

C6636195

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

\*Includes 1 in chamber.

*Remington*

**Remington**<sup>®</sup>

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

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

|                               |            |                                 |
|-------------------------------|------------|---------------------------------|
| <b>MODEL 700<sup>TM</sup></b> | <b>H24</b> | <b>SERIAL NO.</b><br>C6636195   |
|                               |            | <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.

  
5716 C6636195

UPC

  
0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

**C6636195**

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 4/3/91      | K.S. |
| 600          | Proof                                                          |          | 4/3/91      | K.S. |
| 607          | Check Headspace                                                |          | 4/3/91      | K.S. |
| 610          | Dis-assemble Gun                                               |          | 4/3/91      | K.S. |
| 612          | Magnaflux Barrel<br>Action                                     |          | 4/10/91     | KR   |
|              | Magnaflux Bolt                                                 |          | 4/10/91     | LI   |
| 615          | Rollmark Caliber                                               |          | 4/10/91     | YJ   |
| 617          | Drill and Tap Sight Holes                                      |          | APR 19 1991 | EB   |
| 618          | Polish Barrel                                                  |          | APR 19 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 5-10-91     | YJ   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/28/91     | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/28/91     | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/28/91     | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/28/91     | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5-30-91     | D/H  |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 6    | 6    |      |      | 5-30-91 | DH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 5-30-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5-30-91 | DH   |
|              | I) Firing Pin Indent                                        | .023     | .022 | .023 |      |      | 5-30-91 | DH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/30/91 | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-8-91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/30/91 | KS   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/30/91 | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/30/91 | KS   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/30/91 | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/30/91 | KS   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 6-3-91  | NF   |
|              | A) Time                                                     |          |      |      |      |      | "       | NF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | NF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 6-3-91  | NF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 6-8-91  | NH   |
|              | B) Trigger Pull                                             | 2.64     | 2.66 | 2.58 | 2.60 | 2.39 | 6-8-91  | 021  |
|              | C) Function                                                 |          |      |      |      |      | 6-8-91  | NH   |
| 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. C6636195

DATE 7-30-91

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.62             | 2.44                     | 2.32                           | 2.64 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.63             | 2.29                     | 2.80                           | 2.66 |                                                                        |
| PULL #3 | 2.94             | 2.04                     | 2.82                           | 2.58 |                                                                        |
| PULL #4 | 2.88             | 2.03                     | 2.86                           | 2.60 |                                                                        |
| PULL #5 | 2.79             | 2.00                     | 2.65                           | 2.39 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.29             | 2.86                     |  |          |
| PULL #2 | 3.25             | 3.12                     |  |          |
| PULL #3 | 3.45             | 3.09                     |  |          |
| PULL #4 | 3.50             | 2.94                     |  |          |
| PULL #5 | 3.04             | 3.02                     |  |          |
| 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 | 4.54             | 4.18                     |                                | 4.61                                 |
| PULL #2 | 4.36             | 4.21                     |                                | 4.56                                 |
| PULL #3 | 4.34             | 4.38                     |                                | 4.63                                 |
| PULL #4 | 4.31             | 4.36                     |                                | 4.54                                 |
| PULL #5 | 4.22             | 4.19                     |                                | 4.84                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6636195  
JUN 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .135    |
| 1 TO | 2 | .232215 |
| 1 TO | 3 | .281656 |
| 1 TO | 4 | .29598  |
| 1 TO | 5 | .156541 |

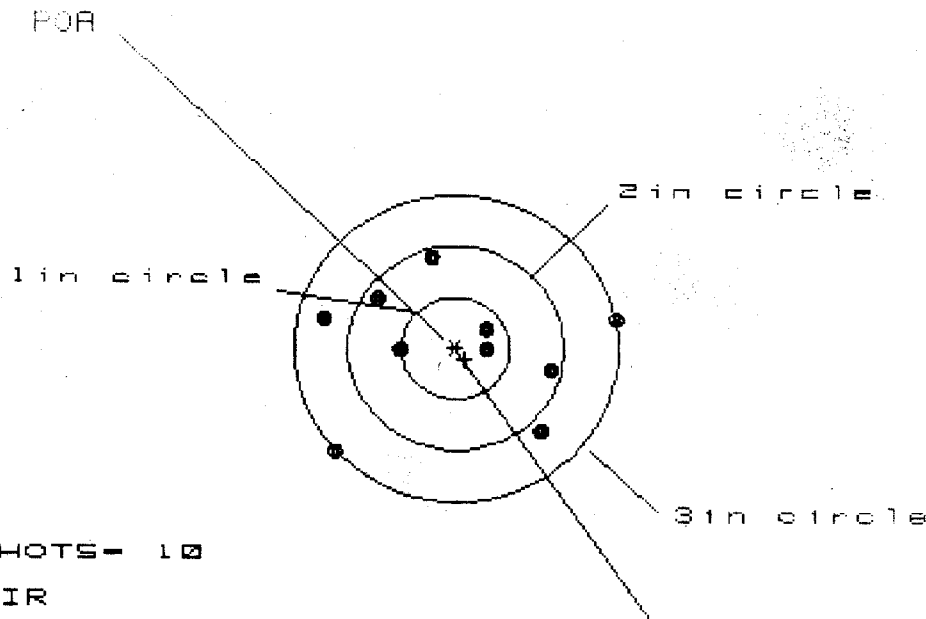
✶ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0128  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0308  
THE RESULTING AVERAGE PCT RADIUS FOR THIS RIFLE IS: .033359  
THE AMR FOR THIS RIFLE IS: 1.019

3 JUL 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/08636195

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.664

VS= 1.858

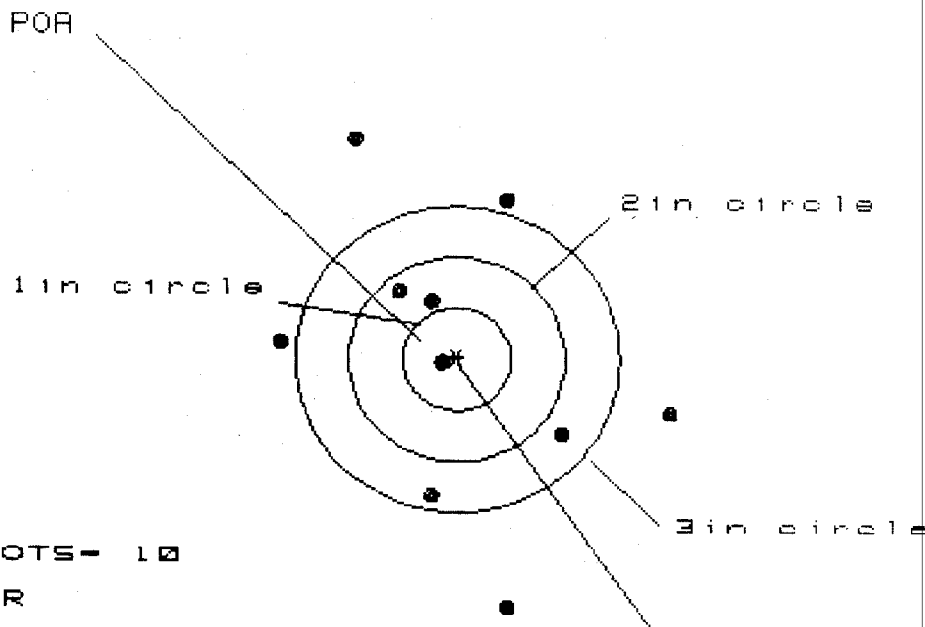
GS= 2.857

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.473  | 1.051  | .937   |
| MINIMUM X                   | : | -1.191 | -1.027 | -1.141 |
| MAXIMUM Y                   | : | .898   | .934   | .819   |
| MINIMUM Y                   | : | -.960  | -.924  | -.933  |
| CENTROID X                  | : | -.081  | -.245  | -.131  |
| CENTROID Y                  | : | .108   | .072   | .187   |
| POA TO CENTROID in.         | : | .135   | .255   | .228   |
| MIN RADIUS                  | : | .244   | .320   | .307   |
| MEAN RADIUS                 | : | .907   | .842   | .762   |
| MAX RADIUS                  | : | 1.509  | 1.300  | 1.251  |
| HORIZONTAL SPREAD           | : | 2.664  | 2.078  | 2.078  |
| VERTICAL SPREAD             | : | 1.858  | 1.858  | 1.752  |
| EXTREME SPREAD              | : | 2.857  | 2.278  | 2.278  |
| NUMBER IN ONE INCH CIRCLE   | = | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 3

3in = 5

HS= 3.633

VS= 4.600

GS= 4.813

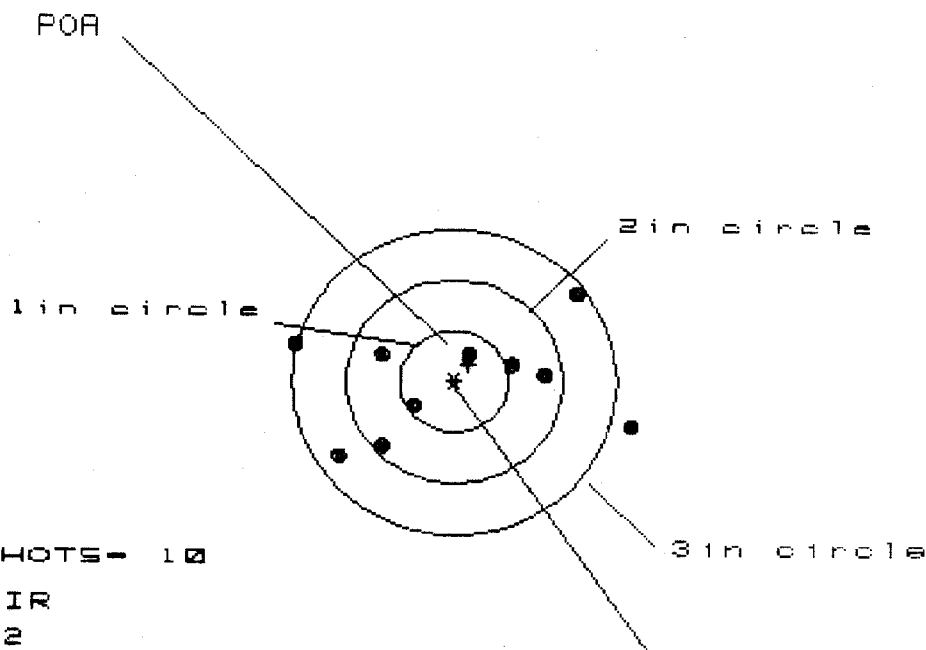
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : |        |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.958  | 2.009  | 1.897  |
| MINIMUM X                   | : | -1.675 | -1.624 | -1.736 |
| MAXIMUM Y                   | : | 2.124  | 1.848  | 1.498  |
| MINIMUM Y                   | : | -2.476 | -1.588 | -1.357 |
| CENTROID X                  | : | .137   | .086   | .198   |
| CENTROID Y                  | : | .028   | .304   | .072   |
| POA TO CENTROID in.         | : | .140   | .315   | .211   |
| MIN RADIUS                  | : | .194   | .366   | .267   |
| MEAN RADIUS                 | : | 1.443  | 1.292  | 1.205  |
| MAX RADIUS                  | : | 2.520  | 2.148  | 1.969  |
| HORIZONTAL SPREAD           | : | 3.633  | 3.633  | 3.633  |
| VERTICAL SPREAD             | : | 4.600  | 3.436  | 2.855  |
| EXTREME SPREAD              | : | 4.813  | 3.906  | 3.694  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 5      |        |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 3.185

VS= 1.528

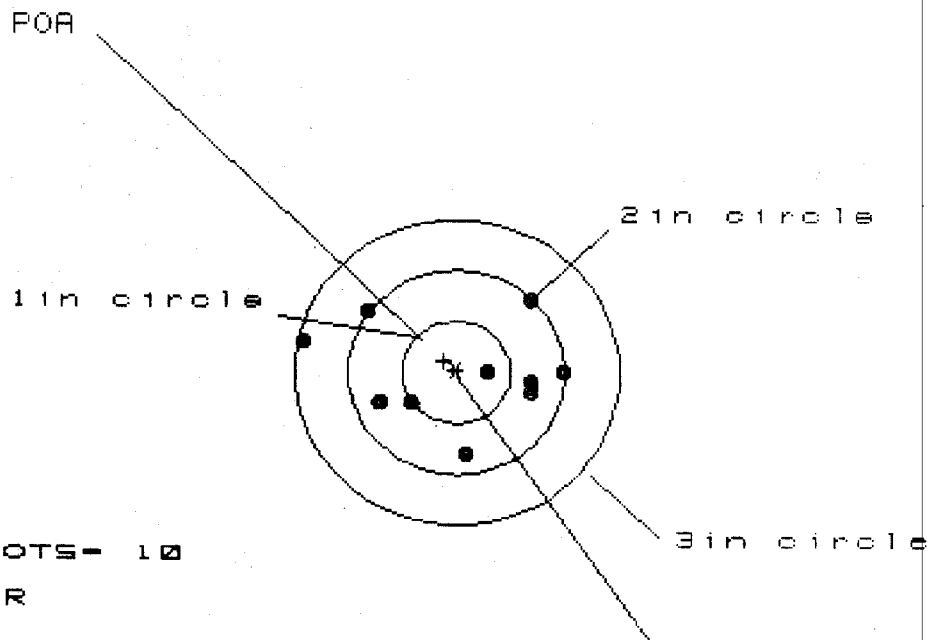
GS= 3.306

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.681  | 1.361  | 1.196  |
| MINIMUM X                   | : | -1.504 | -1.317 | -1.090 |
| MAXIMUM Y                   | : | .841   | .788   | .833   |
| MINIMUM Y                   | : | -.687  | -.740  | -.695  |
| CENTROID X                  | : | -.132  | -.319  | -.154  |
| CENTROID Y                  | : | -.169  | -.116  | -.161  |
| POA TO CENTROID in.         | : | .214   | .339   | .223   |
| MIN RADIUS                  | : | .272   | .329   | .276   |
| MEAN RADIUS                 | : | .972   | .872   | .801   |
| MAX RADIUS                  | : | 1.746  | 1.573  | 1.458  |
| HORIZONTAL SPREAD           | : | 3.185  | 2.678  | 2.286  |
| VERTICAL SPREAD             | : | 1.528  | 1.528  | 1.528  |
| EXTREME SPREAD              | : | 3.306  | 2.750  | 2.750  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |

