

C6636041

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

*Sword*




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

MODEL 700<sup>TM</sup> H24

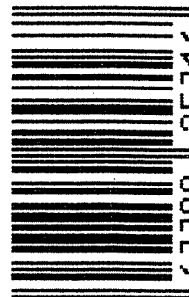
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO.  
C6636041

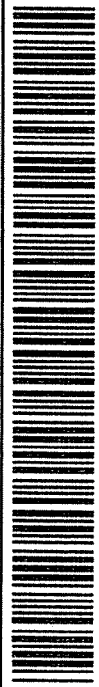
ORDER NO.  
5716

20

UPC



0 47700 25716 7



5716 C6636041

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636041

| OP. #     | OP. NAME                                                 | READINGS | DATE   | INIT |
|-----------|----------------------------------------------------------|----------|--------|------|
| 575 & 580 | Assemble Action and Stock                                |          | 5/1/91 | KS   |
| 600       | Proof                                                    |          | 5/1/91 | KS   |
| 607       | Check Headspace                                          |          | 5/1/91 | KS   |
| 610       | Dis-assemble Gun                                         |          | 5/1/91 | KS   |
| 612       | Magnaflux Barrel Action                                  | 5 8 9 1  |        | KCR  |
|           | Magnaflux Bolt                                           | 5 8 9 1  |        | KCR  |
| 615       | Rollmark Caliber                                         | 5 8 9 1  |        | GS   |
| 617       | Drill and Tap Sight Holes                                | 5 15 9 1 |        | LB   |
| 618       | Polish Barrel                                            | 5 15 9 1 |        | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 5/5/91 | JA   |
|           | Apply Coating (Bolt)                                     |          | 5/5/91 | JA   |
| 625       | Final Assembly                                           |          |        |      |
|           | A) Clean inside of Bolt Assembly                         |          | 5/5/91 | KS   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 5/5/91 | KS   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 5/5/91 | KS   |
|           | D) Oil Firing Pin Ass'y                                  |          | 5/5/91 | KS   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 6-6-91 | JR   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 6-6-91  | JK   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 6-6-91  | JK   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 6-6-91  | JK   |
|              | I) Firing Pin Indent                                        | .0215    | .021 | .021 |      |      | 6-6-91  | JK   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 6-6-91  | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-13-91 | AK   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 6/6/91  | KS   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 6/6/91  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 6/6/91  | KS   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 6/6/91  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 6/6/91  | KS   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 6-7-91  | DH   |
|              | A) Time                                                     |          |      |      |      |      | 6-7-91  | DH   |
|              | B) Malfunctions                                             |          |      |      |      |      | 6-7-91  | DH   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 6-7-91  | DH   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 6-7-91  | DH   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 6-7-91  | DH   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 6-13-91 | AK   |
|              | B) Trigger Pull                                             | 2.49     | 2.43 | 2.42 | 2.37 | 2.40 | 6-13-91 | JK   |
|              | C) Function                                                 |          |      |      |      |      | 6-13-91 | AK   |
| 660          | Pack                                                        |          |      |      |      |      | 6-20-91 | NF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636041

DATE 6-6-91

TESTER JLP.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.41             | 2.37                     | 2.38                           | 2.49 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.35             | 2.34                     | 2.30                           | 2.43 |                                                                        |
| PULL #3 | 2.31             | 2.37                     | 2.35                           | 2.42 |                                                                        |
| PULL #4 | 2.29             | 2.33                     | 2.34                           | 2.37 |                                                                        |
| PULL #5 | 2.34             | 2.34                     | 2.44                           | 2.40 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.49             | 3.46                     |  |          |
| PULL #2 | 3.58             | 3.37                     |  |          |
| PULL #3 | 3.61             | 3.39                     |  |          |
| PULL #4 | 3.67             | 3.37                     |  |          |
| PULL #5 | 3.65             | 3.36                     |  |          |
| 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 | 4.49             | 4.39                     |                                | 4.40                                 |
| PULL #2 | 4.40             | 4.45                     |                                | 4.50                                 |
| PULL #3 | 4.46             | 4.49                     |                                | 4.45                                 |
| PULL #4 | 4.51             | 4.42                     |                                | 4.45                                 |
| PULL #5 | 4.44             | 4.44                     |                                | 4.43                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06636041  
7 Jun 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .582409 |
| 1 TO | 2 | .361168 |
| 1 TO | 3 | .607211 |
| 1 TO | 4 | 1.002   |
| 1 TO | 5 | .824628 |

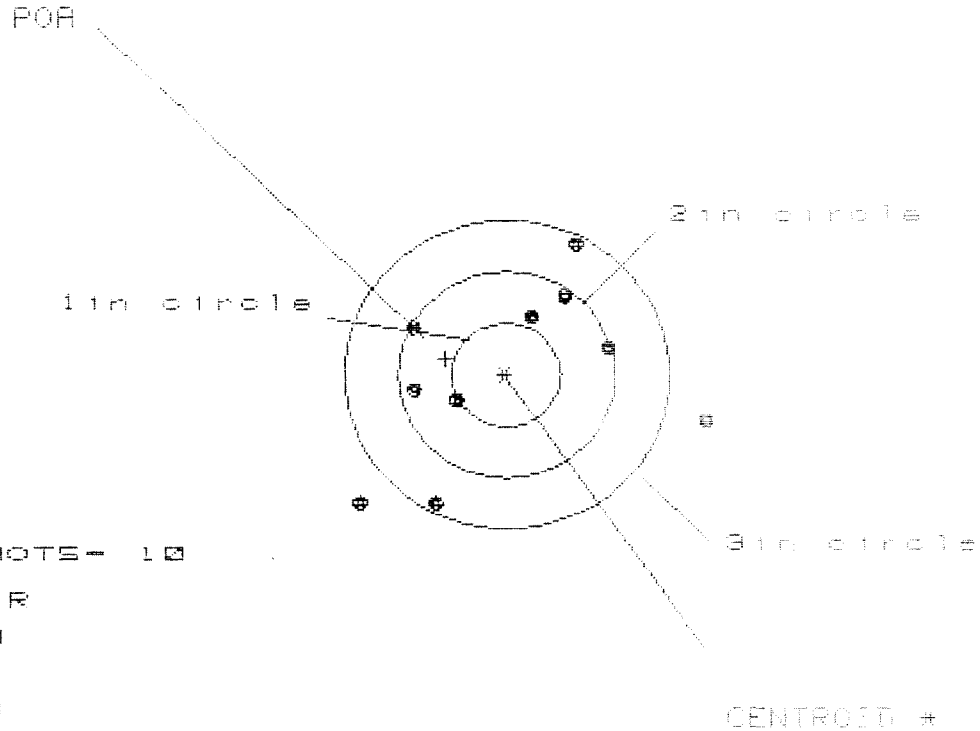
+ 3 2 1 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0912  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.057  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .107547  
THE AMR FOR THIS RIFLE IS: .892

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8836041

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 6

3in = 8

HS= 3.222

VS= 2.562

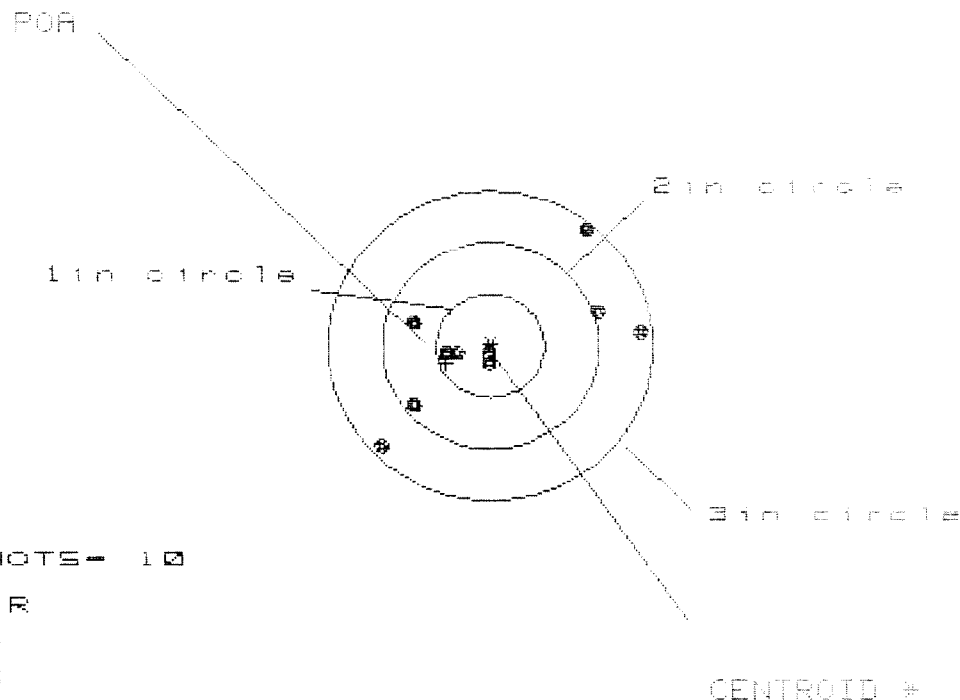
GS= 3.331

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | -1.840 | 1.142  | .995   |
| MINIMUM X                   | : | -1.382 | -1.177 | -1.827 |
| MAXIMUM Y                   | : | 1.275  | 1.226  | 1.859  |
| MINIMUM Y                   | : | -1.287 | -1.336 | -1.418 |
| CENTROID X                  | : | .560   | .355   | .582   |
| CENTROID Y                  | : | -.160  | -.111  | .056   |
| POA TO CENTROID in.         | : | .582   | .372   | .505   |
| MIN RADIUS                  | : | .550   | .399   | .479   |
| MEAN RADIUS                 | : | 1.161  | 1.051  | .944   |
| MAX RADIUS                  | : | 1.893  | 1.781  | 1.556  |
| HORIZONTAL SPREAD           | : | 3.222  | 2.319  | 1.822  |
| VERTICAL SPREAD             | : | 2.562  | 2.562  | 2.477  |
| EXTREME SPREAD              | : | 3.331  | 3.291  | 2.936  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8638041

# CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR

1in = 4

2in = 6

3in = 10

HS = 2.374

VS = 2.042

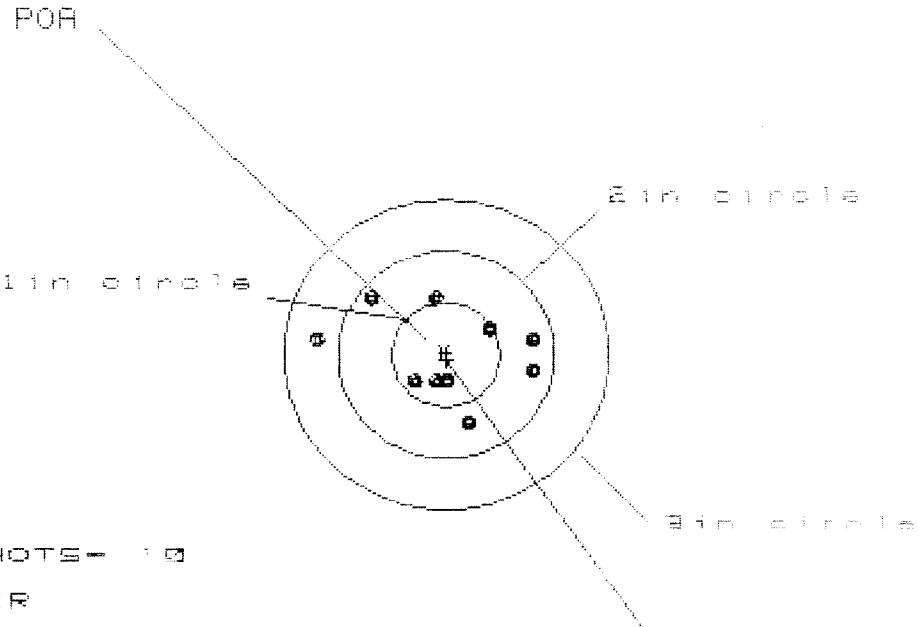
GS = 2.739

| PATTERN #                   | : | 2     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.387 | 1.481 | 1.262 |
| MINIMUM X                   | : | -.987 | -.893 | -.768 |
| MAXIMUM Y                   | : | 1.116 | .461  | .490  |
| MINIMUM Y                   | : | -.925 | -.801 | -.772 |
| CENTROID X                  | : | .411  | .317  | .132  |
| CENTROID Y                  | : | .169  | .044  | .015  |
| FOR TO CENTROID in.         | : | .444  | .320  | .133  |
| MIN RADIUS                  | : | .094  | .056  | .131  |
| MEAN RADIUS                 | : | .779  | .664  | .534  |
| MAX RADIUS                  | : | 1.397 | 1.499 | 1.354 |
| HORIZONTAL SPREAD           | : | 2.374 | 2.374 | 1.970 |
| VERTICAL SPREAD             | : | 2.042 | 1.262 | 1.262 |
| EXTREME SPREAD              | : | 2.739 | 2.591 | 2.340 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8606041

