

C6611682

MODEL 700™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



|                                                                                                     |  |                                             |                                                                                           |
|-----------------------------------------------------------------------------------------------------|--|---------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Remington</b> <sup>®</sup>                                                                       |  | <b>DU PONT</b><br>REG. U.S. PAT. & TM. OFF. | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700<sup>TM</sup> H24</b>                                                                   |  | <b>SERIAL NO.</b><br>C6611682               | <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.                |  | 46                                          |                                                                                           |
| <br>5716 C6611682 |  |                                             |                                                                                           |

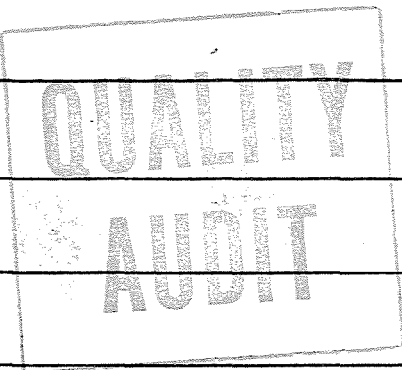
UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611682

| OP. #     | OP. NAME                                                 | READINGS                                                                           | DATE    | INIT |
|-----------|----------------------------------------------------------|------------------------------------------------------------------------------------|---------|------|
| 575 & 580 | Assemble Action and Stock                                |  | 3/25/91 | RW   |
| 600       | Proof                                                    |                                                                                    | 3/25/91 | RW   |
| 607       | Check Headspace                                          |                                                                                    | 3/25/91 | RW   |
| 610       | Dis-assemble Gun                                         |                                                                                    | 3/25/91 | RW   |
| 612       | Magnaflux Barrel Action                                  |                                                                                    | 3 28 91 | KR   |
|           | Magnaflux Bolt                                           | 3 28 91                                                                            |         | U    |
| 615       | Rollmark Caliber                                         | 3 28 91                                                                            |         | JS   |
| 617       | Drill and Tap Sight Holes                                | APR                                                                                | 3 1991  | FB   |
| 618       | Polish Barrel                                            | APR                                                                                | 3 1991  | WB   |
| 620       | Apply Coatings (Barrel Action)                           |                                                                                    | 4-11-91 | JS   |
|           | Apply Coating (Bolt)                                     |                                                                                    |         |      |
| 625       | Final Assembly                                           |                                                                                    |         |      |
|           | A) Clean inside of Bolt Assembly                         |                                                                                    | 5/16/91 | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                                                                                    | 4/16/91 | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |                                                                                    | 4/16/91 | RW   |
|           | D) Oil Firing Pin Ass'y                                  |                                                                                    | 4/16/91 | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                                                                                    | 5/4/91  | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 5/4/91  | RM   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 5/4/91  | RM   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5/4/91  | RM   |
|              | I) Firing Pin Indent                                        | .0235    | .023 | .023 |      |      | 5/4/91  | RM   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/6/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 5-9-91  | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/6/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/6/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/6/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/6/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/6/91  | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5-6-91  | AC   |
|              | A) Time                                                     |          |      |      |      |      | 5-6-91  | AC   |
|              | B) Malfunctions                                             |          |      |      |      |      | 5-6-91  | AC   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 5-6-91  | AC   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 5-6-91  | AC   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5-6-91  | AC   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 5-9-91  | AC   |
|              | B) Trigger Pull                                             | 2.35     | 2.33 | 2.23 | 2.31 | 2.32 | 5/9/91  | RM   |
|              | C) Function                                                 |          |      |      |      |      | 5-9-91  | AC   |
| 660          | Pack                                                        |          |      |      |      |      | 6-18-91 | NF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6611682