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# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in - 1

2 in - 5

3 in - 10

HS- 2.427

VS- 1.542

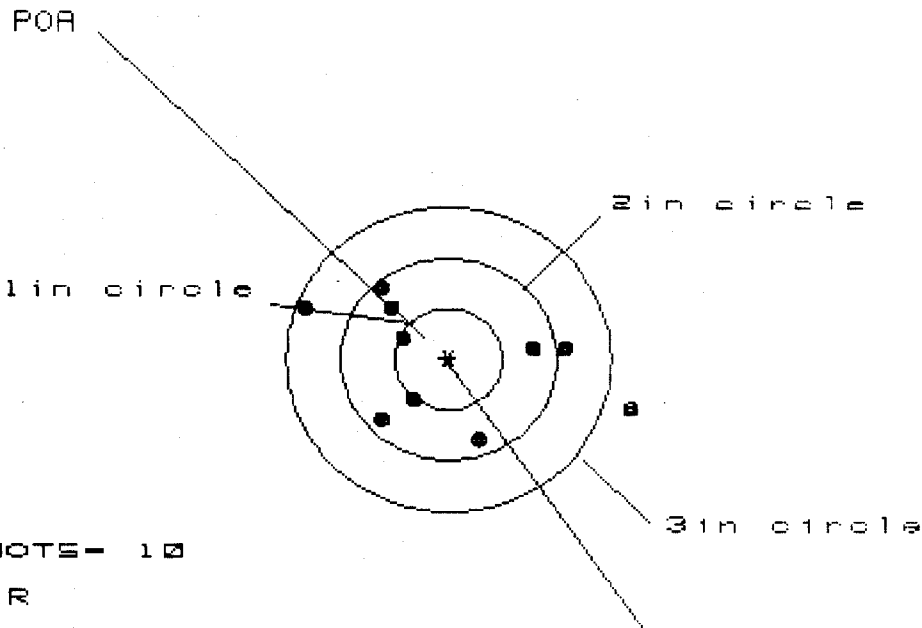
GS- 2.453

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : |        |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | 1.023  | .868   | .741   |
| MINIMUM X                     | : | -1.403 | -1.013 | -1.015 |
| MAXIMUM Y                     | : | .731   | .768   | .845   |
| MINIMUM Y                     | : | -.811  | -.774  | -.697  |
| CENTROID X                    | : | .117   | .272   | .399   |
| CENTROID Y                    | : | -.112  | -.149  | -.226  |
| POA TO CENTROID in.           | : | .162   | .311   | .459   |
| MIN RADIUS                    | : | .284   | .148   | .155   |
| MEAN RADIUS                   | : | .832   | .730   | .645   |
| MAX RADIUS                    | : | 1.442  | 1.185  | 1.025  |
| HORIZONTAL SPREAD             | : | 2.427  | 1.881  | 1.756  |
| VERTICAL SPREAD               | : | 1.542  | 1.542  | 1.542  |
| EXTREME SPREAD                | : | 2.453  | 1.975  | 1.771  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10     |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.960

VS= 1.531

GS= 3.150

CENTROID \*

| PATTERN #                   | : |        |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.676  | 1.300  | 1.163 |
| MINIMUM X                   | : | -1.284 | -1.098 | -.564 |
| MAXIMUM Y                   | : | .733   | .674   | .735  |
| MINIMUM Y                   | : | -.798  | -.857  | -.796 |
| CENTROID X                  | : | .023   | -.163  | -.026 |
| CENTROID Y                  | : | -.009  | .050   | -.011 |
| POA TO CENTROID in.         | : | .025   | .171   | .028  |
| MIN RADIUS                  | : | .490   | .299   | .448  |
| MEAN RADIUS                 | : | .943   | .814   | .777  |
| MAX RADIUS                  | : | 1.758  | 1.303  | 1.173 |
| HORIZONTAL SPREAD           | : | 2.960  | 2.398  | 1.727 |
| VERTICAL SPREAD             | : | 1.531  | 1.531  | 1.531 |
| EXTREME SPREAD              | : | 3.150  | 2.430  | 1.860 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |