

06648999

MODEL 700<sup>TM</sup> M24

Model **SMS**<sup>TM</sup>

Action

Barrel Length

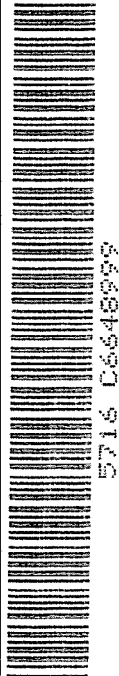
Capacity

Order No. **5716**

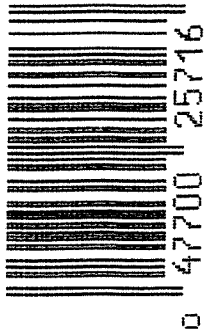
\*Includes 1 in chamber.

*Remington*

|                                                                                                                                                        |  |                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|
| <b>Remington</b><br><br><small>REG. U.S. PAT. &amp; TM. OFF.</small> |  | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700™ H24</b>                                                                                                                                  |  | SERIAL NO.<br><b>C6648999</b>                                                             |
| <small>MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off. Marca Registrada Marque Deposee.</small>                                              |  | ORDER NO.<br><b>5716</b>                                                                  |



LPC



**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648999

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 7 2      | 9 1         | RW   |
| 600          | Proof                                                          | 7 2      | 9 1         | RW   |
| 607          | Check Headspace                                                | 7 2      | 9 1         | RW   |
| 610          | Dis-assemble Gun                                               | 7 2      | 9 1         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | JUL 22 1991 | JS   |
|              | Magnaflux Bolt                                                 |          | JUL 22 1991 | JS   |
| 615          | Rollmark Caliber                                               |          | JUL 22 1991 | JS   |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 22 1991 | LB   |
| 618          | Polish Barrel                                                  |          | 7/22/91     | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 7-22-91     | LB   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/29/91     | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/29/91     | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/29/91     | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/29/91     | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 9-9-91      | JH   |

| op. #        | BARBER M24 0030472<br>OP. NAME                              | READINGS        |                 |                 |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|-----------------|-----------------|-----------------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 $\frac{3}{4}$ | 4 $\frac{3}{4}$ | 5               |      |      | 9-9-91  | DH   |
|              | G) Safety Off Force                                         | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ |      |      | 9-9-91  | DH   |
|              | H) Trigger Pull Test & Retainability                        |                 |                 |                 |      |      | 9-9-91  | JP   |
|              | I) Firing Pin Indent                                        | .021            | .021            | .022            |      |      | 9-9-91  | DH   |
|              | J) Assemble Stock                                           |                 |                 |                 |      |      | 9/12/91 | RW   |
|              | K) Assemble Swivel Studs                                    |                 |                 |                 |      |      | 9/13/91 | JP   |
|              | L) Attach Front and Rear Sight Assemblies                   |                 |                 |                 |      |      | 9/12/91 | RW   |
|              | M) Iron Sight Alignment                                     |                 |                 |                 |      |      | 9/12/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |                 |                 |                 |      |      | 9/12/91 | RW   |
|              | O) Attach Scope to Rifle                                    |                 |                 |                 |      |      | 9/12/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |                 |                 |                 |      |      | 9/12/91 | RW   |
| 640          | Gallery Target & Test                                       |                 |                 |                 |      |      | 9-12-91 | NF   |
|              | A) Time                                                     |                 |                 |                 |      |      | "       | NF   |
|              | B) Malfunctions                                             |                 |                 |                 |      |      | "       | NF   |
|              | C) Pierced Primers                                          |                 |                 |                 |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |                 |                 |                 |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |                 |                 |                 |      |      | 9-12-91 | NF   |
| 655          | Final Inspection                                            |                 |                 |                 |      |      |         |      |
|              | A) Headspace                                                |                 |                 |                 |      |      | 9/13/91 | JP   |
|              | B) Trigger Pull                                             | 2.44            | 2.53            | 2.60            | 2.59 | 2.60 | 9/13/91 | JP   |
|              | C) Function                                                 |                 |                 |                 |      |      | 9/13/91 | JP   |
| 660.         | Pack                                                        |                 |                 |                 |      |      | 9-19-91 | NF   |

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

SERIAL NO. C 6648999DATE 9-9-91TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.39             | 2.32                     | 2.35                           | 2.44 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.40             | 2.20                     | 2.38                           | 2.53 |                                                                        |
| PULL #3 | 2.54             | 2.22                     | 2.25                           | 2.60 |                                                                        |
| PULL #4 | 2.67             | 2.52                     | 2.28                           | 2.59 |                                                                        |
| PULL #5 | 2.65             | 2.48                     | 2.44                           | 2.60 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.56             | 3.50                     |  |          |
| PULL #2 | 3.56             | 3.50                     |  |          |
| PULL #3 | 3.60             | 3.38                     |  |          |
| PULL #4 | 3.47             | 3.37                     |  |          |
| PULL #5 | 3.55             | 3.47                     |  |          |
| 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 | 4.43             | 4.35                     |                                | 4.34                                 |
| PULL #2 | 4.35             | 4.42                     |                                | 4.34                                 |
| PULL #3 | 4.46             | 4.22                     |                                | 4.31                                 |
| PULL #4 | 4.43             | 4.34                     |                                | 4.42                                 |
| PULL #5 | 4.34             | 4.20                     |                                | 4.31                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

|   |    |   |          |
|---|----|---|----------|
| 0 | TO | 1 | .165048  |
| 1 | TO | 2 | .351923  |
| 1 | TO | 3 | .0394588 |
| 1 | TO | 4 | .245     |
| 1 | TO | 5 | .217479  |

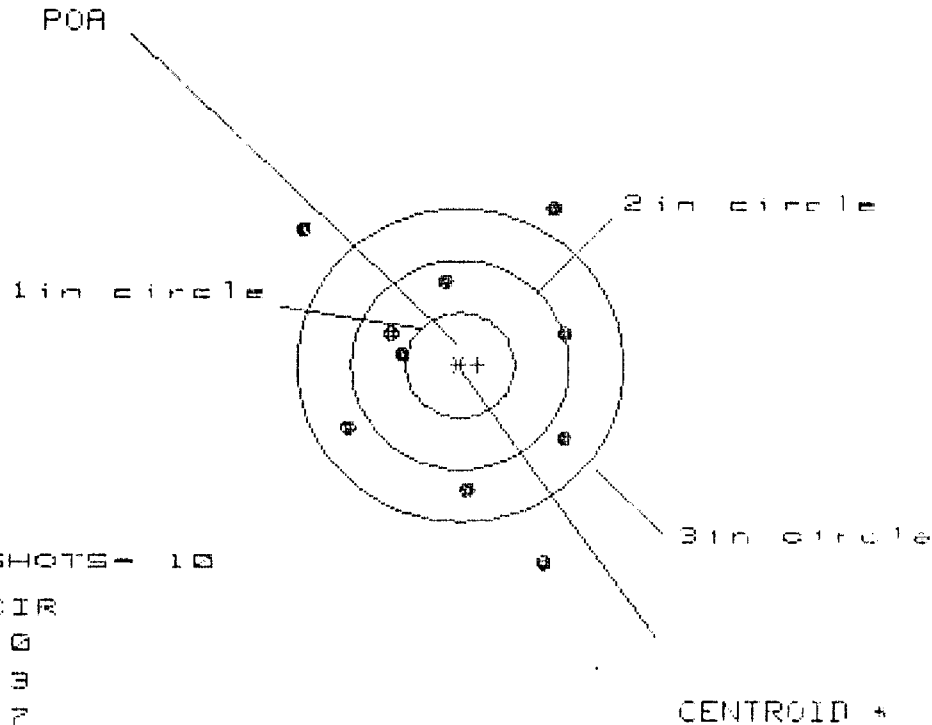
6-1-1-FOIA

**BARBER - M24** **M2400030513**

12 Sep 1991

FILE: /PATTERNING/CENTERFIRE\_PATT/06648359

## CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 2.383

VS = 3.413

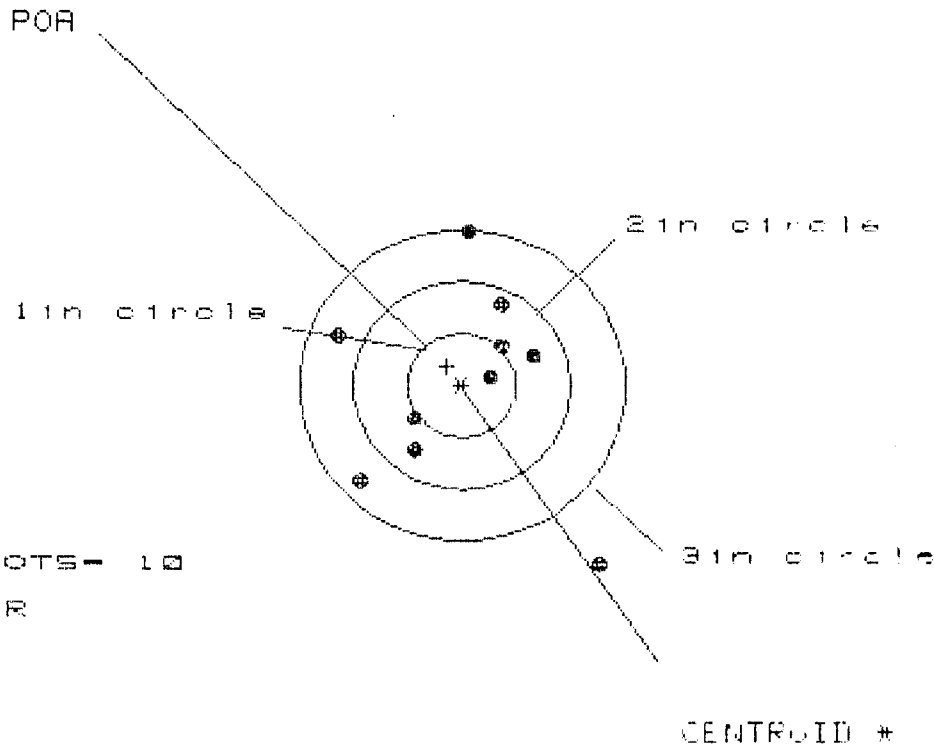
GS = 3.838

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .995   | 1.082  | .919   |
| MINIMUM X                     | -1.388 | -1.301 | -1.080 |
| MAXIMUM Y                     | 1.553  | 1.346  | 1.484  |
| MINIMUM Y                     | -1.860 | -1.379 | -1.241 |
| CENTROID X                    | -.165  | -.252  | -.089  |
| CENTROID Y                    | -.004  | .203   | .065   |
| POR TO CENTROID in.           | .165   | .323   | .110   |
| MIN RADIUS                    | .519   | .429   | .584   |
| MEAN RADIUS                   | 1.230  | 1.112  | 1.050  |
| MAX RADIUS                    | 2.016  | 1.706  | 1.683  |
| HORIZONTAL SPREAD             | 2.383  | 2.383  | 1.999  |
| VERTICAL SPREAD               | 3.413  | 2.725  | 2.725  |
| EXTREME SPREAD                | 3.838  | 3.087  | 2.864  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.381

VS= 3.183

GS= 3.406

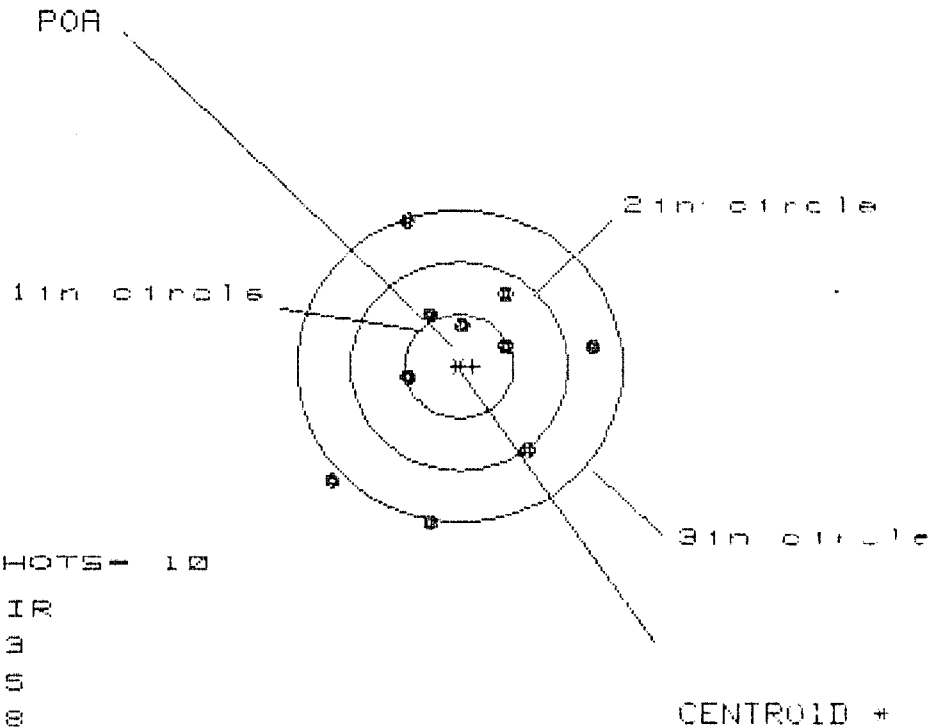
| PATTERN #                     | : | 2      |        |       |
|-------------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | 1.254  | .770   | .793  |
| MINIMUM X                     | : | -1.127 | -.988  | -.965 |
| MAXIMUM Y                     | : | 1.491  | 1.303  | .805  |
| MINIMUM Y                     | : | -1.692 | -1.093 | -.931 |
| CENTROID X                    | : | .138   | -.001  | -.024 |
| CENTROID Y                    | : | -.183  | .005   | -.157 |
| POA TO CENTROID in.           | : | .229   | .005   | .159  |
| MIN RADIUS                    | : | .281   | .423   | .431  |
| MEAN RADIUS                   | : | .980   | .854   | .783  |
| MAX RADIUS                    | : | 2.106  | 1.344  | 1.201 |
| HORIZONTAL SPREAD             | : | 2.381  | 1.758  | 1.758 |
| VERTICAL SPREAD               | : | 3.183  | 2.396  | 1.736 |
| EXTREME SPREAD                | : | 3.406  | 2.582  | 2.156 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |       |
| 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 = 3

2in = 5

3in = 8

HS = 2.465

VS = 2.874

GS = 2.883

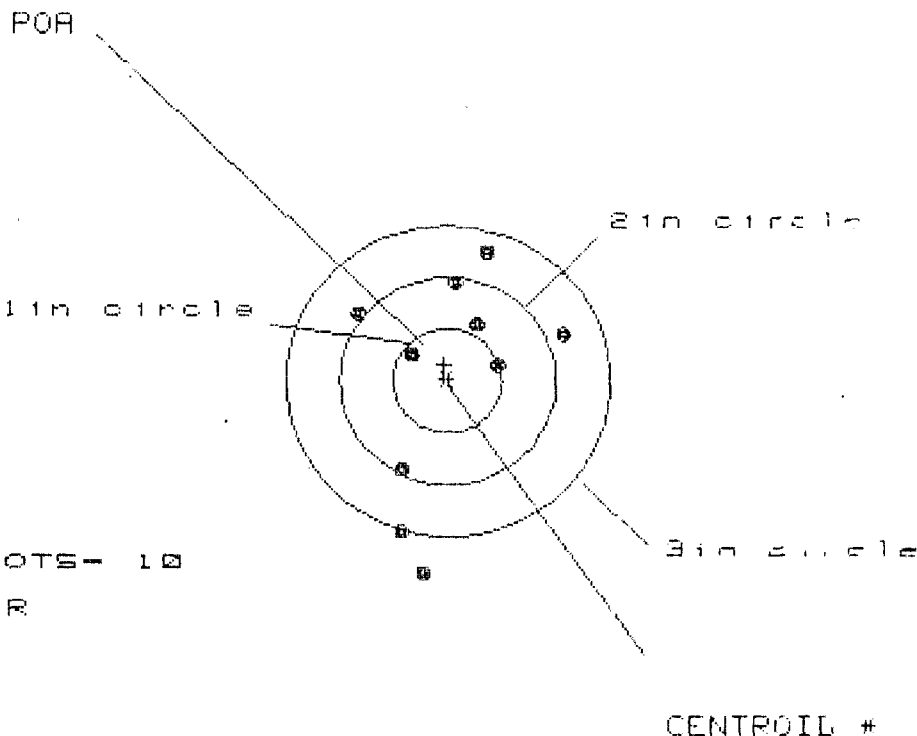
CENTROID +

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.273  | 1.141  | 1.088  |
| MINIMUM X                   | : | -1.192 | -.650  | -.703  |
| MAXIMUM Y                   | : | 1.376  | 1.257  | 1.055  |
| MINIMUM Y                   | : | -1.498 | -1.617 | -1.108 |
| CENTROID X                  | : | -.126  | .006   | .059   |
| CENTROID Y                  | : | .002   | .121   | .323   |
| POA TO CENTROID in.         | : | .126   | .121   | .328   |
| MIN RADIUS                  | : | .421   | .257   | .174   |
| MEAN RADIUS                 | : | .965   | .858   | .713   |
| MAX RADIUS                  | : | 1.604  | 1.670  | 1.268  |
| HORIZONTAL SPREAD           | : | 2.465  | 1.791  | 1.791  |
| VERTICAL SPREAD             | : | 2.874  | 2.874  | 2.163  |
| EXTREME SPREAD              | : | 2.883  | 2.883  | 2.468  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS = 1.936

VS = 3.084

GS = 3.152

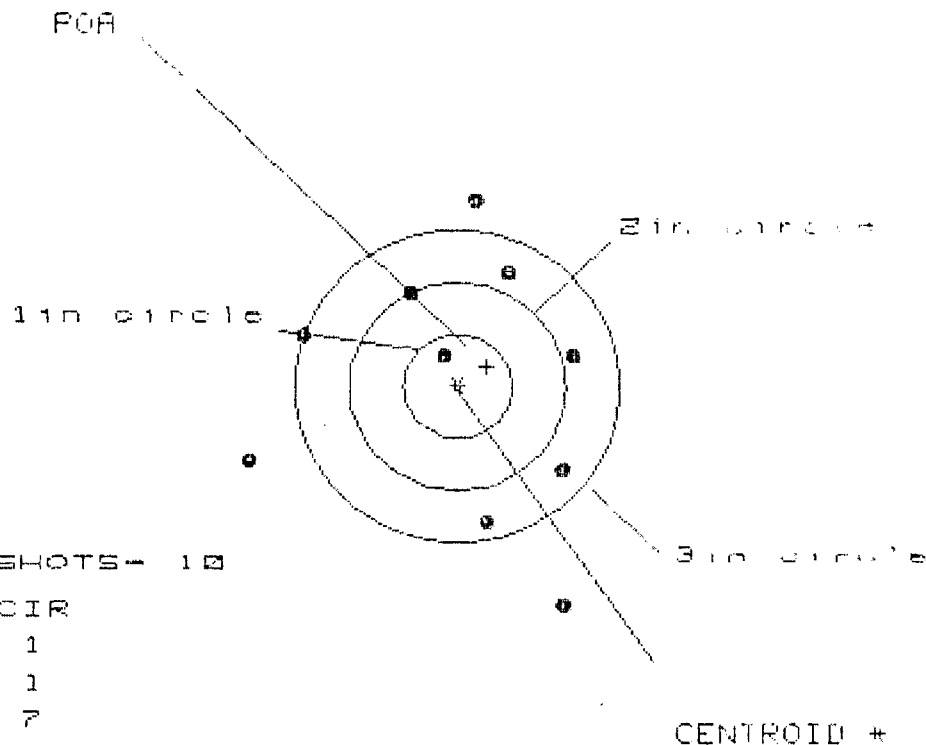
CENTROID #

| PATTERN #                     | 4      | 4      | 4      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.104  | 1.075  | 1.022  |
| MINIMUM X                     | -.832  | -.861  | -.913  |
| MAXIMUM Y                     | 1.205  | .996   | .786   |
| MINIMUM Y                     | -1.879 | -1.685 | -1.281 |
| CENTROID X                    | .031   | .060   | .112   |
| CENTROID Y                    | -.151  | .058   | .268   |
| POA TO CENTROID in.           | .154   | .083   | .291   |
| MIN RADIUS                    | .457   | .391   | .204   |
| MEAN RADIUS                   | 1.038  | .888   | .732   |
| MAX RADIUS                    | 1.897  | 1.736  | 1.379  |
| HORIZONTAL SPREAD             | 1.936  | 1.936  | 1.936  |
| VERTICAL SPREAD               | 3.084  | 2.681  | 2.067  |
| EXTREME SPREAD                | 3.152  | 2.792  | 2.223  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

Sg 1531

FILE: PATTERNING/CENTERFIRE\_PATT/C6646399

## CENTERFIRE PATTERNS # 5



# OF SHOTS - 10

# IN CIR

1in = 1

2in = 1

3in = 7

HS = 2.993

VS = 3.842

GS = 3.906

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | 1.060  |
| MINIMUM X                     | -1.933 |
| MAXIMUM Y                     | 1.764  |
| MINIMUM Y                     | -2.079 |
| CENTROID X                    | -.269  |
| CENTROID Y                    | -.195  |
| POA TO CENTROID in.           | .332   |
| MIN RADIUS                    | .296   |
| MEAN RADIUS                   | 1.378  |
| MAX. RADIUS                   | 2.275  |
| HORIZONTAL SPREAD             | 2.993  |
| VERTICAL SPREAD               | 3.842  |
| EXTREME SPREAD                | 3.906  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |
| NUMBER IN TWO INCH CIRCLE =   | 1      |
| NUMBER IN THREE INCH CIRCLE = | 7      |