DATE 5/4/91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.49             | 2.41                     | 2.45                           | 2.35 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.45             | 2.42                     | 2.41                           | 2.33 |                                                                        |
| PULL #3 | 2.56             | 2.39                     | 2.43                           | 2.23 |                                                                        |
| PULL #4 | 2.51             | 2.45                     | 2.46                           | 2.31 |                                                                        |
| PULL #5 | 2.40             | 2.43                     | 2.46                           | 2.32 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.55             | 3.40                     |  |          |
| PULL #2 | 3.51             | 3.49                     |  |          |
| PULL #3 | 3.26             | 3.42                     |  |          |
| PULL #4 | 3.56             | 3.53                     |  |          |
| PULL #5 | 3.55             | 3.56                     |  |          |
| 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 | 4.33             | 4.38                     |                                | 4.42                                 |
| PULL #2 | 4.37             | 4.40                     |                                | 4.46                                 |
| PULL #3 | 4.29             | 4.44                     |                                | 4.34                                 |
| PULL #4 | 4.39             | 4.41                     |                                | 4.41                                 |
| PULL #5 | 4.36             | 4.42                     |                                | 4.36                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6611682  
6 May 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .121433 |
| 1 TO | 2 | .764438 |
| 1 TO | 3 | .283981 |
| 1 TO | 4 | .432261 |
| 1 TO | 5 | .689162 |

4 2  
4 5 <-----FOR

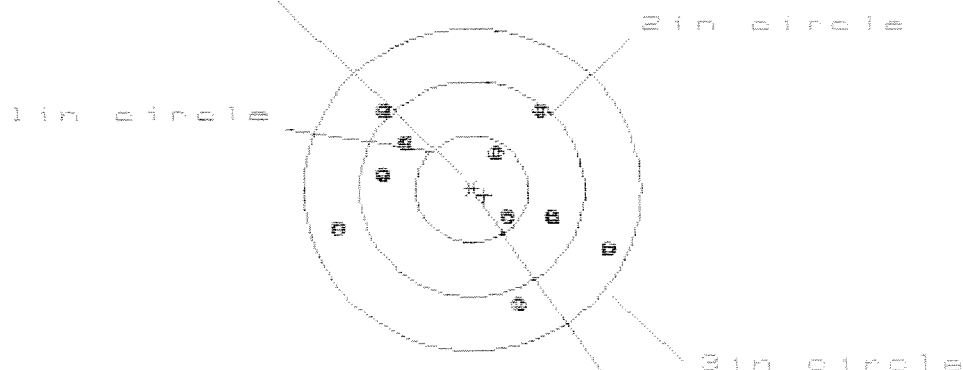
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .203  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2006  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .265392  
THE AMR FOR THIS RIFLE IS: .9728

6 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8611662

# CENTERFIRE PATTERNS # 1

POR



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.350

VS= 1.853

GS= 2.453

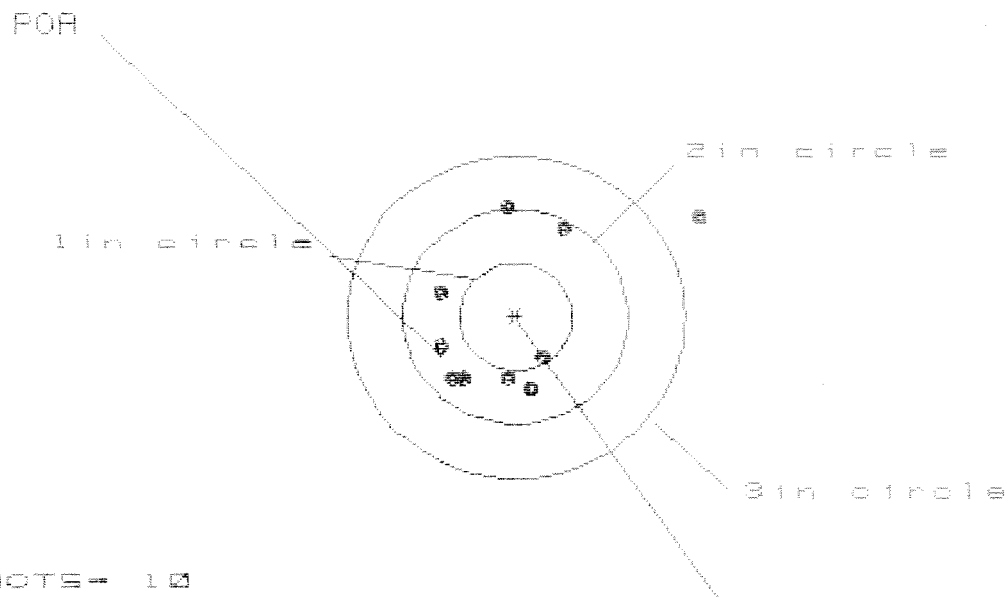
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.204  | .865   | .738   |
| MINIMUM X                     | -1.146 | -1.012 | -.815  |
| MAXIMUM Y                     | .787   | .720   | .670   |
| MINIMUM Y                     | -1.066 | -1.133 | -1.183 |
| CENTROID X                    | -.105  | -.239  | -.112  |
| CENTROID Y                    | .061   | .128   | .178   |
| POR TO CENTROID in.           | .121   | .271   | .210   |
| MIN RADIUS                    | .384   | .433   | .307   |
| MEAN RADIUS                   | .898   | .842   | .794   |
| MAX RADIUS                    | 1.348  | 1.249  | 1.240  |
| HORIZONTAL SPREAD             | 2.350  | 1.877  | 1.553  |
| VERTICAL SPREAD               | 1.853  | 1.853  | 1.853  |
| EXTREME SPREAD                | 2.453  | 2.210  | 2.210  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 2.349

VS= 1.701

GS= 2.658

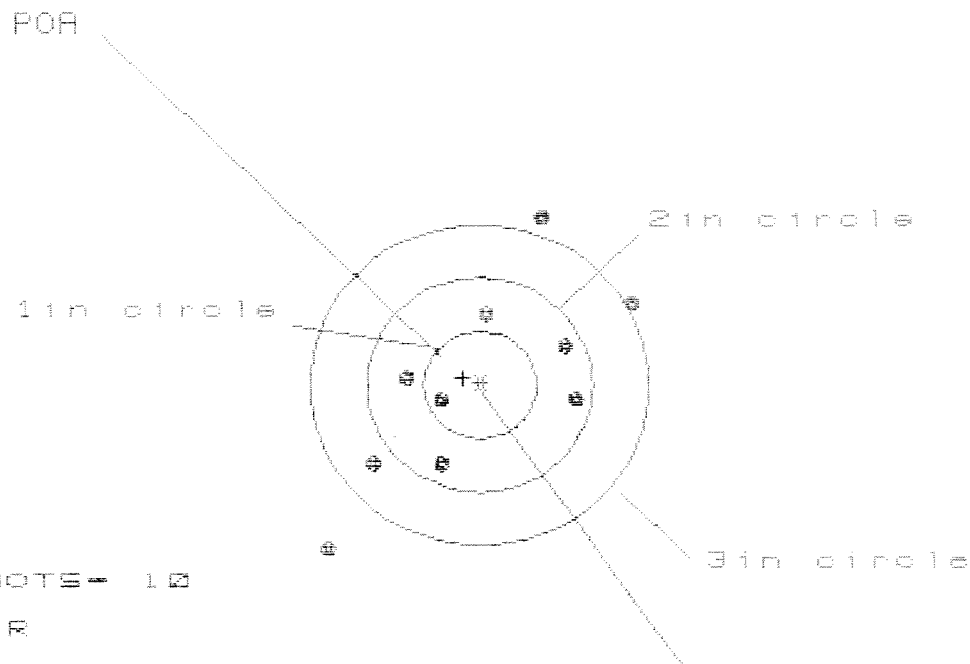
CENTROID #

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 2     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.670 | .572  | .588  |
| MINIMUM X                   | : | -.679 | -.493 | -.477 |
| MAXIMUM Y                   | : | 1.042 | 1.140 | 1.123 |
| MINIMUM Y                   | : | -.660 | -.561 | -.418 |
| CENTROID X                  | : | .468  | .282  | .266  |
| CENTROID Y                  | : | .567  | .468  | .325  |
| POA TO CENTROID in.         | : | .735  | .546  | .420  |
| MIN RADIUS                  | : | .434  | .475  | .382  |
| MEAN RADIUS                 | : | .854  | .684  | .581  |
| MAX RADIUS                  | : | 1.892 | 1.148 | 1.268 |
| HORIZONTAL SPREAD           | : | 2.349 | 1.065 | 1.065 |
| VERTICAL SPREAD             | : | 1.701 | 1.701 | 1.541 |
| EXTREME SPREAD              | : | 2.658 | 1.739 | 1.739 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9     |       |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 5

3in = 7

HS = 2.653

VS = 3.023

GS = 3.574

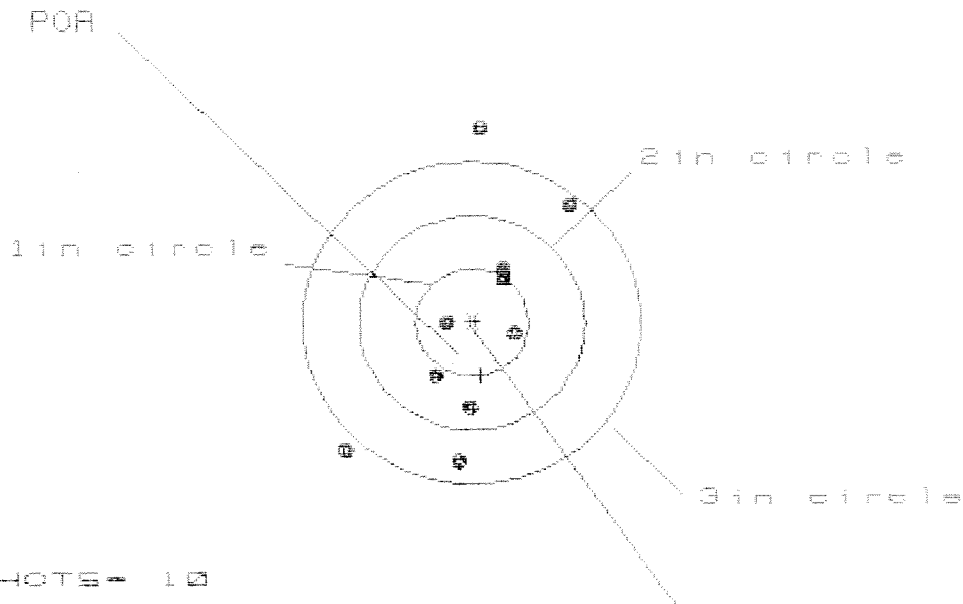
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.341  | 1.195  | 1.252  |
| MINIMUM X                   | : | -1.312 | -1.063 | -1.006 |
| MAXIMUM Y                   | : | 1.518  | 1.350  | .735   |
| MINIMUM Y                   | : | -1.506 | -.949  | -.780  |
| CENTROID X                  | : | .149   | .295   | .238   |
| CENTROID Y                  | : | -.066  | .101   | -.068  |
| POA TO CENTROID in.         | : | .163   | .311   | .248   |
| MIN RADIUS                  | : | .404   | .488   | .489   |
| MEAN RADIUS                 | : | 1.058  | .945   | .874   |
| MAX RADIUS                  | : | 1.997  | 1.423  | 1.451  |
| HORIZONTAL SPREAD           | : | 2.653  | 2.258  | 2.258  |
| VERTICAL SPREAD             | : | 3.023  | 2.299  | 1.515  |
| EXTREME SPREAD              | : | 3.574  | 2.736  | 2.709  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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# CENTERFIRE PATTERNS # 4



# OF SHOTS = 16

# IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.007

VS = 3.106

GS = 3.256

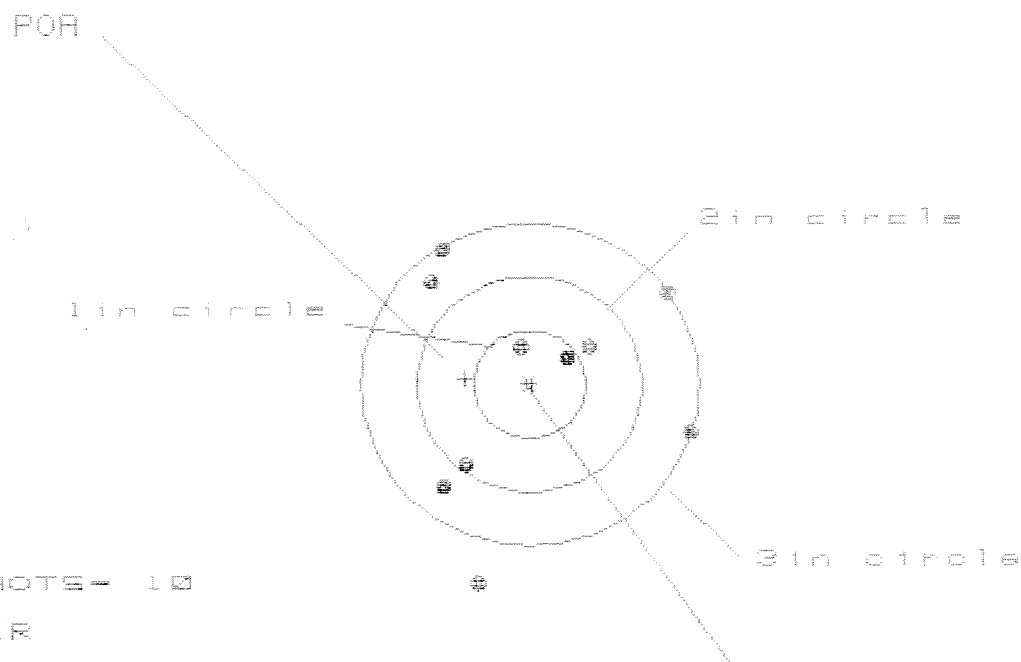
CENTROID #

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 4      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | .853   | .862   | .719   |
| MINIMUM X                     | : | -1.154 | -1.145 | -.483  |
| MAXIMUM Y                     | : | 1.814  | 1.342  | 1.217  |
| MINIMUM Y                     | : | -1.292 | -1.090 | -1.215 |
| CENTROID X                    | : | -.072  | -.081  | .062   |
| CENTROID Y                    | : | .492   | .290   | .415   |
| POA TO CENTROID in.           | : | .497   | .301   | .420   |
| MIN RADIUS                    | : | .262   | .338   | .287   |
| MEAN RADIUS                   | : | .931   | .822   | .721   |
| MAX RADIUS                    | : | 1.816  | 1.595  | 1.413  |
| HORIZONTAL SPREAD             | : | 2.007  | 2.007  | 1.202  |
| VERTICAL SPREAD               | : | 3.106  | 2.432  | 2.432  |
| EXTREME SPREAD                | : | 3.256  | 3.082  | 2.612  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 8      |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.271

VS= 3.105

GS= 3.213

CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 5      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.425  | 1.370  | 1.520  |
| MINIMUM X                   | : | -.846  | -.901  | -.751  |
| MAXIMUM Y                   | : | 1.272  | 1.069  | 1.151  |
| MINIMUM Y                   | : | -1.833 | -1.178 | -1.097 |
| CENTROID X                  | : | .575   | .630   | .480   |
| CENTROID Y                  | : | -.051  | .152   | .071   |
| POA TO CENTROID in.         | : | .577   | .648   | .486   |
| MIN RADIUS                  | : | .361   | .207   | .247   |
| MEAN RADIUS                 | : | 1.123  | .991   | .957   |
| MAX RADIUS                  | : | 1.900  | 1.532  | 1.635  |
| HORIZONTAL SPREAD           | : | 2.271  | 2.271  | 2.271  |
| VERTICAL SPREAD             | : | 3.105  | 2.247  | 2.247  |
| EXTREME SPREAD              | : | 3.213  | 2.781  | 2.781  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |