

Remington

65594597

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.



**Remington®**  
RES. U.S. PAT. & TM. OFF.

**DUPONT**

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

MODEL 700™ M24

SERIAL NO.  
C6594537

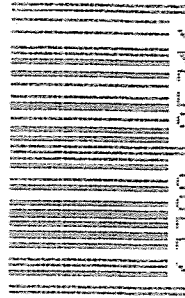
ORDER NO.  
5716

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



5716 C6594537

UPC



0 47700 25716 2

Boat Plug  
rubs on  
Receiver

(over size)

~~#~~  
REPAIRED  
3-22-KS-91

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C 6594597*

| OP. #        | OP. NAME                                                       | READINGS | DATE            | INIT        |
|--------------|----------------------------------------------------------------|----------|-----------------|-------------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | <i>10/30/90</i> | <i>Kd</i>   |
| 600          | Proof                                                          |          | <i>10/30/90</i> | <i>Kd</i>   |
| 607          | Check Headspace                                                |          | <i>10/30/90</i> | <i>Kd</i>   |
| 610          | Dis-assemble Gun                                               |          | <i>10/30/90</i> | <i>Kd</i>   |
| 612          | Magnaflux Barrel<br>Action                                     |          | <i>11/1/90</i>  | <i>KCR</i>  |
|              | Magnaflux Bolt                                                 |          | <i>11/1/90</i>  | <i>KCR</i>  |
| 615          | Rollmark Caliber                                               |          | <i>11/1/90</i>  | <i>GS</i>   |
| 617          | Drill and Tap Sight Holes                                      |          | <i>11/6/90</i>  | <i>FSB</i>  |
| 618          | Polish Barrel <i>Rob</i>                                       |          | <i>11/7/90</i>  | <i>WSB</i>  |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | <i>11-20-90</i> | <i>JA</i>   |
|              | Apply Coating (Bolt)                                           |          |                 |             |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | <i>12/28/90</i> | <i>K.S.</i> |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | <i>12/28/90</i> | <i>K.S.</i> |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | <i>12/28/90</i> | <i>K.S.</i> |
|              | D) Oil Firing Pin Ass'y                                        |          | <i>12/28/90</i> | <i>K.S.</i> |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | <i>1-3-91</i>   | <i>JA</i>   |

| op. #        | OP. NAME                                                    | READINGS                 | DATE    | INIT |
|--------------|-------------------------------------------------------------|--------------------------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6.00 6.25 6.00           | 1/2/91  | KT   |
|              | G) Safety Off Force                                         | 3.00 3.50 3.50           | 1/2/91  | KT   |
|              | H) Trigger Pull Test & Retainability                        |                          | 1-3-91  | JU   |
|              | I) Firing Pin Indent                                        | .021 .021 .021           |         | KT   |
|              | J) Assemble Stock                                           |                          | 1-16-91 | KS   |
|              | K) Assemble Swivel Studs                                    |                          | 2-1-91  | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |                          | 1-16-91 | KS   |
|              | M) Iron Sight Alignment                                     |                          | 1-16-91 | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |                          | 1-16-91 | KS   |
|              | O) Attach Scope to Rifle                                    |                          | 1-16-91 | KS   |
|              | P) Detach & Attach Scope 20 Times                           |                          | 1-16-91 | KS   |
| 640          | Gallery Target & Test                                       |                          | 1/17/91 | AF   |
|              | A) Time                                                     |                          | "       | AF   |
|              | B) Malfunctions                                             |                          | "       | AF   |
|              | C) Pierced Primers                                          |                          | "       | AF   |
|              | D) Optical Clarity of Scope                                 |                          | "       | AF   |
| 645          | Inspect for Live Ammo                                       |                          | 1/17/91 | AF   |
| 655          | Final Inspection                                            |                          |         |      |
|              | A) Headspace                                                |                          | 2-1-91  | AC   |
|              | B) Trigger Pull                                             | 2.50 2.35 2.38 2.31 2.35 | 1-23-91 | JU   |
|              | C) Function                                                 |                          | 2-1-91  | AC   |
| 660          | Pack                                                        |                          | 6-17-91 | AF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594597

DATE 1-3-91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.24             | 2.24                     | 2.30                           | 2.50 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.36             | 2.48                     | 2.34                           | 2.35 |                                                                        |
| PULL #3 | 2.32             | 2.27                     | 2.28                           | 2.38 |                                                                        |
| PULL #4 | 2.33             | 2.34                     | 2.40                           | 2.31 |                                                                        |
| PULL #5 | 2.40             | 2.23                     | 2.40                           | 2.35 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.24             | 3.49                     |  |          |
| PULL #2 | 3.20             | 3.50                     |  |          |
| PULL #3 | 3.22             | 3.48                     |  |          |
| PULL #4 | 3.32             | 3.49                     |  |          |
| PULL #5 | 3.35             | 3.43                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 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 | 4.31             | 4.42                     |                                | 4.10                                 |
| PULL #2 | 4.50             | 4.49                     |                                | 4.32                                 |
| PULL #3 | 4.45             | 4.20                     |                                | 4.34                                 |
| PULL #4 | 4.42             | 4.27                     |                                | 4.40                                 |
| PULL #5 | 4.36             | 4.31                     |                                | 4.42                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6594597

18 Jan 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .260342 |
| 1 TO | 2 | .186253 |
| 1 TO | 3 | .855704 |
| 1 TO | 4 | .23658  |
| 1 TO | 5 | .160378 |

# 3 <----POA

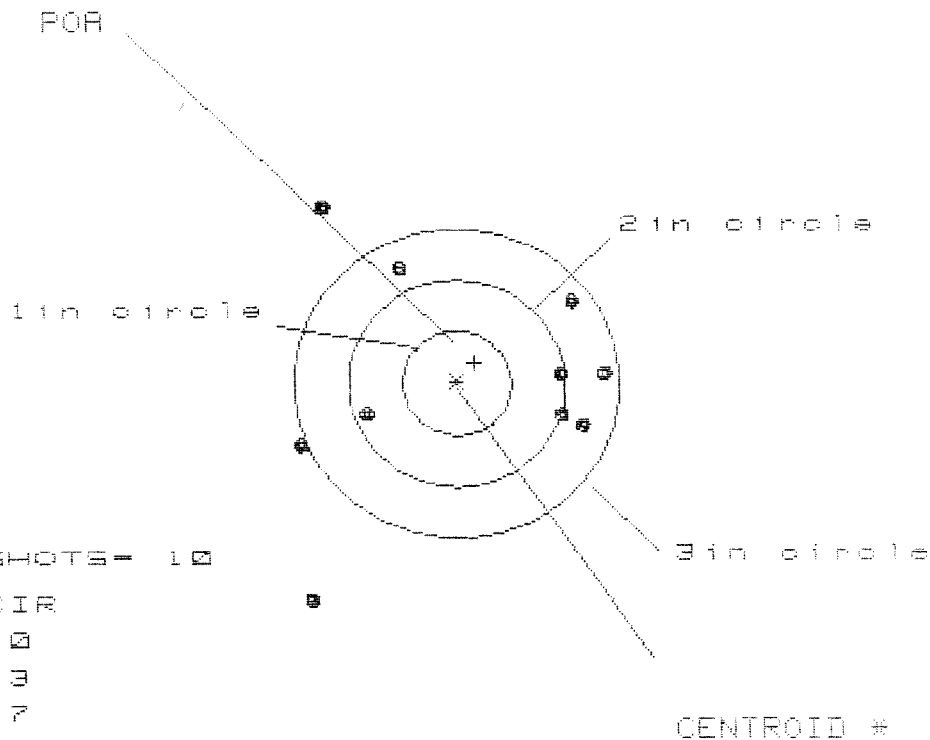
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .014  
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0044  
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0146751

THE AMR FOR THIS RIFLE IS: 1.041

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/08594597

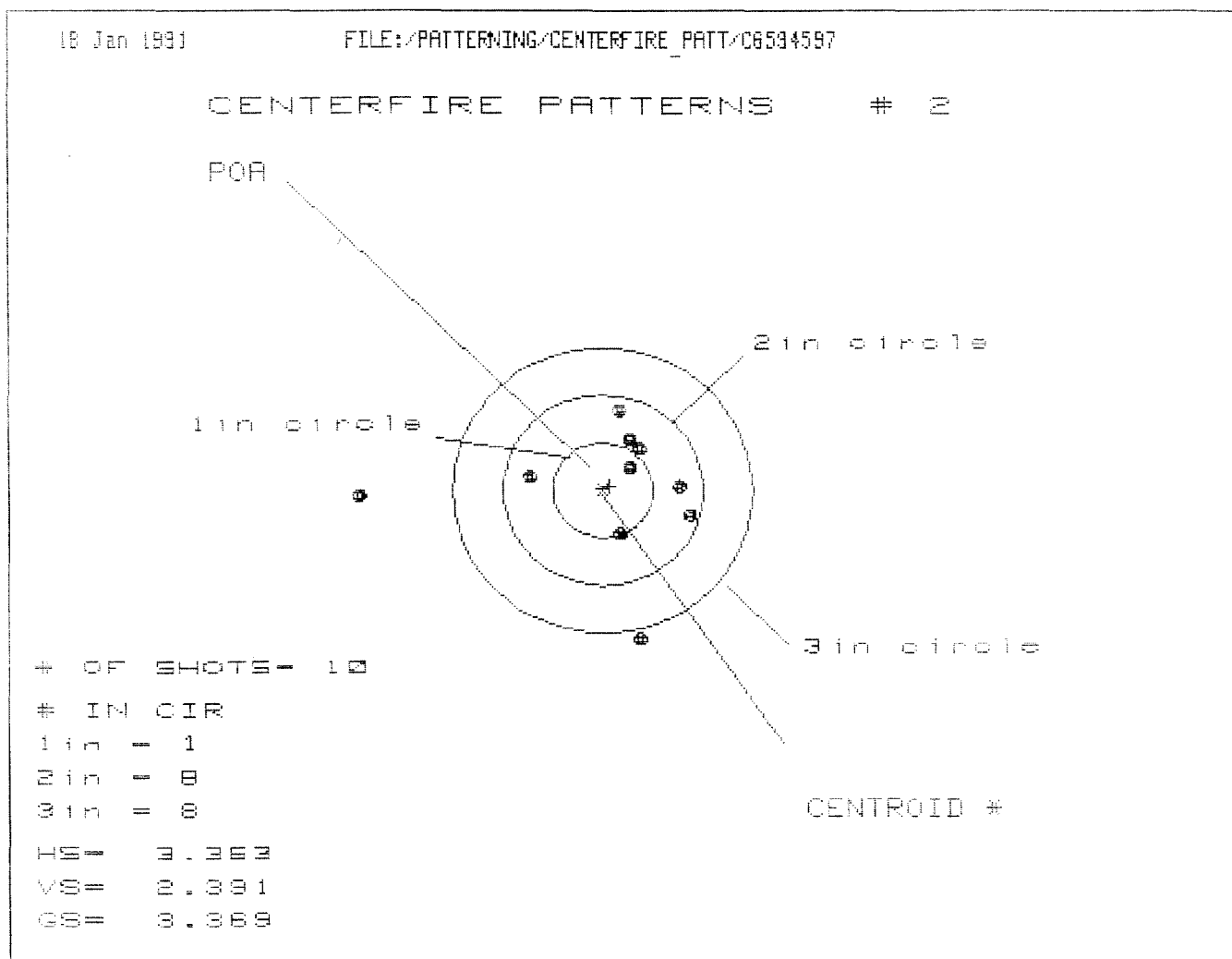
## CENTERFIRE PATTERNS # 1



HS = 2.857  
 VS = 3.767  
 GS = 3.782

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.398  | 1.236  | 1.059  |
| MINIMUM X                     | -1.467 | -1.621 | -1.798 |
| MAXIMUM Y                     | 1.678  | 1.437  | 1.045  |
| MINIMUM Y                     | -2.097 | -0.879 | -0.699 |
| CENTROID X                    | -0.163 | -0.009 | 0.158  |
| CENTROID Y                    | -0.203 | 0.030  | -0.150 |
| POA TO CENTROID in.           | 0.260  | 0.031  | 0.225  |
| MIN RADIUS                    | 0.922  | 0.791  | 0.597  |
| MEAN RADIUS                   | 1.420  | 1.259  | 1.108  |
| MAX RADIUS                    | 2.513  | 2.016  | 1.929  |
| HORIZONTAL SPREAD             | 2.857  | 2.857  | 2.857  |
| VERTICAL SPREAD               | 3.767  | 2.916  | 1.744  |
| EXTREME SPREAD                | 3.782  | 3.229  | 2.954  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |



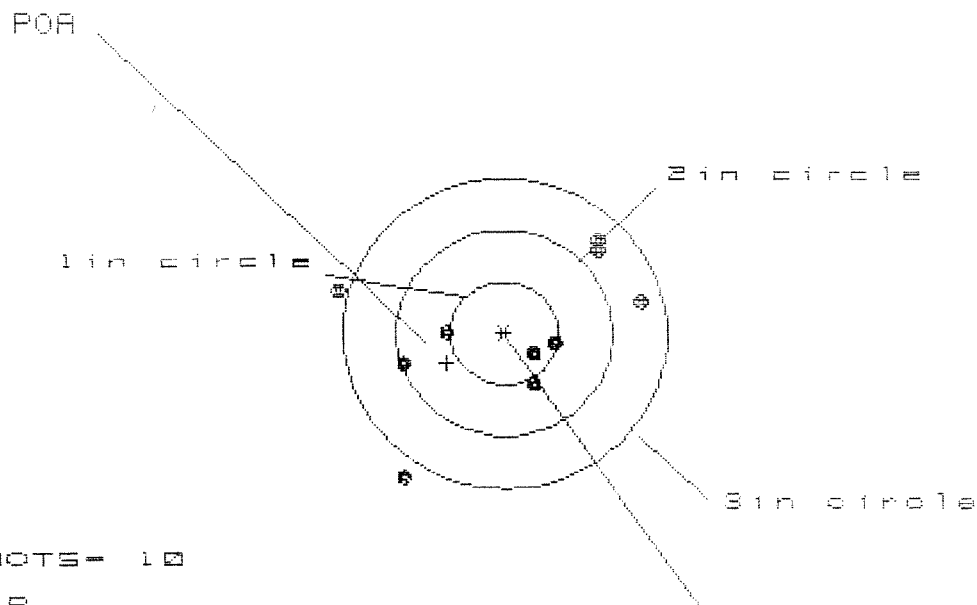


| PATTERN #                     | 10     | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .890   | .615   | .621  |
| MINIMUM X                     | -2.473 | -.999  | -.993 |
| MAXIMUM Y                     | .865   | .859   | .667  |
| MINIMUM Y                     | -1.526 | -1.532 | -.691 |
| CENTROID X                    | -.066  | .209   | .203  |
| CENTROID Y                    | -.044  | -.038  | .154  |
| POA TO CENTROID in.           | .079   | .212   | .255  |
| MIN RADIUS                    | .355   | .208   | .022  |
| MEAN RADIUS                   | .943   | .701   | .541  |
| MAX RADIUS                    | 2.474  | 1.533  | .995  |
| HORIZONTAL SPREAD             | 3.363  | 1.614  | 1.614 |
| VERTICAL SPREAD               | 2.391  | 2.391  | 1.358 |
| EXTREME SPREAD                | 3.369  | 2.397  | 1.660 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 8      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |       |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 2.738

VS= 2.246

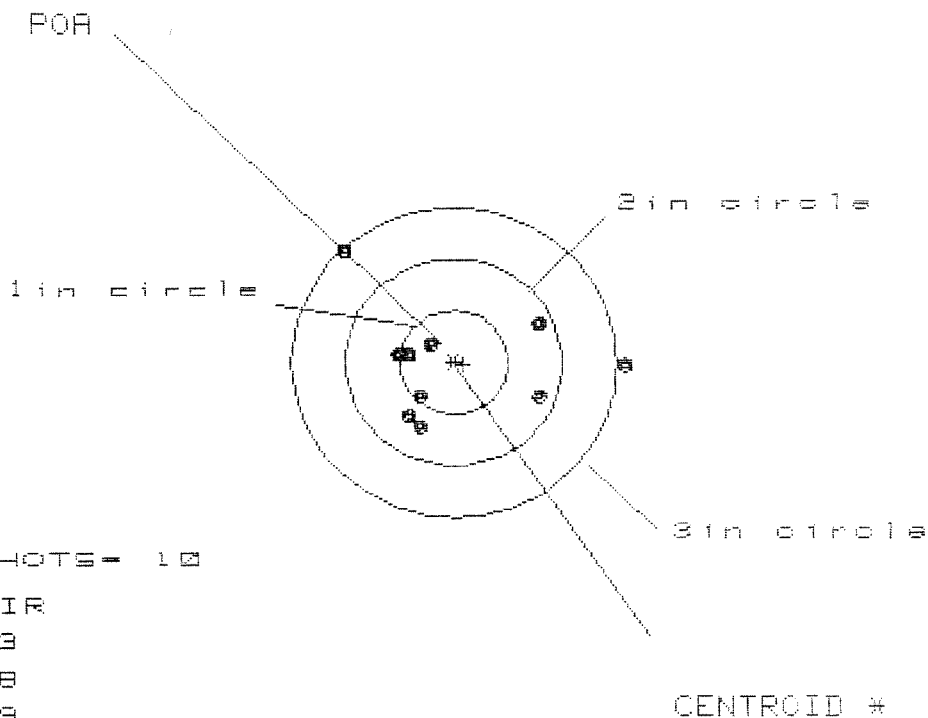
GS= 2.929

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.238  | 1.129  | .927   |
| MINIMUM X                   | : | -1.500 | -1.609 | -1.288 |
| MAXIMUM Y                   | : | .859   | .785   | .740   |
| MINIMUM Y                   | : | -1.387 | -.601  | -.566  |
| CENTROID X                  | : | .535   | .644   | .846   |
| CENTROID Y                  | : | .292   | .446   | .411   |
| POA TO CENTROID in.         | : | .610   | .784   | .940   |
| MIN RADIUS                  | : | .360   | .416   | .247   |
| MEAN RADIUS                 | : | .987   | .965   | .772   |
| MAX RADIUS                  | : | 1.698  | 1.634  | 1.361  |
| HORIZONTAL SPREAD           | : | 2.738  | 2.738  | 2.216  |
| VERTICAL SPREAD             | : | 2.246  | 1.306  | 1.306  |
| EXTREME SPREAD              | : | 2.929  | 2.740  | 2.310  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 2.547

VS = 1.664

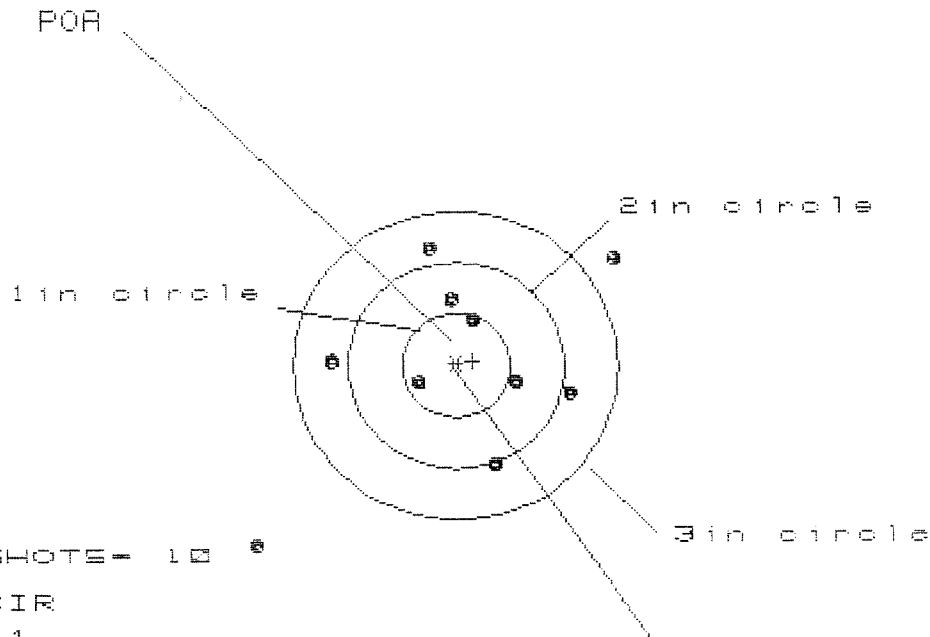
GS = 2.776

| PATTERN #                   | : | 4      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.539  | .985  | .881  |
| MINIMUM X                   | : | -1.008 | -.837 | -.470 |
| MAXIMUM Y                   | : | 1.081  | 1.079 | .560  |
| MINIMUM Y                   | : | -.583  | -.585 | -.450 |
| CENTROID X                  | : | -.084  | -.255 | -.151 |
| CENTROID Y                  | : | .020   | .022  | -.113 |
| POA TO CENTROID in.         | : | .087   | .256  | .188  |
| MIN RADIUS                  | : | .247   | .164  | .303  |
| MEAN RADIUS                 | : | .767   | .631  | .549  |
| MAX RADIUS                  | : | 1.540  | 1.365 | .982  |
| HORIZONTAL SPREAD           | : | 2.547  | 1.822 | 1.351 |
| VERTICAL SPREAD             | : | 1.664  | 1.664 | 1.011 |
| EXTREME SPREAD              | : | 2.776  | 2.300 | 1.495 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 3.267

VS = 2.908

GS = 4.324

CENTROID #

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | 1.435  |
| MINIMUM X                     | -1.831 |
| MAXIMUM Y                     | 1.129  |
| MINIMUM Y                     | -1.779 |
| CENTROID X                    | -0.152 |
| CENTROID Y                    | -0.043 |
| POA TO CENTROID in.           | 0.158  |
| MIN RADIUS                    | 0.378  |
| MEAN RADIUS                   | 1.088  |
| MAX RADIUS                    | 2.553  |
| HORIZONTAL SPREAD             | 3.267  |
| VERTICAL SPREAD               | 2.908  |
| EXTREME SPREAD                | 4.324  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |
| NUMBER IN TWO INCH CIRCLE =   | 4      |
| NUMBER IN THREE INCH CIRCLE = | 8      |