

C6523354

MODEL 700™ M24

Model **SMS**™

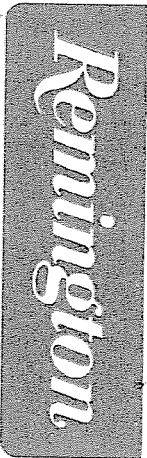
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**<sup>®</sup> **DUPONT**<sup>®</sup> REG. U.S. PAT. & TM. OFF.

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

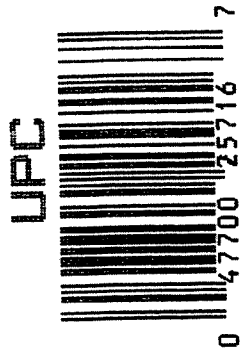
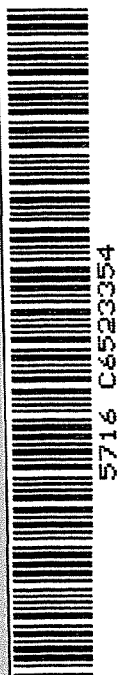
**MODEL 700<sup>TM</sup> M24**

**SERIAL NO. C6523354**

**ORDER NO. 5716**

Ø1

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



H 3.3  
M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523354

| OP. #     | OP. NAME                                                 | READINGS | DATE     | INIT |
|-----------|----------------------------------------------------------|----------|----------|------|
| 575 & 580 | Assemble Action and Stock                                | 10 9     | 90       | RW   |
| 600       | Proof                                                    | 10 9     | 90       | RW   |
| 607       | Check Headspace                                          | 10 9     | 90       | RW   |
| 610       | Dis-assemble Gun                                         | 10 9     | 90       | RW   |
| 612       | Magnaflux Barrel Action                                  |          | 10/17/90 | KR   |
|           | Magnaflux Bolt                                           |          | 10/17/90 | KR   |
| 615       | Rollmark Caliber                                         |          | 10/17/90 | HL   |
| 617       | Drill and Tap Sight Holes                                |          | 10/18/90 | FB   |
| 618       | Polish Barrel RB                                         |          | 10/19/90 | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 11-5-90  | TJA  |
|           | Apply Coating (Bolt)                                     |          |          |      |
| 625       | Final Assembly                                           |          |          |      |
|           | A) Clean inside of Bolt Assembly                         |          | 11/7/90  | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 11/7/90  | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 11/7/90  | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 11/7/90  | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 11-7-90  | HL   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 3 3/4    | 3 3/4 | 3 1/2 |      |      | 11/12/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2     | 2     |      |      | 11/12/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 11-12-90 | RL   |
|              | I) Firing Pin Indent                                        | .0205    | .020  | .0205 |      |      | 11/12/90 | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 11/14/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 11-20-90 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 11/14/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 11/14/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 11/14/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 11/14/90 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 11/14/90 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 11-15-90 | DH   |
|              | A) Time                                                     |          |       |       |      |      | 11-15-90 | DH   |
|              | B) Malfunctions                                             |          |       |       |      |      | 11-15-90 | DH   |
|              | C) Pierced Primers                                          |          |       |       |      |      | 11-15-90 | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 11-15-90 | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 11-15-90 | DH   |
| 655          | Final Inspection                                            |          |       |       |      |      |          |      |
|              | A) Headspace                                                |          |       |       |      |      | 11-20-90 | DH   |
|              | B) Trigger Pull                                             | 2.47     | 2.41  | 2.40  | 2.36 | 2.30 | 11-20-90 | DH   |
|              | C) Function                                                 |          |       |       |      |      | 11-20-90 | DH   |
| 660          | Pack                                                        |          |       |       |      |      | 12/18/90 | RF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523354DATE 11-12-90TESTER JH.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.46             | 2.50                     | 2.26                           | 2.47 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.45             | 2.43                     | 2.47                           | 2.46 |                                                                        |
| PULL #3 | 2.48             | 2.46                     | 2.45                           | 2.40 |                                                                        |
| PULL #4 | 2.44             | 2.32                     | 2.43                           | 2.36 |                                                                        |
| PULL #5 | 2.44             | 2.41                     | 2.44                           | 2.30 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.21             | 3.27                     |  |          |
| PULL #2 | 3.19             | 3.16                     |  |          |
| PULL #3 | 3.25             | 3.27                     |  |          |
| PULL #4 | 3.18             | 3.26                     |  |          |
| PULL #5 | 3.26             | 3.21                     |  |          |
| 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 | 4.21             | 4.31                     |                                | 4.33                                 |
| PULL #2 | 4.16             | 4.30                     |                                | 4.34                                 |
| PULL #3 | 4.14             | 4.35                     |                                | 4.32                                 |
| PULL #4 | 4.35             | 4.28                     |                                | 4.33                                 |
| PULL #5 | 4.31             | 4.31                     |                                | 4.26                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06523354  
15 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .210262 |
| 1 TO | 2 | .203666 |
| 1 TO | 3 | .342475 |
| 1 TO | 4 | .24797  |
| 1 TO | 5 | .550311 |

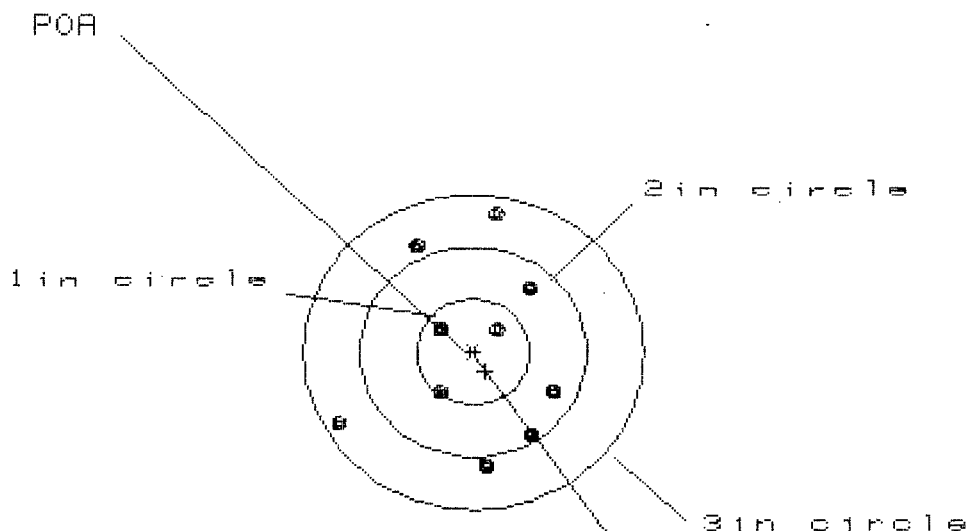
$\sqrt{.3}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .072  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1152  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135849  
THE AMR FOR THIS RIFLE IS: .8574

15 May 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06523354

CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.895

VS = 2.393

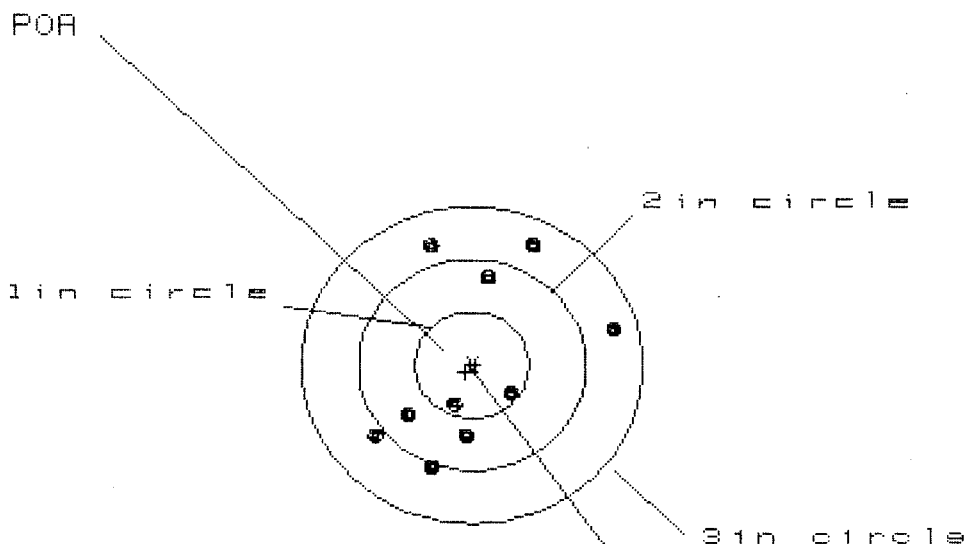
GS = 2.468

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .672   | .536   | .547   |
| MINIMUM X                     | -1.223 | -.629  | -.618  |
| MAXIMUM Y                     | 1.296  | 1.217  | 1.052  |
| MINIMUM Y                     | -1.097 | -1.176 | -1.024 |
| CENTROID X                    | -.107  | .029   | .018   |
| CENTROID Y                    | .181   | .260   | .107   |
| POA TO CENTROID in.           | .210   | .261   | .109   |
| MIN RADIUS                    | .321   | .191   | .331   |
| MEAN RADIUS                   | .856   | .779   | .721   |
| MAX RADIUS                    | 1.412  | 1.220  | 1.220  |
| HORIZONTAL SPREAD             | 1.895  | 1.165  | 1.165  |
| VERTICAL SPREAD               | 2.393  | 2.393  | 2.075  |
| EXTREME SPREAD                | 2.468  | 2.395  | 2.163  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

15 Nov 1998

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CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.086

VS= 2.151

GS= 2.349

CENTROID \*

| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.229  | 1.293 | .600  |
| MINIMUM X                   | : | -.857  | -.793 | -.631 |
| MAXIMUM Y                   | : | 1.143  | 1.238 | 1.293 |
| MINIMUM Y                   | : | -1.008 | -.881 | -.826 |
| CENTROID X                  | : | .059   | -.005 | -.167 |
| CENTROID Y                  | : | .063   | -.064 | -.119 |
| POA TO CENTROID in.         | : | .086   | .064  | .205  |
| MIN RADIUS                  | : | .409   | .270  | .232  |
| MEAN RADIUS                 | : | .901   | .822  | .727  |
| MAX RADIUS                  | : | 1.280  | 1.366 | 1.300 |
| HORIZONTAL SPREAD           | : | 2.086  | 2.086 | 1.231 |
| VERTICAL SPREAD             | : | 2.151  | 2.119 | 2.119 |
| EXTREME SPREAD              | : | 2.349  | 2.294 | 2.119 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |



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## CENTERFIRE PATTERNS

# 3

POR

1 in circle

2 in circle

3 in circle

# OF SHOTS - 10

# IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.881

VS = 2.039

GS = 2.575

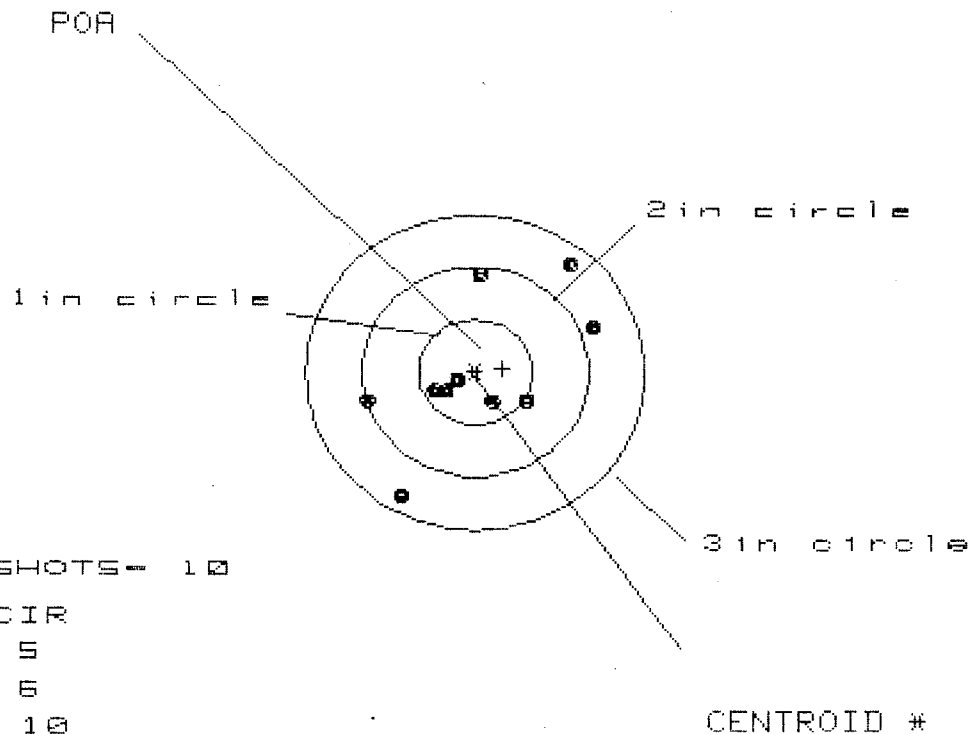
CENTROID \*

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .911  | .899  | .683  |
| MINIMUM X                   | : | -.970 | -.869 | -.756 |
| MAXIMUM Y                   | : | 1.138 | .968  | .871  |
| MINIMUM Y                   | : | -.901 | -.775 | -.630 |
| CENTROID X                  | : | .218  | .117  | .004  |
| CENTROID Y                  | : | .289  | .163  | .260  |
| POR TO CENTROID in.         | : | .362  | .200  | .260  |
| MIN RADIUS                  | : | .212  | .135  | .053  |
| MEAN RADIUS                 | : | .787  | .695  | .621  |
| MAX RADIUS                  | : | 1.458 | 1.187 | .960  |
| HORIZONTAL SPREAD           | : | 1.881 | 1.768 | 1.440 |
| VERTICAL SPREAD             | : | 2.039 | 1.743 | 1.501 |
| EXTREME SPREAD              | : | 2.575 | 2.073 | 1.698 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in - 5

2 in - 6

3 in = 10

HS= 1.995

VS= 2.229

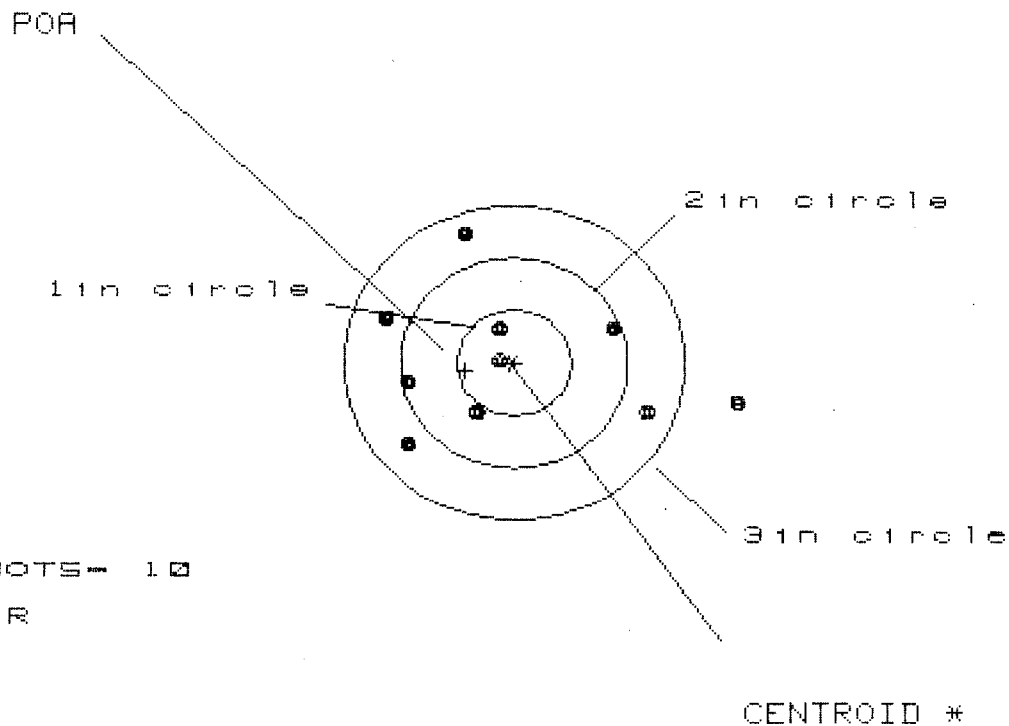
GS= 2.679

| PATTERN #                     | 4      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.010  | .938   | 1.034 |
| MINIMUM X                     | -.985  | -1.057 | -.961 |
| MAXIMUM Y                     | 1.029  | .896   | .954  |
| MINIMUM Y                     | -1.200 | -.416  | -.304 |
| CENTROID X                    | -.242  | -.170  | -.266 |
| CENTROID Y                    | -.027  | .107   | -.005 |
| POA TO CENTROID in.           | .244   | .201   | .266  |
| MIN RADIUS                    | .174   | .313   | .167  |
| MEAN RADIUS                   | .754   | .715   | .608  |
| MAX RADIUS                    | 1.364  | 1.178  | 1.121 |
| HORIZONTAL SPREAD             | 1.995  | 1.995  | 1.995 |
| VERTICAL SPREAD               | 2.229  | 1.312  | 1.258 |
| EXTREME SPREAD                | 2.679  | 2.212  | 2.107 |
| NUMBER IN ONE INCH CIRCLE =   | 5      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 3.133

VS= 1.993

GS= 3.229

CENTROID \*

| PATTERN #                 | : | 5      |       |       |
|---------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)           | : | 10     | 9     | 8     |
| MAXIMUM X                 | : | 1.991  | 1.367 | 1.347 |
| MINIMUM X                 | : | -1.142 | -.921 | -.941 |
| MAXIMUM Y                 | : | 1.235  | 1.192 | .505  |
| MINIMUM Y                 | : | -.758  | -.801 | -.652 |
| CENTROID X                | : | .432   | .211  | .231  |
| CENTROID Y                | : | .070   | .113  | -.036 |
| POA TO CENTROID in.       | : | .437   | .239  | .234  |
| MIN RADIUS                | : | .174   | .054  | .156  |
| MEAN RADIUS               | : | .989   | .828  | .785  |
| MAX RADIUS                | : | 2.028  | 1.461 | 1.396 |
| HORIZONTAL SPREAD         | : | 3.133  | 2.288 | 2.288 |
| VERTICAL SPREAD           | : | 1.993  | 1.993 | 1.157 |
| EXTREME SPREAD            | : | 3.229  | 2.448 | 2.448 |
| NUMBER IN ONE INCH CIRCLE | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE | = |        | 5     |       |

**BARBER - M24 0026558**

NUMBER IN THREE INCH CIRCLE =

9

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

**BARBER - M24 0026558** **M24 0026597**