

C6522320

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

*Smead*®




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

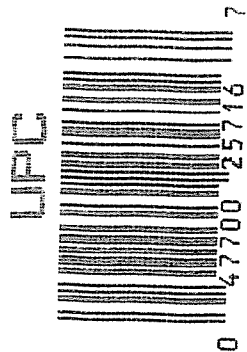
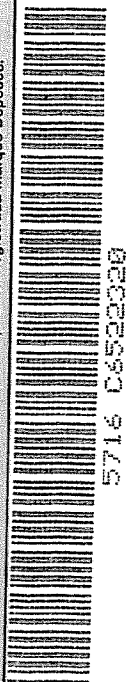
MODEL 700™ M24

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

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

SERIAL NO.  
C6522320

ORDER NO.  
5716





CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522320

| OP. #     | OP. NAME                                                 | READINGS | DATE    | INIT |
|-----------|----------------------------------------------------------|----------|---------|------|
| 575 & 580 | Assemble Action and Stock                                | 7 12 90  |         | RW   |
| 600       | Proof                                                    | 7 12 90  |         | RW   |
| 607       | Check Headspace                                          | 7. 12 90 |         | RW   |
| 610       | Dis-assemble Gun                                         | 7. 12 90 |         | RW   |
| 612       | Magnaflux Barrel Action                                  |          | 7-17-90 | KR   |
|           | Magnaflux Bolt                                           |          | 7-17-90 | KR   |
| 615       | Rollmark Caliber                                         |          | 7-17-90 | R.S. |
| 617       | Drill and Tap Sight Holes                                |          | 7/23/90 | LB   |
| 618       | Polish Barrel RB                                         |          | 7/24/90 | LB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 8/6/90  | JA   |
|           | Apply Coating (Bolt)                                     |          | 8/6/90  | JA   |
| 625       | Final Assembly<br>A) Clean inside of Bolt Assembly       |          | 8/8/90  | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 8/8/90  | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 8/8/90  | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 8/8/90  | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 8/27/90 | JA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 3/4 | 4 1/2 |     |     | 8/24/90  | WB   |
|              | G) Safety Off Force                                         | 2 1/4    | 2 1/4 | 2 1/4 |     |     | 8/24/90  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 8/27/90  | JH   |
|              | I) Firing Pin Indent                                        | .0235    | .0235 | .0235 |     |     | 8/24/90  | WB   |
|              | J) Assemble Stock                                           |          |       |       |     |     | 8/27/90  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 10/30/90 | QD   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 8/27/90  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 8/27/90  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 8/27/90  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 8/27/90  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 8/27/90  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 8/24/90  | DH   |
|              | A) Time                                                     |          |       |       |     |     | 8/24/90  | DH   |
|              | B) Malfunctions                                             |          |       |       |     |     | 8/24/90  | DH   |
|              | C) Pierced Primers                                          |          |       |       |     |     | 8/24/90  | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 8/24/90  | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 8/24/90  | DH   |
| 655          | Final Inspection                                            |          |       |       |     |     |          |      |
|              | A) Headspace                                                |          |       |       |     |     | 10/30/90 | QD   |
|              | B) Trigger Pull                                             | 272      | 263   | 274   | 282 | 274 | 10/30/90 | QD   |
|              | C) Function                                                 |          |       |       |     |     | 10/30/90 | QD   |
| 660          | Pack                                                        |          |       |       |     |     | 12/12/90 | VF   |

SWS TRIGGER PULL TEST

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

SERIAL NO C6522320

DATE 8/25/90

TESTER JLI

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 2.15             | 2.51                     | 2.52                           | 272 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.20             | 2.49                     | 2.50                           | 263 |                                                                        |
| PULL #3 | 2.50             | 2.48                     | 2.36                           | 274 |                                                                        |
| PULL #4 | 2.50             | 2.35                     | 2.31                           | 282 |                                                                        |
| PULL #5 | 2.37             | 2.30                     | 2.46                           | 274 |                                                                        |
| TOTAL   | 11.72            | 12.13                    | 12.15                          |     |                                                                        |
| AVG.    | 2.344            | 2.426                    | 2.43                           |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.42             | 3.45                     |  |          |
| PULL #2 | 3.28             | 3.44                     |  |          |
| PULL #3 | 3.33             | 3.42                     |  |          |
| PULL #4 | 3.46             | 3.38                     |  |          |
| PULL #5 | 3.48             | 3.51                     |  |          |
| TOTAL   | 16.97            | 17.20                    |  |          |
| AVG.    | 3.394            | 3.44                     |  |          |

|         | 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 | 4.22             | 4.30                     |                                | 4.08                                 |
| PULL #2 | 4.16             | 4.25                     |                                | 4.17                                 |
| PULL #3 | 4.29             | 4.17                     |                                | 4.25                                 |
| PULL #4 | 4.18             | 4.28                     |                                | 4.28                                 |
| PULL #5 | 4.27             | 4.29                     |                                | 4.22                                 |
| TOTAL   | 21.04            | 21.29                    |                                | 21.00                                |
| AVG.    | 4.208            | 4.258                    |                                | 4.2                                  |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06522320  
8 Oct 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .625902 |
| 1 TO | 2 | .777088 |
| 1 TO | 3 | .317    |
| 1 TO | 4 | .322758 |
| 1 TO | 5 | 1.01757 |

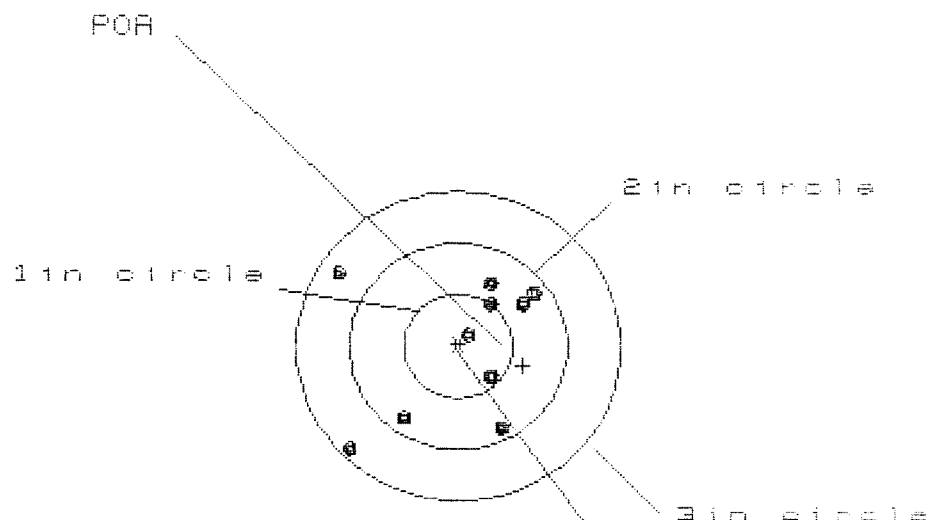
$\frac{1}{5} \sum_{i=1}^5 x_i^2$  -----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2054  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1442  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .250964  
THE AMR FOR THIS RIFLE IS: .8524

8 Oct 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8522328

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.832

VS= 1.712

GS= 2.363

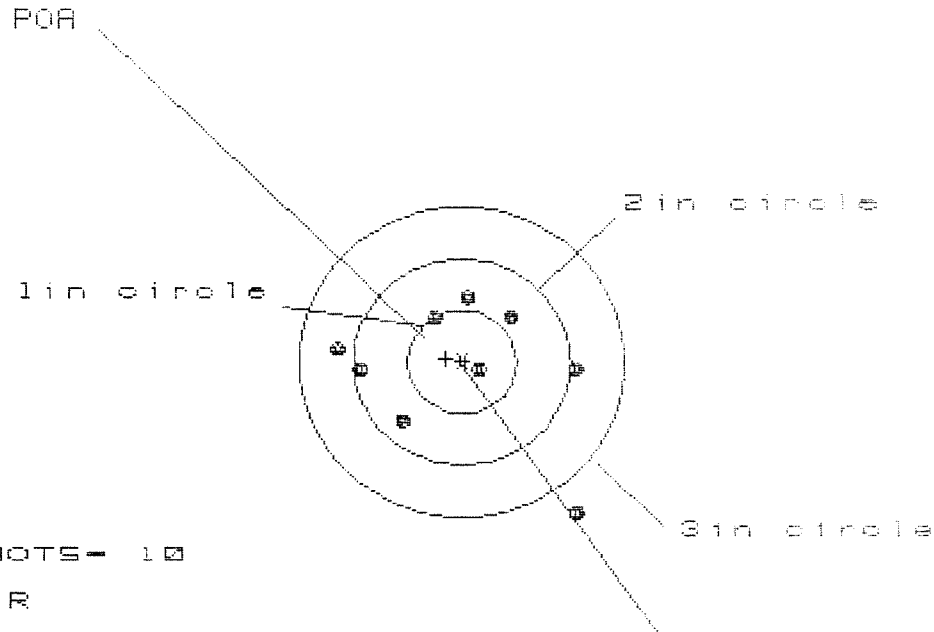
CENTROID \*

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .734   | .619   | .467   |
| MINIMUM X                   | : | -1.098 | -1.213 | -1.799 |
| MAXIMUM Y                   | : | .638   | .585   | .548   |
| MINIMUM Y                   | : | -1.014 | -.913  | -.848  |
| CENTROID X                  | : | -.597  | -.482  | -.330  |
| CENTROID Y                  | : | .188   | .301   | .228   |
| POA TO CENTROID in.         | : | .626   | .568   | .401   |
| MIN RADIUS                  | : | .178   | .047   | .209   |
| MEAN RADIUS                 | : | .790   | .664   | .568   |
| MAX RADIUS                  | : | 1.455  | 1.347  | 1.102  |
| HORIZONTAL SPREAD           | : | 1.832  | 1.832  | 1.266  |
| VERTICAL SPREAD             | : | 1.712  | 1.498  | 1.388  |
| EXTREME SPREAD              | : | 2.363  | 2.083  | 1.788  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.249

VS= 2.075

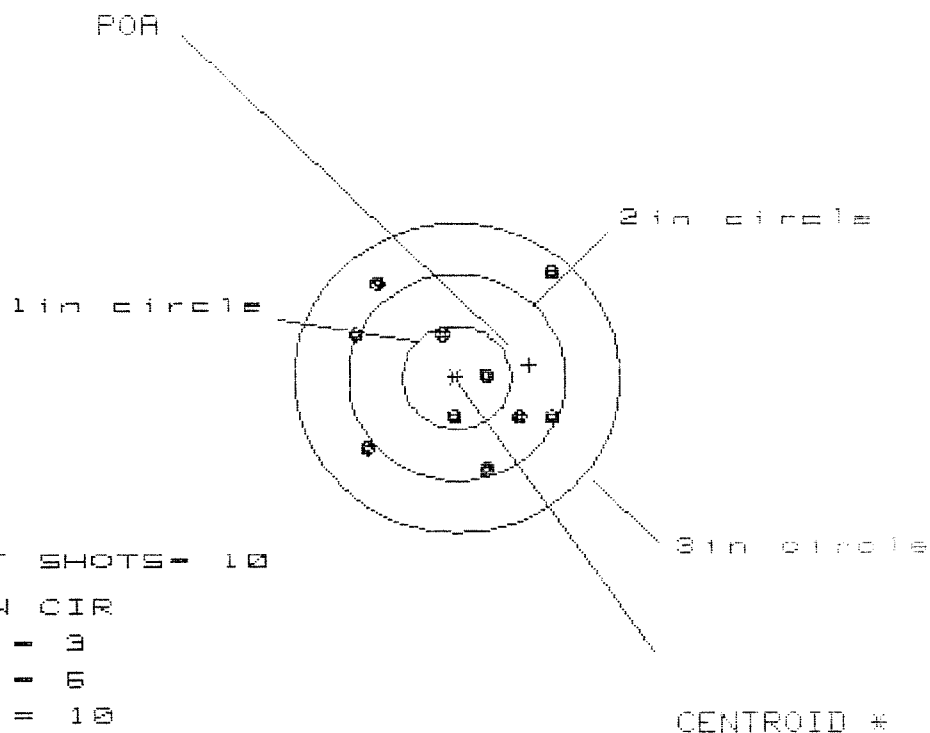
GS= 2.676

|                               |   |        |        |       |
|-------------------------------|---|--------|--------|-------|
| PATTERN #                     | : | 2      |        |       |
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | 1.061  | 1.175  | 1.040 |
| MINIMUM X                     | : | -1.188 | -1.074 | -.937 |
| MAXIMUM Y                     | : | .647   | .488   | .479  |
| MINIMUM Y                     | : | -1.428 | -.731  | -.740 |
| CENTROID X                    | : | .148   | .034   | .169  |
| CENTROID Y                    | : | -.033  | .126   | .135  |
| POA TO CENTROID in.           | : | .151   | .130   | .216  |
| MIN RADIUS                    | : | .185   | .275   | .294  |
| MEAN RADIUS                   | : | .825   | .691   | .626  |
| MAX RADIUS                    | : | 1.755  | 1.194  | 1.064 |
| HORIZONTAL SPREAD             | : | 2.249  | 2.249  | 1.977 |
| VERTICAL SPREAD               | : | 2.075  | 1.219  | 1.219 |
| EXTREME SPREAD                | : | 2.676  | 2.253  | 1.977 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |       |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.833

VS= 1.839

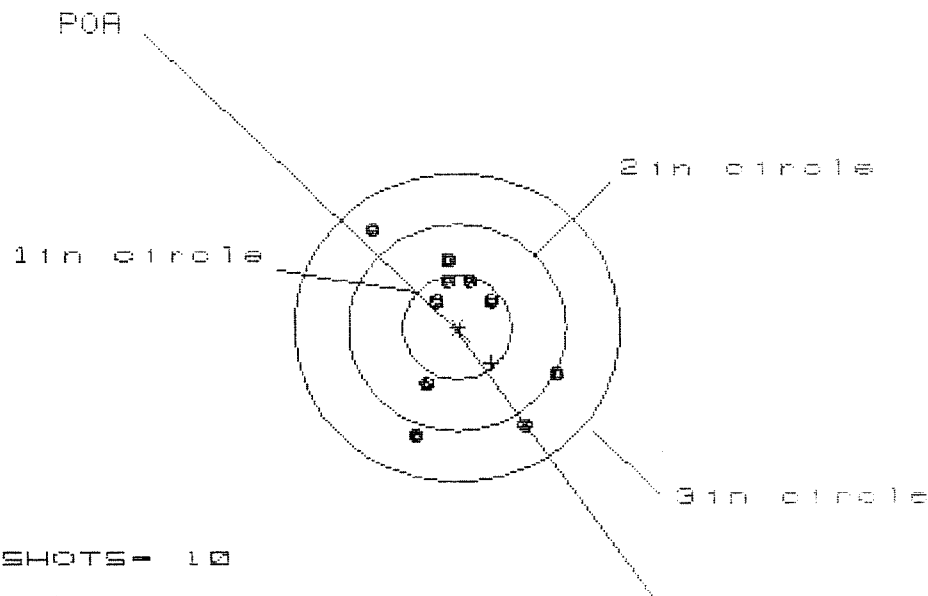
GS= 2.402

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .889  | .971  | .892  |
| MINIMUM X                   | : | -.953 | -.862 | -.941 |
| MAXIMUM Y                   | : | .999  | 1.013 | .644  |
| MINIMUM Y                   | : | -.840 | -.729 | -.682 |
| CENTROID X                  | : | -.672 | -.763 | -.684 |
| CENTROID Y                  | : | -.120 | -.231 | -.358 |
| POA TO CENTROID in.         | : | .682  | .798  | .772  |
| MIN RADIUS                  | : | .251  | .293  | .169  |
| MEAN RADIUS                 | : | .820  | .763  | .682  |
| MAX RADIUS                  | : | 1.296 | 1.196 | 1.123 |
| HORIZONTAL SPREAD           | : | 1.833 | 1.833 | 1.833 |
| VERTICAL SPREAD             | : | 1.839 | 1.742 | 1.246 |
| EXTREME SPREAD              | : | 2.402 | 2.067 | 1.989 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.598

VS= 1.988

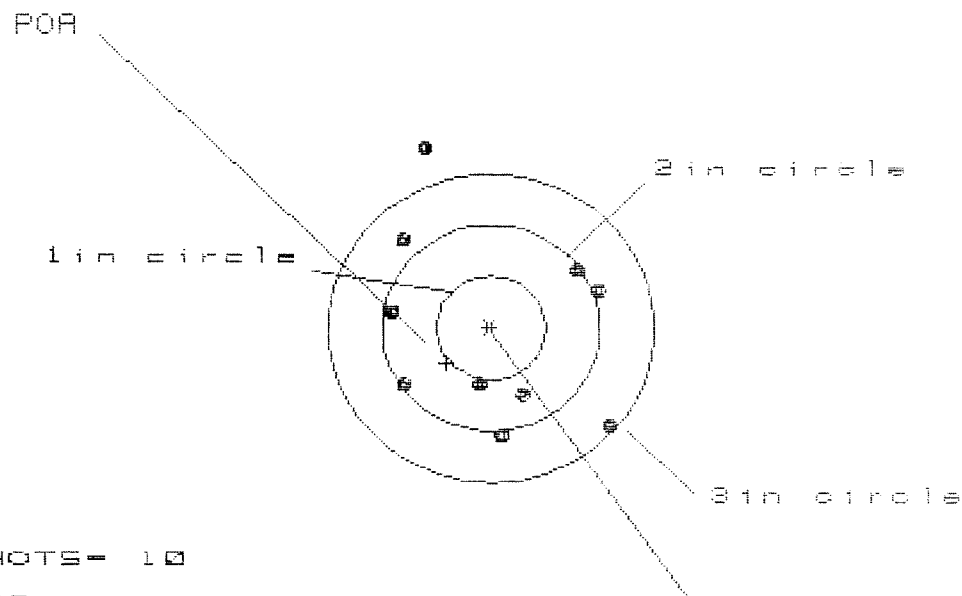
GS= 2.375

| PATTERN #                   | : | 4      |       |        |
|-----------------------------|---|--------|-------|--------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8      |
| MAXIMUM X                   | : | .884   | .793  | .859   |
| MINIMUM X                   | : | -.814  | -.511 | -.445  |
| MAXIMUM Y                   | : | .912   | .736  | .625   |
| MINIMUM Y                   | : | -1.076 | -.975 | -1.086 |
| CENTROID X                  | : | -.315  | -.224 | -.290  |
| CENTROID Y                  | : | .345   | .244  | .355   |
| POA TO CENTROID in.         | : | .467   | .331  | .458   |
| MIN RADIUS                  | : | .357   | .473  | .367   |
| MEAN RADIUS                 | : | .755   | .718  | .643   |
| MAX RADIUS                  | : | 1.222  | 1.101 | 1.173  |
| HORIZONTAL SPREAD           | : | 1.698  | 1.304 | 1.304  |
| VERTICAL SPREAD             | : | 1.988  | 1.711 | 1.711  |
| EXTREME SPREAD              | : | 2.375  | 1.782 | 1.736  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3     |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7     |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.024

VS= 2.806

GS= 3.194

CENTROID #

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.140  | 1.071  | 1.066  |
| MINIMUM X                   | : | -1.884 | -1.953 | -1.819 |
| MAXIMUM Y                   | : | 1.760  | 1.104  | 1.015  |
| MINIMUM Y                   | : | -1.046 | -1.851 | -1.940 |
| CENTROID X                  | : | .409   | .478   | .344   |
| CENTROID Y                  | : | .341   | .145   | .234   |
| POA TO CENTROID in.         | : | .532   | .499   | .416   |
| MIN RADIUS                  | : | .537   | .390   | .417   |
| MEAN RADIUS                 | : | 1.072  | .945   | .903   |
| MAX RADIUS                  | : | 1.864  | 1.437  | 1.284  |
| HORIZONTAL SPREAD           | : | 2.024  | 2.024  | 1.885  |
| VERTICAL SPREAD             | : | 2.806  | 1.955  | 1.955  |
| EXTREME SPREAD              | : | 3.194  | 2.697  | 2.165  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |