

Smead

C6498853

MODEL 700™ M24

Model **SMS**™

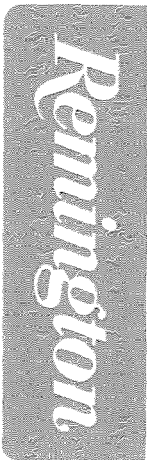
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 649 8853

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 8-21-90 | DB   |
| 600          | Proof                                                          |          | 8-21-90 | DB   |
| 607          | Check Headspace                                                |          | 8-21-90 | DB   |
| 610          | Dis-assemble Gun                                               |          | 8-21-90 | DB   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 8/22/90 | KCR  |
|              | Magnaflux Bolt                                                 |          | 8/22/90 | KCR  |
| 615          | Rollmark Caliber                                               |          | 8/22/90 | GS   |
| 617          | Drill and Tap Sight Holes                                      |          | 8/23/90 | FB   |
| 618          | Polish Barrel RB                                               |          | 8/23/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-23-90 | TS   |
|              | 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             |          | 9/15/90 | WB   |

| op. #      | OP. NAME                                                    | READINGS |       |       | DATE    | INIT |         |    |
|------------|-------------------------------------------------------------|----------|-------|-------|---------|------|---------|----|
| 635<br>nt. | F) Safety On Force                                          | 5 1/2    | 5 1/2 | 5 1/2 | 9/15/90 | WB   |         |    |
|            | G) Safety Off Force                                         | 2 1/2    | 2 1/2 | 2 1/2 | 9/15/90 | WB   |         |    |
|            | H) Trigger Pull Test & Retainability                        |          |       |       | 9/15/90 | WB   |         |    |
|            | I) Firing Pin Indent                                        | .023     | .023  | .023  | 9/15/90 | WB   |         |    |
|            | J) Assemble Stock                                           |          |       |       | 9/15/90 | KA   |         |    |
|            | K) Assemble Swivel Studs                                    |          |       |       | 9/17/90 | JS   |         |    |
|            | L) Attach Front and Rear Sight Assemblies                   |          |       |       | 9/15/90 | KA   |         |    |
|            | M) Iron Sight Alignment                                     |          |       |       | 9/15/90 | KA   |         |    |
|            | N) Detach Front & Rear Sights & place in numbered container |          |       |       | 9/15/90 | KA   |         |    |
|            | O) Attach Scope to Rifle                                    |          |       |       | 9/17/90 | KA   |         |    |
|            | P) Detach & Attach Scope 20 Times                           |          |       |       | 9/15/90 | KA   |         |    |
| 640        | Gallery Target & Test                                       |          |       |       | 9-16-90 | DH   |         |    |
|            | A) Time                                                     |          |       |       | 9-16-90 | DH   |         |    |
|            | B) Malfunctions                                             |          |       |       | 9-16-90 | DH   |         |    |
|            | C) Pierced Primers                                          |          |       |       | 9-16-90 | DH   |         |    |
|            | D) Optical Clarity of Scope                                 |          |       |       | 9-16-90 | DH   |         |    |
| 645        | Inspect for Live Ammo                                       |          |       |       | 9-16-90 | DH   |         |    |
| 655        | Final Inspection                                            |          |       |       |         |      |         |    |
|            | A) Headspace                                                |          |       |       | 9/17/90 | JS   |         |    |
|            | B) Trigger Pull                                             | 2.52     | 2.39  | 2.42  | 2.44    | 2.42 | 9-16-90 | JS |
|            | C) Function                                                 |          |       |       |         |      | 9/17/90 | JS |
| 660        | Pack                                                        |          |       |       |         |      | 9/20/90 | NF |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6498853

DATE 9/15/90

TESTER WB

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.44             | 2.24                     | 2.35                           | 2.52  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.42             | 2.26                     | 2.27                           | 2.39  |                                                                        |
| PULL #3 | 2.47             | 2.28                     | 2.33                           | 2.42  |                                                                        |
| PULL #4 | 2.44             | 2.34                     | 2.31                           | 2.44  |                                                                        |
| PULL #5 | 2.41             | 2.38                     | 2.35                           | 2.42  |                                                                        |
| TOTAL   | 12.18            | 11.50                    | 11.61                          | 12.19 |                                                                        |
| AVG.    | 2.43             | 2.30                     | 2.32                           | 2.438 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.31             | 3.27                     |  |          |
| PULL #2 | 3.18             | 3.18                     |  |          |
| PULL #3 | 3.22             | 3.27                     |  |          |
| PULL #4 | 3.24             | 3.29                     |  |          |
| PULL #5 | 3.22             | 3.32                     |  |          |
| TOTAL   | 16.17            | 16.33                    |  |          |
| AVG.    | 3.23             | 3.27                     |  |          |

|         | 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 | 4.12             | 3.93                     |                                | 4.06                                 |
| PULL #2 | 4.03             | 3.97                     |                                | 4.06                                 |
| PULL #3 | 4.00             | 4.00                     |                                | 3.90                                 |
| PULL #4 | 4.01             | 4.00                     |                                | 4.01                                 |
| PULL #5 | 3.98             | 4.06                     |                                | 4.12                                 |
| TOTAL   | 20.14            | 19.96                    |                                | 20.15                                |
| AVG.    | 4.03             | 3.99                     |                                | 4.03                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06498853  
16 Sep 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .286094 |
| 1 TO | 2 | .121297 |
| 1 TO | 3 | .125706 |
| 1 TO | 4 | .434497 |
| 1 TO | 5 | .604325 |

4 5 <----POA

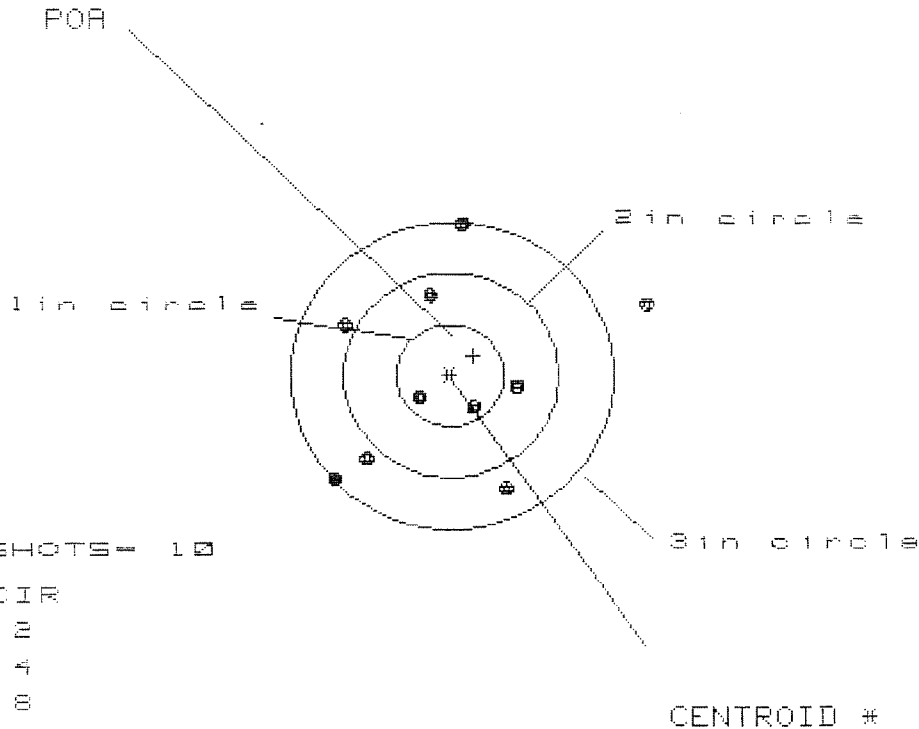
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3812  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1672  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .416256  
THE AMR FOR THIS RIFLE IS: .8584

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/CG498853

## CENTERFIRE PATTERNS

# 1



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.840

VS= 2.565

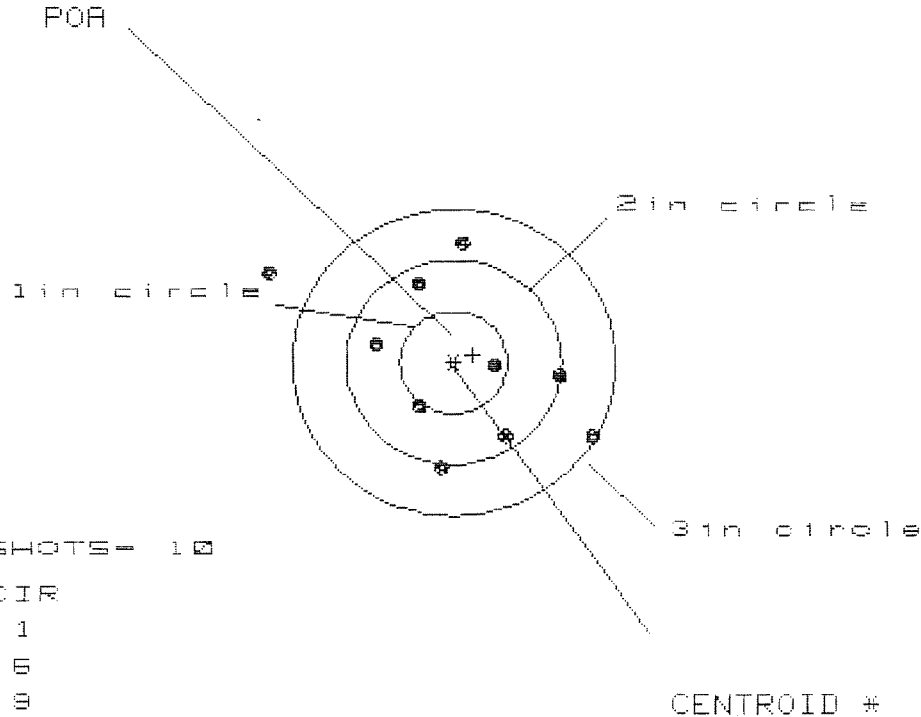
GS= 3.302

| PATTERN #                     | 1      | 2     | 3     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.778  | .845  | .880  |
| MINIMUM X                     | -1.062 | -.864 | -.829 |
| MAXIMUM Y                     | 1.502  | 1.580 | 1.099 |
| MINIMUM Y                     | -1.063 | -.985 | -.788 |
| CENTROID X                    | -.213  | -.411 | -.446 |
| CENTROID Y                    | -.191  | -.270 | -.467 |
| POA TO CENTROID in.           | .287   | .491  | .646  |
| MIN RADIUS                    | .361   | .183  | .037  |
| MEAN RADIUS                   | 1.042  | .919  | .796  |
| MAX RADIUS                    | 1.913  | 1.605 | 1.101 |
| HORIZONTAL SPREAD             | 2.840  | 1.709 | 1.709 |
| VERTICAL SPREAD               | 2.565  | 2.565 | 1.887 |
| EXTREME SPREAD                | 3.302  | 2.734 | 2.102 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 4      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 8      |       |       |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 3.014

VS= 2.165

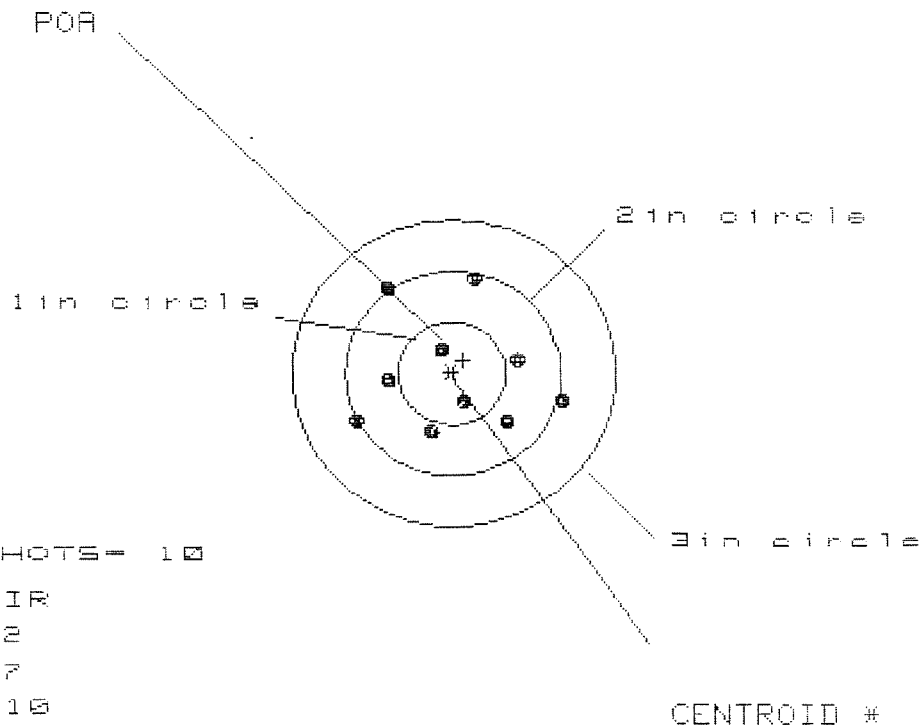
GS= 3.447

| PATTERN #                   | : | 2      |
|-----------------------------|---|--------|
| SHOTS (BEST OF)             | : | 10     |
| MAXIMUM X                   | : | 1.248  |
| MINIMUM X                   | : | -1.766 |
| MAXIMUM Y                   | : | 1.179  |
| MINIMUM Y                   | : | -0.986 |
| CENTROID X                  | : | -0.181 |
| CENTROID Y                  | : | -0.074 |
| POA TO CENTROID in.         | : | 0.196  |
| MIN RADIUS                  | : | 0.387  |
| MEAN RADIUS                 | : | 1.008  |
| MAX RADIUS                  | : | 1.981  |
| HORIZONTAL SPREAD           | : | 3.014  |
| VERTICAL SPREAD             | : | 2.165  |
| EXTREME SPREAD              | : | 3.447  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |
| NUMBER IN THREE INCH CIRCLE | = | 9      |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.915

VS= 1.484

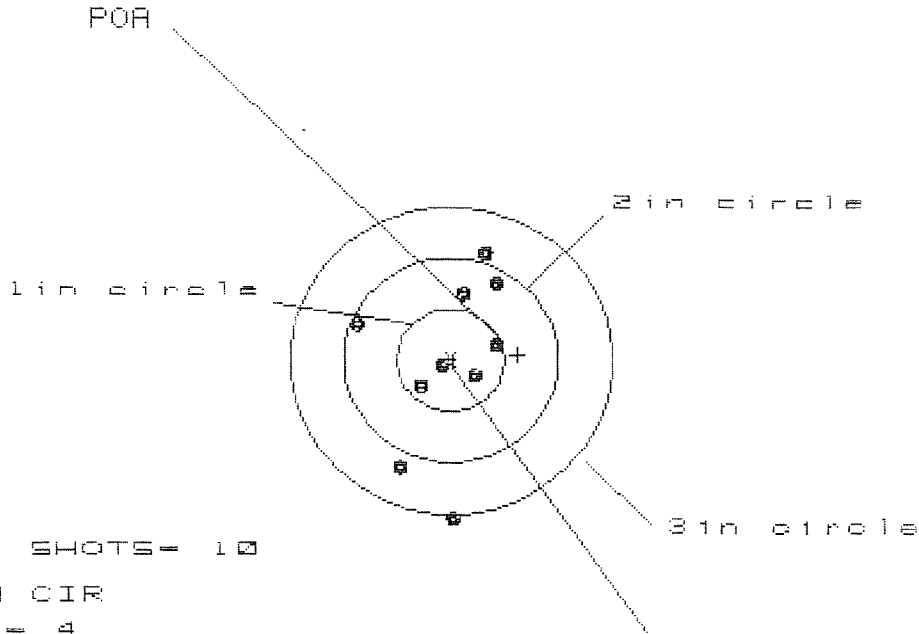
GS= 1.970

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.028 | .707  | .648  |
| MINIMUM X                   | : | -.887 | -.773 | -.832 |
| MAXIMUM Y                   | : | .966  | .933  | 1.034 |
| MINIMUM Y                   | : | -.518 | -.551 | -.450 |
| CENTROID X                  | : | -.102 | -.216 | -.157 |
| CENTROID Y                  | : | -.132 | -.099 | -.200 |
| POA TO CENTROID in.         | : | .167  | .237  | .254  |
| MIN RADIUS                  | : | .222  | .194  | .250  |
| MEAN RADIUS                 | : | .712  | .670  | .622  |
| MAX RADIUS                  | : | 1.069 | .980  | 1.062 |
| HORIZONTAL SPREAD           | : | 1.915 | 1.480 | 1.480 |
| VERTICAL SPREAD             | : | 1.484 | 1.484 | 1.484 |
| EXTREME SPREAD              | : | 1.970 | 1.806 | 1.806 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.348

VS= 2.507

GS= 2.522

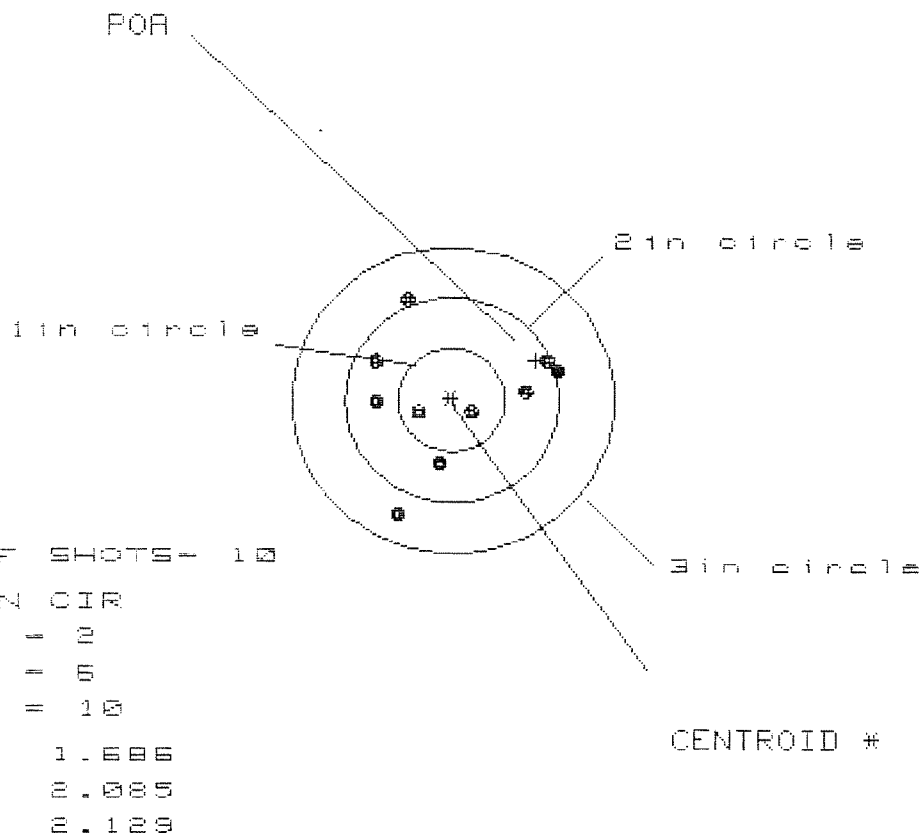
CENTROID #

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .470   | .476   | .413  |
| MINIMUM X                   | : | -.878  | -.872  | -.935 |
| MAXIMUM Y                   | : | 1.009  | .843   | .688  |
| MINIMUM Y                   | : | -1.498 | -1.235 | -.597 |
| CENTROID X                  | : | -.625  | -.631  | -.568 |
| CENTROID Y                  | : | -.053  | .113   | .268  |
| POA TO CENTROID in.         | : | .628   | .642   | .628  |
| MIN RADIUS                  | : | .035   | .186   | .318  |
| MEAN RADIUS                 | : | .751   | .667   | .574  |
| MAX RADIUS                  | : | 1.499  | 1.336  | .938  |
| HORIZONTAL SPREAD           | : | 1.348  | 1.348  | 1.348 |
| VERTICAL SPREAD             | : | 2.507  | 2.078  | 1.285 |
| EXTREME SPREAD              | : | 2.522  | 2.243  | 1.437 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

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## CENTERFIRE PATTERNS # 5



| PATTERN #                   | : | 5      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .965   | .908  | .851  |
| MINIMUM X                   | : | -.721  | -.778 | -.835 |
| MAXIMUM Y                   | : | .940   | .812  | .401  |
| MINIMUM Y                   | : | -1.145 | -.789 | -.687 |
| CENTROID X                  | : | -.785  | -.728 | -.671 |
| CENTROID Y                  | : | -.386  | -.258 | -.360 |
| POA TO CENTROID in.         | : | .875   | .772  | .761  |
| MIN RADIUS                  | : | .266   | .327  | .210  |
| MEAN RADIUS                 | : | .779   | .732  | .687  |
| MAX RADIUS                  | : | 1.257  | .931  | .899  |
| HORIZONTAL SPREAD           | : | 1.686  | 1.686 | 1.686 |
| VERTICAL SPREAD             | : | 2.085  | 1.601 | 1.088 |
| EXTREME SPREAD              | : | 2.129  | 1.688 | 1.688 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

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

**MODEL 700™ M24**

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

**DU PONT**

|                               |                                 |
|-------------------------------|---------------------------------|
| <b>SERIAL NO.</b><br>C6498853 | <b>ORDER NO.</b><br><b>5716</b> |
|-------------------------------|---------------------------------|

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

