

C6498818

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498818

| 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 | LS.  |
| 617       | Drill and Tap Sight Holes                                |          | 7/23/90 | LB   |
| 618       | Polish Barrel RB                                         |          | 7/24/90 | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 8-6-90  | AA   |
|           | Apply Coating (Bolt)                                     |          |         |      |
| 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          |          | 8/21/90 | WB   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4    | 4    |      |      | 8/21/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2    | 2    |      |      | 8/21/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 8/21/90 | WB   |
|              | I) Firing Pin Indent                                        | .023     | .023 | .023 |      |      | 8/21/90 | WB   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 8/22/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 8/30/90 | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 8/22/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 8/22/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 8/22/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 8/22/90 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 8/22/90 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 8/22/90 | KL   |
|              | A) Time                                                     |          |      |      |      |      | 8/22/90 | KL   |
|              | B) Malfunctions                                             |          |      |      |      |      | 8/22/90 | KL   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 8/22/90 | KL   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 8/22/90 | KL   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 8/22/90 | KL   |
| 655          | Final Inspection                                            |          |      |      |      |      | 8/30/90 | JS   |
|              | A) Headspace                                                |          |      |      |      |      | 8/30/90 | JS   |
|              | B) Trigger Pull                                             | 2.25     | 2.23 | 2.24 | 2.26 | 2.24 | 8/30/90 | JS   |
|              | C) Function                                                 |          |      |      |      |      | 8/30/90 | JS   |
| 660          | Pack                                                        |          |      |      |      |      | 9/20/90 | AF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6498818

DATE 8/21/90

TESTER WB

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.25             | 2.73                     | 2.64                           | 2.25  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.14             | 2.16                     | 2.59                           | 2.23  |                                                                        |
| PULL #3 | 2.22             | 2.18                     | 2.30                           | 2.24  |                                                                        |
| PULL #4 | 2.20             | 2.34                     | 2.16                           | 2.26  |                                                                        |
| PULL #5 | 2.14             | 2.33                     | 2.14                           | 2.24  |                                                                        |
| TOTAL   | 10.95            | 11.24                    | 11.83                          | 11.22 |                                                                        |
| AVG.    | 2.19             | 2.25                     | 2.36                           | 2.244 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.37             | 3.39                     |  |          |
| PULL #2 | 3.37             | 3.49                     |  |          |
| PULL #3 | 3.40             | 3.38                     |  |          |
| PULL #4 | 3.31             | 3.42                     |  |          |
| PULL #5 | 3.37             | 3.39                     |  |          |
| TOTAL   | 16.82            | 17.05                    |  |          |
| AVG.    | 3.36             | 3.41                     |  |          |

|         | 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 | 4.36             | 4.41                     |                                | 4.40                                 |
| PULL #2 | 4.35             | 4.37                     |                                | 4.31                                 |
| PULL #3 | 4.25             | 4.10                     |                                | 4.37                                 |
| PULL #4 | 4.33             | 4.16                     |                                | 4.32                                 |
| PULL #5 | 4.35             | 4.25                     |                                | 4.39                                 |
| TOTAL   | 21.62            | 21.29                    |                                | 21.79                                |
| AVG.    | 4.32             | 4.26                     |                                | 4.36                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6498818  
23 Aug 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .649998 |
| 1 TO | 2 | .728025 |
| 1 TO | 3 | .895646 |
| 1 TO | 4 | .872927 |
| 1 TO | 5 | 1.10374 |

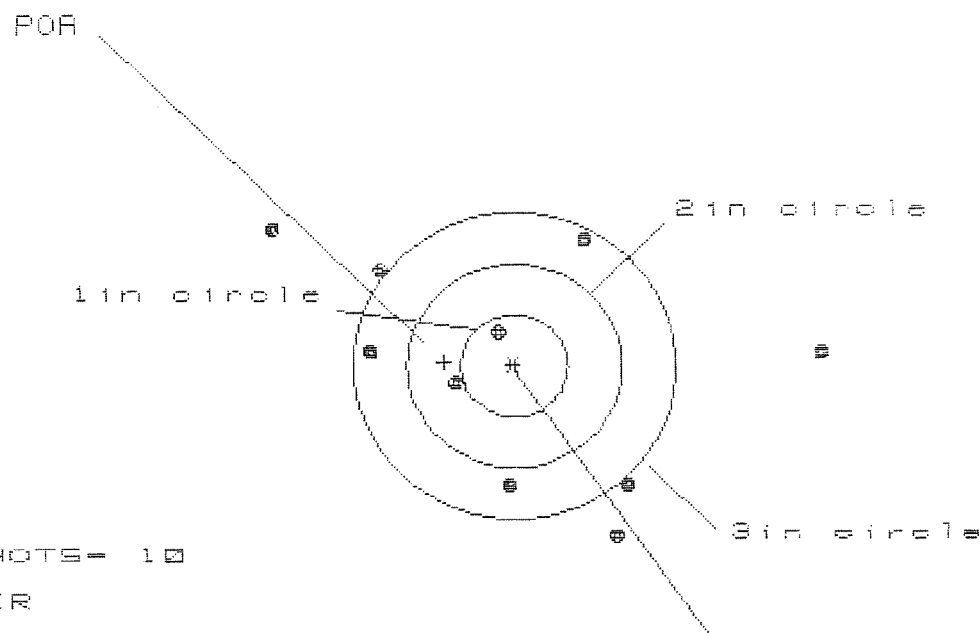
$\frac{5}{3+4}$  1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0598  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.035  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0692895  
THE AMR FOR THIS RIFLE IS: 1.23

23 Aug 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/CS498818

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 2

3in = 5

HS= 5.016

VS= 2.988

GS= 5.148

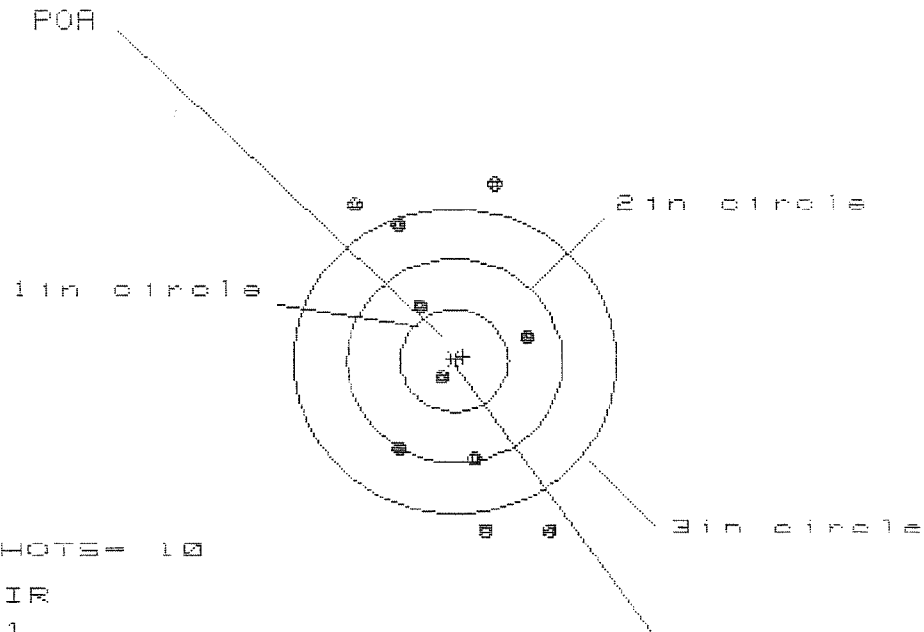
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 2.887  | 1.375  | 1.138  |
| MINIMUM X                   | : | -2.209 | -1.897 | -1.385 |
| MAXIMUM Y                   | : | 1.339  | 1.359  | 1.409  |
| MINIMUM Y                   | : | -1.649 | -1.629 | -1.460 |
| CENTROID X                  | : | .649   | .337   | .574   |
| CENTROID Y                  | : | -.036  | -.056  | -.225  |
| POA TO CENTROID in.         | : | .650   | .342   | .617   |
| MIN RADIUS                  | : | .332   | .250   | .449   |
| MEAN RADIUS                 | : | 1.520  | 1.326  | 1.216  |
| MAX RADIUS                  | : | 2.813  | 2.334  | 1.812  |
| HORIZONTAL SPREAD           | : | 5.016  | 3.272  | 2.443  |
| VERTICAL SPREAD             | : | 2.988  | 2.988  | 2.869  |
| EXTREME SPREAD              | : | 5.148  | 4.385  | 3.372  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

23 Aug 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C649B818

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 5

3in = 4

HS = 1.825

VS = 3.484

GS = 3.741

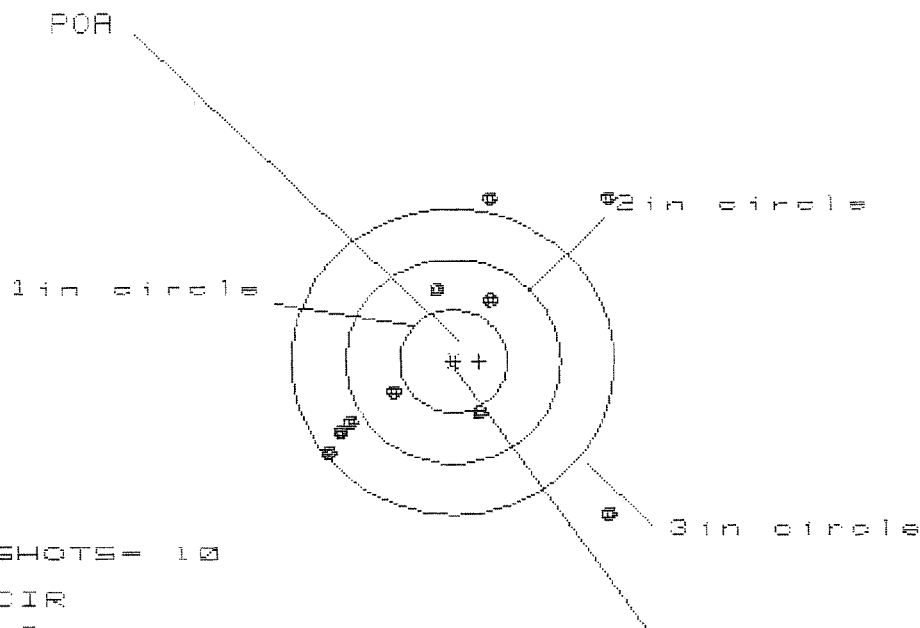
CENTROID #

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .915   | .751   | .810   |
| MINIMUM X                   | : | -.910  | -.809  | -.750  |
| MAXIMUM Y                   | : | 1.784  | 1.595  | 1.576  |
| MINIMUM Y                   | : | -1.700 | -1.872 | -1.673 |
| CENTROID X                  | : | -.079  | -.180  | -.239  |
| CENTROID Y                  | : | -.042  | .147   | -.052  |
| POA TO CENTROID in.         | : | .089   | .233   | .245   |
| MIN RADIUS                  | : | .254   | .386   | .181   |
| MEAN RADIUS                 | : | 1.209  | 1.123  | 1.029  |
| MAX RADIUS                  | : | 1.931  | 1.911  | 1.745  |
| HORIZONTAL SPREAD           | : | 1.825  | 1.560  | 1.560  |
| VERTICAL SPREAD             | : | 3.484  | 3.467  | 3.249  |
| EXTREME SPREAD              | : | 3.741  | 3.468  | 3.460  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 6      |        |

23 Aug 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6498818

# CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.635

VS= 3.065

GS= 3.591

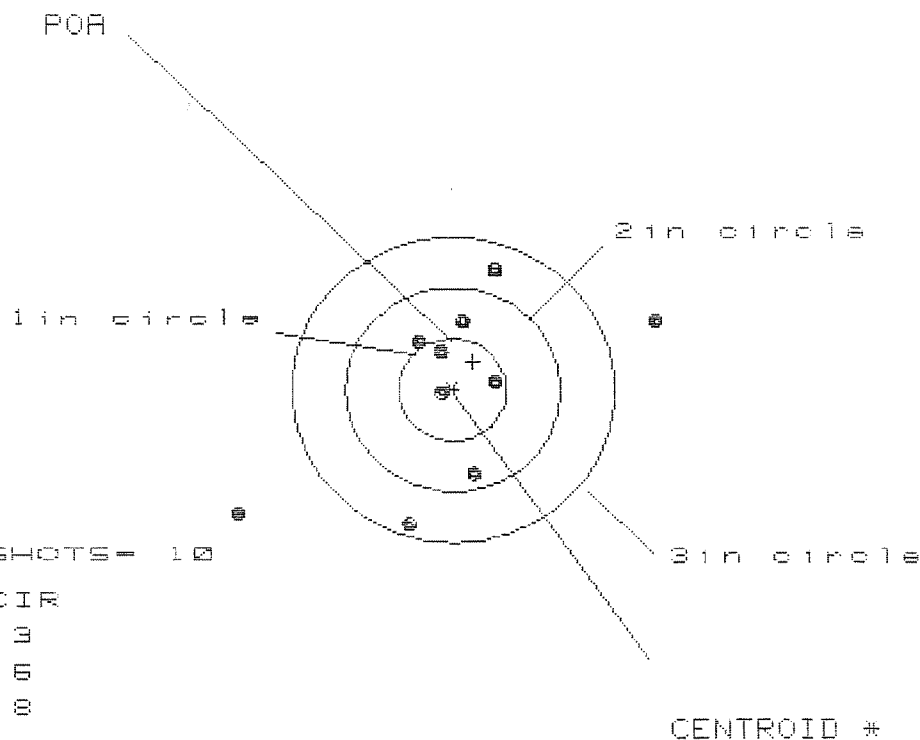
CENTROID \*

| PATTERN #                     | 3      | 3      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.450  | 1.606  | .701  |
| MINIMUM X                     | -1.185 | -1.029 | -.829 |
| MAXIMUM Y                     | 1.573  | 1.730  | 1.566 |
| MINIMUM Y                     | -1.492 | -1.317 | -.906 |
| CENTROID X                    | -.246  | -.402  | -.602 |
| CENTROID Y                    | -.002  | -.177  | -.013 |
| POA TO CENTROID in.           | .246   | .439   | .602  |
| MIN RADIUS                    | .573   | .363   | .299  |
| MEAN RADIUS                   | 1.220  | 1.085  | .938  |
| MAX RADIUS                    | 2.107  | 2.076  | 1.715 |
| HORIZONTAL SPREAD             | 2.635  | 2.635  | 1.530 |
| VERTICAL SPREAD               | 3.065  | 3.047  | 2.472 |
| EXTREME SPREAD                | 3.591  | 3.242  | 2.907 |
| NUMBER IN ONE INCH CIRCLE =   |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |       |

23 Aug 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C649B818

# CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.882

VS = 2.481

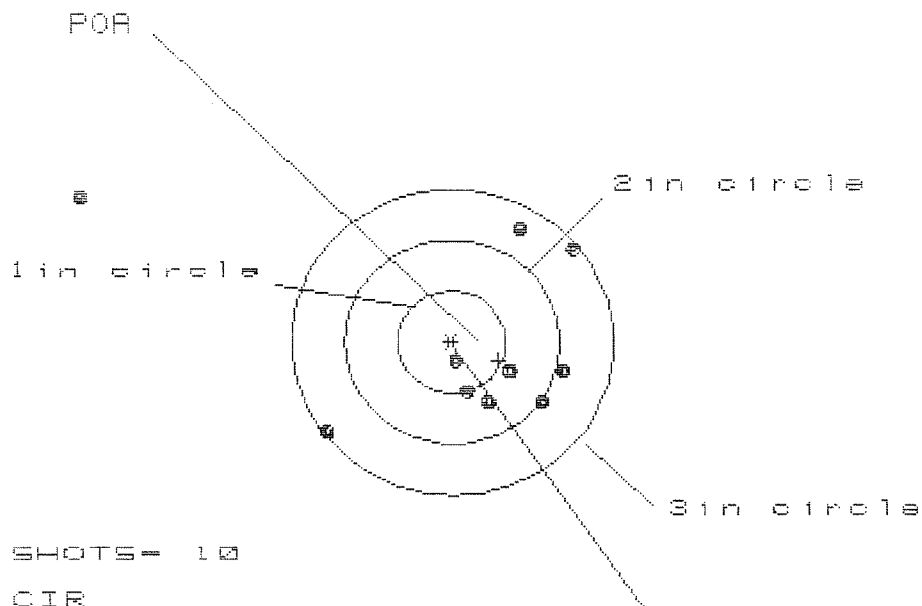
GS = 4.332

| PATTERN #                     | 4      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.861  | 1.636  | .415   |
| MINIMUM X                     | -2.021 | -.648  | -.443  |
| MAXIMUM Y                     | 1.172  | 1.032  | 1.097  |
| MINIMUM Y                     | -1.319 | -1.459 | -1.394 |
| CENTROID X                    | -.190  | .035   | -.170  |
| CENTROID Y                    | -.277  | -.137  | -.202  |
| POA TO CENTROID in.           | .336   | .141   | .264   |
| MIN RADIUS                    | .076   | .238   | .141   |
| MEAN RADIUS                   | 1.003  | .838   | .700   |
| MAX RADIUS                    | 2.382  | 1.717  | 1.463  |
| HORIZONTAL SPREAD             | 3.882  | 2.284  | .858   |
| VERTICAL SPREAD               | 2.491  | 2.491  | 2.491  |
| EXTREME SPREAD                | 4.332  | 3.023  | 2.613  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

23 Aug 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C649B818

# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 4.579

VS= 2.211

GS= 4.832

CENTROID \*

| PATTERN #                     | 5      |        |       |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.100  | .714   | .518  |
| MINIMUM X                     | -3.478 | -1.567 | -.556 |
| MAXIMUM Y                     | 1.368  | 1.224  | 1.137 |
| MINIMUM Y                     | -.843  | -.691  | -.529 |
| CENTROID X                    | -.433  | -.047  | .149  |
| CENTROID Y                    | .182   | .030   | .117  |
| POA TO CENTROID in.           | .470   | .056   | .189  |
| MIN RADIUS                    | .223   | .185   | .240  |
| MEAN RADIUS                   | 1.200  | .777   | .672  |
| MAX RADIUS                    | 3.737  | 1.713  | 1.139 |
| HORIZONTAL SPREAD             | 4.578  | 2.281  | 1.074 |
| VERTICAL SPREAD               | 2.211  | 1.915  | 1.666 |
| EXTREME SPREAD                | 4.832  | 2.870  | 1.719 |
| NUMBER IN ONE INCH CIRCLE =   |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |       |

# Remington.



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

MODEL 700<sup>TM</sup> M24

SERIAL NO.  
C6498818

ORDER NO.  
5716

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

01



5716 C6498818

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400008374