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.996

VS= 1.170

GS= 2.000

CENTROID #

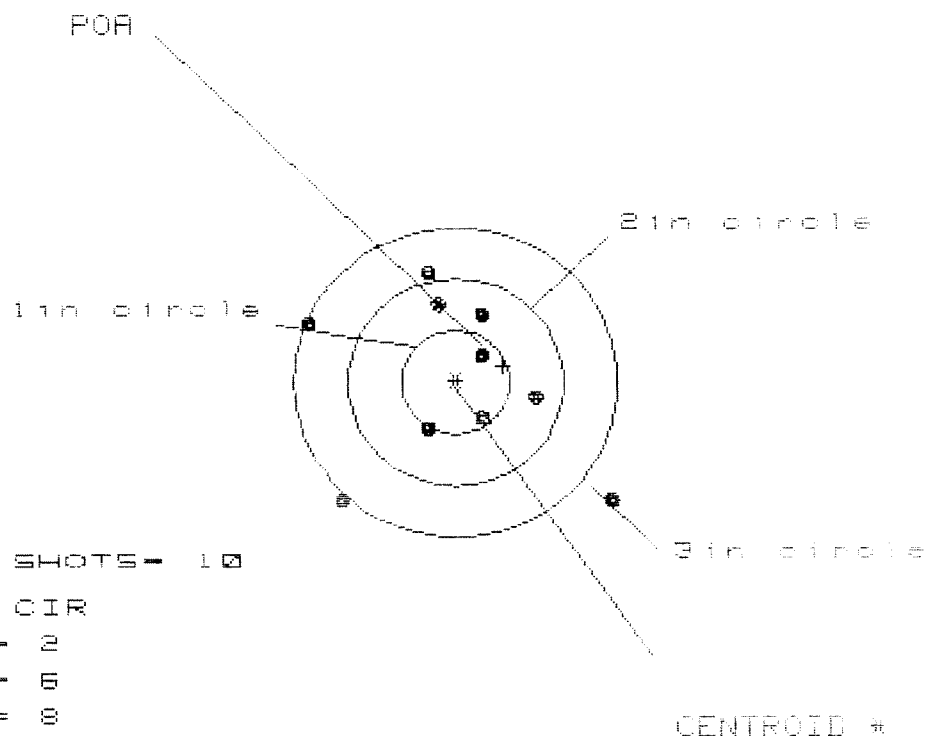
| PATTERN #                   | : | 3      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .854   | .727  | .626  |
| MINIMUM X                   | : | -1.142 | -.811 | -.496 |
| MAXIMUM Y                   | : | .559   | .573  | .642  |
| MINIMUM Y                   | : | -.611  | -.597 | -.528 |
| CENTROID X                  | : | -.009  | .118  | .219  |
| CENTROID Y                  | : | .052   | .038  | -.031 |
| POA TO CENTROID in.         | : | .053   | .124  | .222  |
| MIN RADIUS                  | : | .297   | .323  | .306  |
| MEAN RADIUS                 | : | .646   | .577  | .518  |
| MAX RADIUS                  | : | 1.149  | .981  | .719  |
| HORIZONTAL SPREAD           | : | 1.996  | 1.538 | 1.122 |
| VERTICAL SPREAD             | : | 1.170  | 1.170 | 1.170 |
| EXTREME SPREAD              | : | 2.000  | 1.684 | 1.197 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

7 Jun 1981

FILE:/PATTERNING/CENTERFIRE\_PATT/C883B041

# CENTERFIRE PATTERNS

# 4



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.758

VS= 2.245

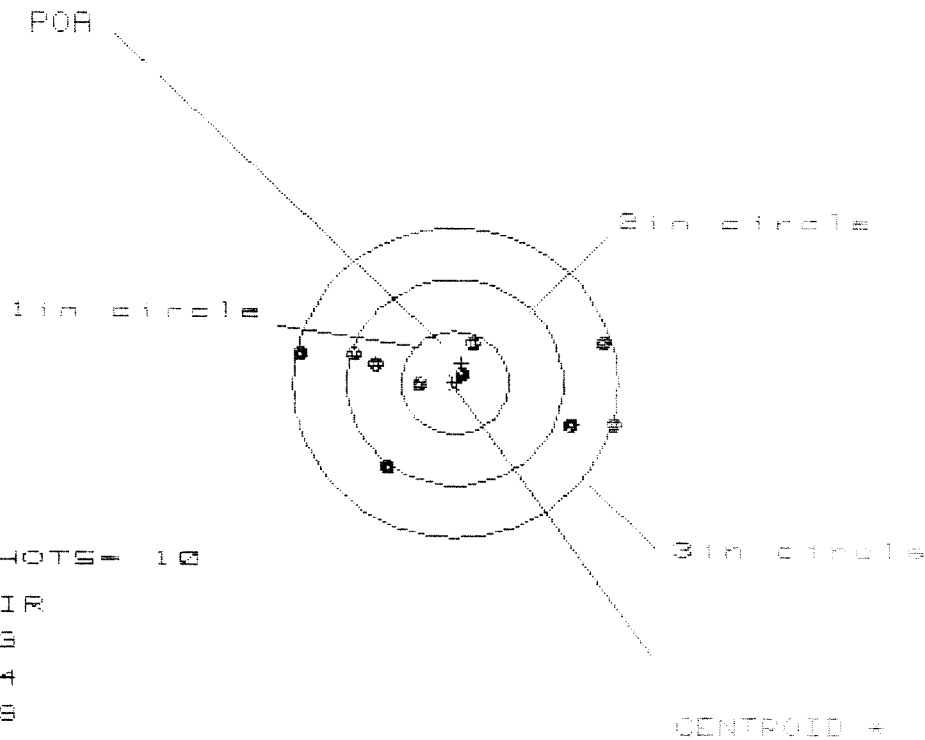
GS= 3.284

| PATTERN #                     | : | 4      |        |        |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.448  | .934   | .827   |
| MINIMUM X                     | : | -1.318 | -1.158 | -1.264 |
| MAXIMUM Y                     | : | 1.069  | .938   | .777   |
| MINIMUM Y                     | : | -1.176 | -1.288 | -1.764 |
| CENTROID X                    | : | -.442  | -.602  | -.495  |
| CENTROID Y                    | : | -.158  | -.027  | .134   |
| POA TO CENTROID in.           | : | .469   | .602   | .513   |
| MIN RADIUS                    | : | .382   | .385   | .282   |
| MEAN RADIUS                   | : | .951   | .853   | .728   |
| MAX RADIUS                    | : | 1.859  | 1.542  | 1.303  |
| HORIZONTAL SPREAD             | : | 2.758  | 2.092  | 2.092  |
| VERTICAL SPREAD               | : | 2.245  | 2.226  | 1.541  |
| EXTREME SPREAD                | : | 3.284  | 2.360  | 2.233  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 8      |        |

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06888041

# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 4

3in = 3

HS= 2.886

VS= 1.270

GS= 2.882

| PATTERN #                     | 5      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.491  | 1.528  | 1.373  |
| MINIMUM X                     | -1.405 | -1.239 | -1.958 |
| MAXIMUM Y                     | .426   | .378   | .406   |
| MINIMUM Y                     | -.844  | -.892  | -.864  |
| CENTROID X                    | -.064  | -.230  | -.075  |
| CENTROID Y                    | -.188  | -.140  | -.168  |
| POR TO CENTROID in.           | .199   | .269   | .184   |
| MIN RADIUS                    | .093   | .193   | .088   |
| MEAN RADIUS                   | .929   | .834   | .785   |
| MAX RADIUS                    | 1.553  | 1.560  | 1.415  |
| HORIZONTAL SPREAD             | 2.896  | 2.767  | 2.331  |
| VERTICAL SPREAD               | 1.270  | 1.270  | 1.270  |
| EXTREME SPREAD                | 2.982  | 2.768  | 2.344  |
| NUMBER IN ONE INCH CIRCLE =   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |