                   | : | .821   | .805   | .850   |
| MINIMUM Y                   | : | -1.172 | -1.188 | -1.143 |
| CENTROID X                  | : | -.085  | .101   | .299   |
| CENTROID Y                  | : | -.183  | -.167  | -.212  |
| POA TO CENTROID in.         | : | .201   | .195   | .367   |
| MIN RADIUS                  | : | .457   | .337   | .360   |
| MEAN RADIUS                 | : | 1.129  | 1.034  | .938   |
| MAX RADIUS                  | : | 1.684  | 1.628  | 1.408  |
| HORIZONTAL SPREAD           | : | 3.036  | 2.758  | 2.284  |
| VERTICAL SPREAD             | : | 1.993  | 1.993  | 1.993  |
| EXTREME SPREAD              | : | 3.054  | 2.764  | 2.284  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08348827

## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 6

3 in = 3

HS= 2.894

VS= 2.297

GS= 3.568

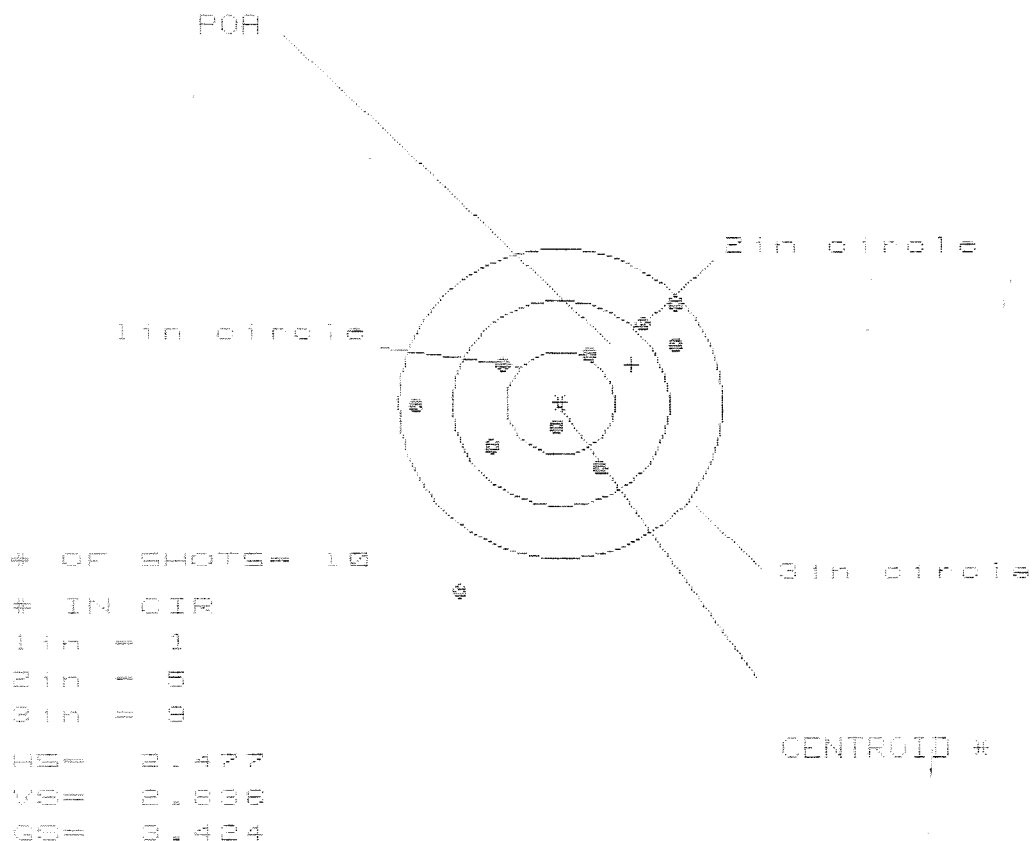
CENTROID \*

| PATTERN #                   | 1      | 2      | 3      |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.344  | .874   | .699   |
| MINIMUM X                   | -1.550 | -1.400 | -1.096 |
| MAXIMUM Y                   | 1.428  | 1.194  | 1.133  |
| MINIMUM Y                   | -.869  | -.711  | -.772  |
| CENTROID X                  | -.521  | -.671  | -.496  |
| CENTROID Y                  | -.031  | -.189  | -.128  |
| POA TO CENTROID in.         | .522   | .697   | .512   |
| MIN RADIUS                  | .367   | .242   | .273   |
| MEAN RADIUS                 | 1.004  | .870   | .779   |
| MAX RADIUS                  | 1.961  | 1.482  | 1.254  |
| HORIZONTAL SPREAD           | 2.894  | 2.274  | 1.795  |
| VERTICAL SPREAD             | 2.297  | 1.905  | 1.905  |
| EXTREME SPREAD              | 3.568  | 2.700  | 2.127  |
| NUMBER IN ONE INCH CIRCLE   | =      | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 6      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 8      |        |

28 Sep 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06348827

## CENTERFIRE PATTERNS # 3



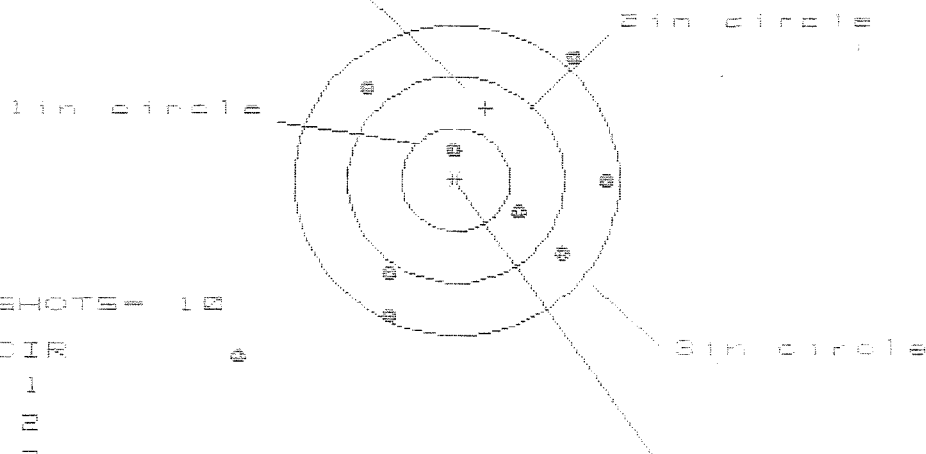
| PATTERN #                   | 3      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | 1.098  |
| MINIMUM X                   | -1.379 |
| MAXIMUM Y                   | .973   |
| MINIMUM Y                   | -1.863 |
| CENTROID X                  | -.662  |
| CENTROID Y                  | -.377  |
| POA TO CENTROID in.         | .762   |
| MIN RADIUS                  | .231   |
| MEAN RADIUS                 | 1.005  |
| MAX RADIUS                  | 2.069  |
| HORIZONTAL SPREAD           | 2.477  |
| VERTICAL SPREAD             | 2.836  |
| EXTREME SPREAD              | 3.424  |
| NUMBER IN ONE INCH CIRCLE   | 1      |
| NUMBER IN TWO INCH CIRCLE   | 5      |
| NUMBER IN THREE INCH CIRCLE | 9      |

28 Sep 1985

FILE:/PATTERNING/CENTERFIRE\_PATT/09346827

## CENTERFIRE PATTERNS # 4

FOR



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 2.354

VS= 4.179

GS= 4.638

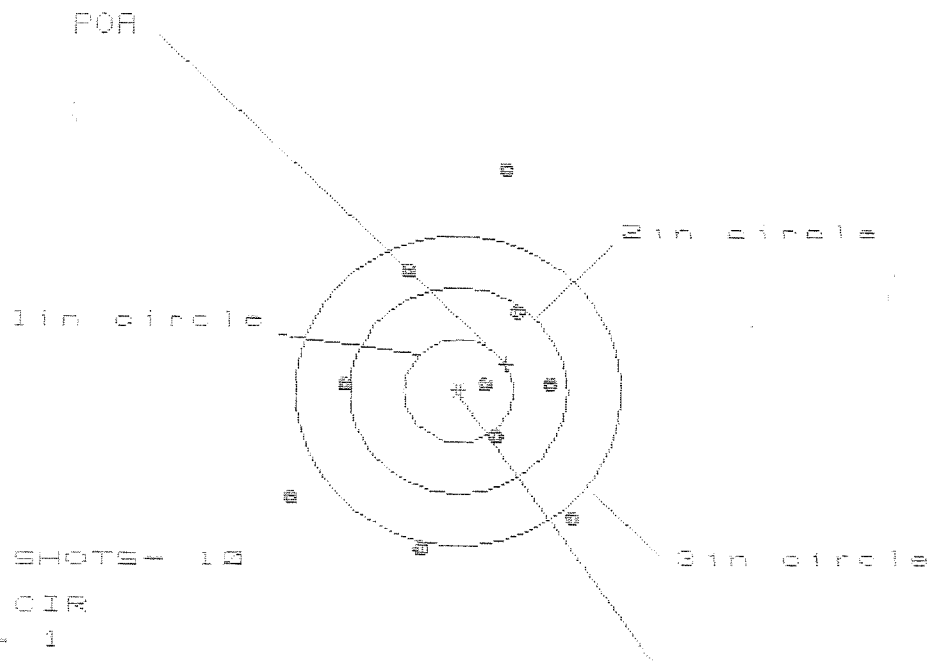
CENTROID +

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.379  | 1.159  | 1.135  |
| MINIMUM X                     | -1.984 | -1.042 | -1.066 |
| MAXIMUM Y                     | 2.496  | 2.369  | 1.334  |
| MINIMUM Y                     | -1.683 | -1.541 | -1.252 |
| CENTROID X                    | -1.280 | -0.060 | -0.036 |
| CENTROID Y                    | -0.695 | -0.508 | -0.797 |
| FOR TO CENTROID in.           | .749   | .512   | .797   |
| MIN RADIUS                    | .323   | .274   | .282   |
| MEAN RADIUS                   | 1.411  | 1.257  | 1.090  |
| MAX RADIUS                    | 2.601  | 2.317  | 1.600  |
| HORIZONTAL SPREAD             | 3.363  | 2.201  | 2.201  |
| VERTICAL SPREAD               | 4.179  | 3.850  | 2.586  |
| EXTREME SPREAD                | 4.638  | 3.906  | 3.129  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

26 Sep 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06348827

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 2.575

VS= 3.710

GS= 3.786

CENTROID \*

| PATTERN #                     | 5      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.024  | 1.071  | .883   |
| MINIMUM X                     | -1.551 | -1.504 | -1.207 |
| MAXIMUM Y                     | 2.162  | 1.358  | 1.262  |
| MINIMUM Y                     | -1.548 | -1.308 | -1.404 |
| CENTROID X                    | -.446  | -.493  | -.305  |
| CENTROID Y                    | -.262  | -.502  | -.406  |
| POA TO CENTROID in.           | .517   | .704   | .508   |
| MIN RADIUS                    | .233   | .391   | .200   |
| MEAN RADIUS                   | 1.213  | 1.105  | .979   |
| MAX RADIUS                    | 2.203  | 1.691  | 1.481  |
| HORIZONTAL SPREAD             | 2.575  | 2.575  | 2.090  |
| VERTICAL SPREAD               | 3.710  | 2.666  | 2.666  |
| EXTREME SPREAD                | 3.786  | 2.803  | 2.803  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 6      |        |        |