

**Smead.**

FORM

**UPC**



0 47700 25716 7

**C6649030**

CAPACITY\*  
\*INCLUDES 1 IN CHAMBER



BARBER - M24 0030832

**Remington**



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

**MODEL 700™ M24**

**SERIAL NO.**

**C6649030**

**ORDER NO.**

**5716**

20

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



5716 C6649030

**ORDER 5716**

MODEL 700™ M24

**UPC**

**ORDER 5716**

MODEL 700™ M24

**UPC**



0 47700 25716 7



0 47700 25716 7

# GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649030

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 9 26     | 9 1      | RH   |
| 600          | Proof                                                          | 9 26     | 9 1      | RH   |
| 607          | Check Headspace                                                | 9 26     | 9 1      | RH   |
| 610          | Dis-assemble Gun                                               | 9 26     | 9 1      | RH   |
| 612          | Magnaflux Barrel<br>Action                                     | OCT      | 3 1991   | KCV  |
|              | Magnaflux Bolt                                                 | OCT      | 3 1991   | KCV  |
| 615          | Rollmark Caliber                                               | OCT      | 3 1991   | GS   |
| 617          | Drill and Tap Sight Holes                                      | OCT      | 4 1991   | FB   |
| 618          | Polish Barrel                                                  | OCT      | 4 1991   | WA   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10/18/91 | DA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/18/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/18/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/18/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/18/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11/18/91 | SM   |

|              |                                                             |       |       |      |          |      |          |    |
|--------------|-------------------------------------------------------------|-------|-------|------|----------|------|----------|----|
| 625<br>cont. | F) Safety On Force                                          | 4 1/4 | 4 1/4 | 4    | 11-18-91 | DH   |          |    |
|              | G) Safety Off Force                                         | 2 1/2 | 2 3/4 | 3    | 11-18-91 | DH   |          |    |
|              | H) Trigger Pull Test & Retainability                        |       |       |      | 11/18/91 | JH   |          |    |
|              | I) Firing Pin Indent                                        | .020  | .020  | .020 | 11-18-91 | DH   |          |    |
|              | J) Assemble Stock                                           |       |       |      | 11/20/91 | RW   |          |    |
|              | K) Assemble Swivel Studs                                    |       |       |      | 11-20-91 | JH   |          |    |
|              | L) Attach Front and Rear Sight Assemblies                   |       |       |      | 11/20/91 | RW   |          |    |
|              | M) Iron Sight Alignment                                     |       |       |      | 11/20/91 | RW   |          |    |
|              | N) Detach Front & Rear Sights & place in numbered container |       |       |      | 11/20/91 | RW   |          |    |
|              | O) Attach Scope to Rifle                                    |       |       |      | 11/20/91 | RW   |          |    |
|              | P) Detach & Attach Scope 20 Times                           |       |       |      | 11/20/91 | RW   |          |    |
| 640          | Gallery Target & Test                                       |       |       |      | 11-22-91 | AC   |          |    |
|              | A) Time                                                     |       |       |      | 11-22-91 | AC   |          |    |
|              | B) Malfunctions                                             |       |       |      | 11-22-91 | AC   |          |    |
|              | C) Pierced Primers                                          |       |       |      | 11-22-91 | AC   |          |    |
|              | D) Optical Clarity of Scope                                 |       |       |      | 11-22-91 | AC   |          |    |
| 645          | Inspect for Live Ammo                                       |       |       |      | 11-22-91 | AC   |          |    |
| 655          | Final Inspection                                            |       |       |      |          |      |          |    |
|              | A) Headspace                                                |       |       |      | 11-26-91 | JH   |          |    |
|              | B) Trigger Pull                                             | 2.90  | 2.55  | 2.82 | 2.91     | 2.86 | 11-22-91 | DH |
|              | C) Function                                                 |       |       |      |          |      | 11-26-91 | JH |
| 660          | Pack                                                        |       |       |      |          |      | 12-18-91 | N  |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6649030

DATE 11-18-91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 2.50             | 2.53                     | 2.50                           | 290 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.60             | 2.55                     | 2.55                           | 255 |                                                                        |
| PULL #3 | 2.62             | 2.56                     | 2.49                           | 282 |                                                                        |
| PULL #4 | 2.51             | 2.54                     | 2.59                           | 291 |                                                                        |
| PULL #5 | 2.50             | 2.55                     | 2.60                           | 286 |                                                                        |
| TOTAL   |                  |                          |                                |     |                                                                        |
| AVG.    |                  |                          |                                |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.55             | 3.62                     |  |          |
| PULL #2 | 3.53             | 3.57                     |  |          |
| PULL #3 | 3.59             | 3.57                     |  |          |
| PULL #4 | 3.63             | 3.62                     |  |          |
| PULL #5 | 3.55             | 3.59                     |  |          |
| 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 | 4.48             | 4.50                     |                                | 4.53                                 |
| PULL #2 | 4.47             | 4.52                     |                                | 4.45                                 |
| PULL #3 | 4.30             | 4.48                     |                                | 4.47                                 |
| PULL #4 | 4.41             | 4.49                     |                                | 4.41                                 |
| PULL #5 | 4.47             | 4.52                     |                                | 4.53                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06649030  
22 Nov 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .142215 |
| 1 TO | 2 | .330946 |
| 1 TO | 3 | .518845 |
| 1 TO | 4 | .21068  |
| 1 TO | 5 | .459315 |

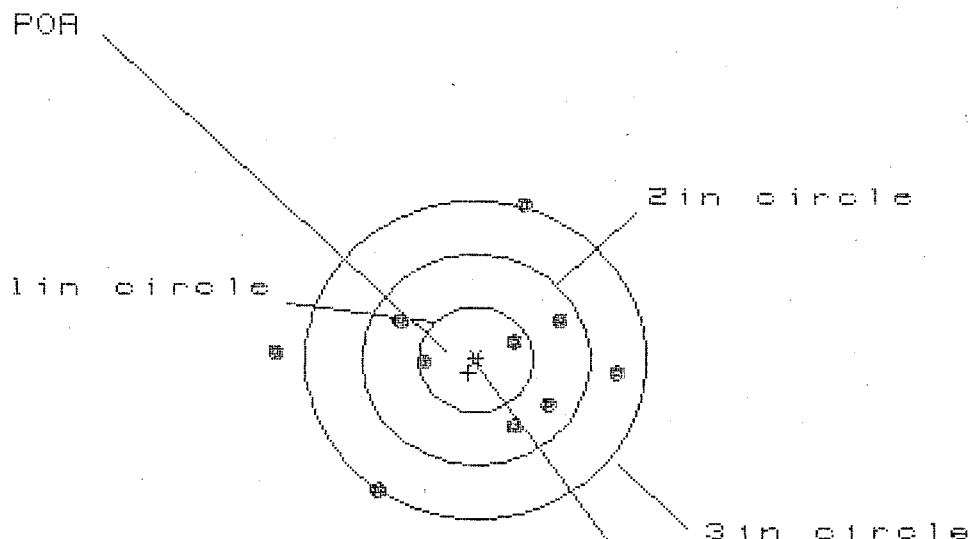
4<sup>35</sup> <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3454  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .137  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .371578  
THE AMR FOR THIS RIFLE IS: .902

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649030

## CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 7

HS= 2.950

VS= 2.734

GS= 3.018

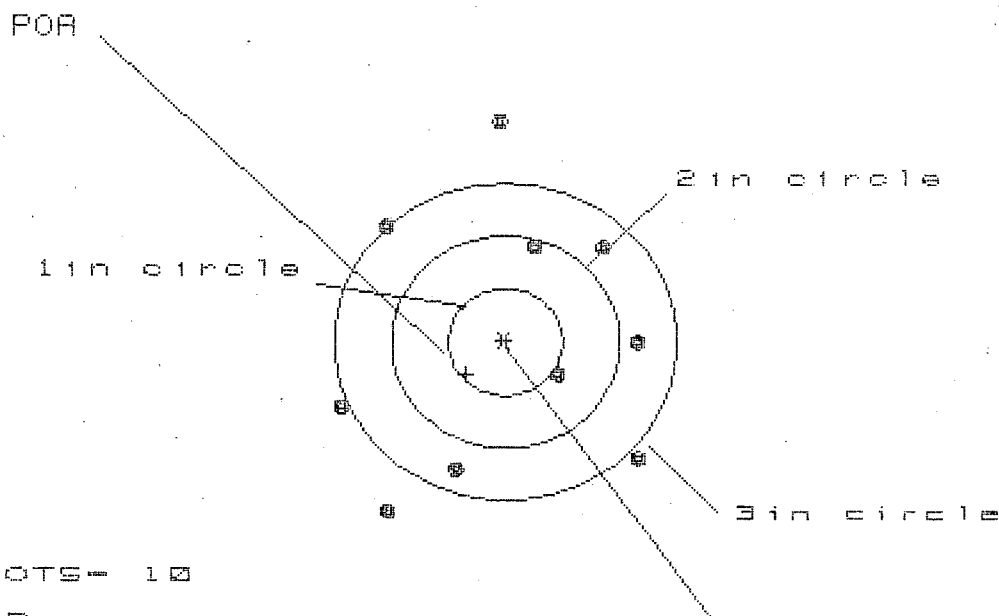
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.223  | 1.029  | 1.061  |
| MINIMUM X                     | -1.745 | -1.021 | -.989  |
| MAXIMUM Y                     | 1.474  | 1.479  | .604   |
| MINIMUM Y                     | -1.260 | -1.255 | -1.070 |
| CENTROID X                    | .064   | .258   | .226   |
| CENTROID Y                    | .127   | .122   | -.063  |
| POA TO CENTROID in.           | .143   | .285   | .235   |
| MIN RADIUS                    | .415   | .255   | .420   |
| MEAN RADIUS                   | 1.000  | .885   | .806   |
| MAX RADIUS                    | 1.746  | 1.618  | 1.457  |
| HORIZONTAL SPREAD             | 2.968  | 2.050  | 2.050  |
| VERTICAL SPREAD               | 2.734  | 2.734  | 1.674  |
| EXTREME SPREAD                | 3.018  | 3.018  | 2.330  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 2

3in = 6

HS= 2.602

VS= 3.678

GS= 3.793

CENTROID \*

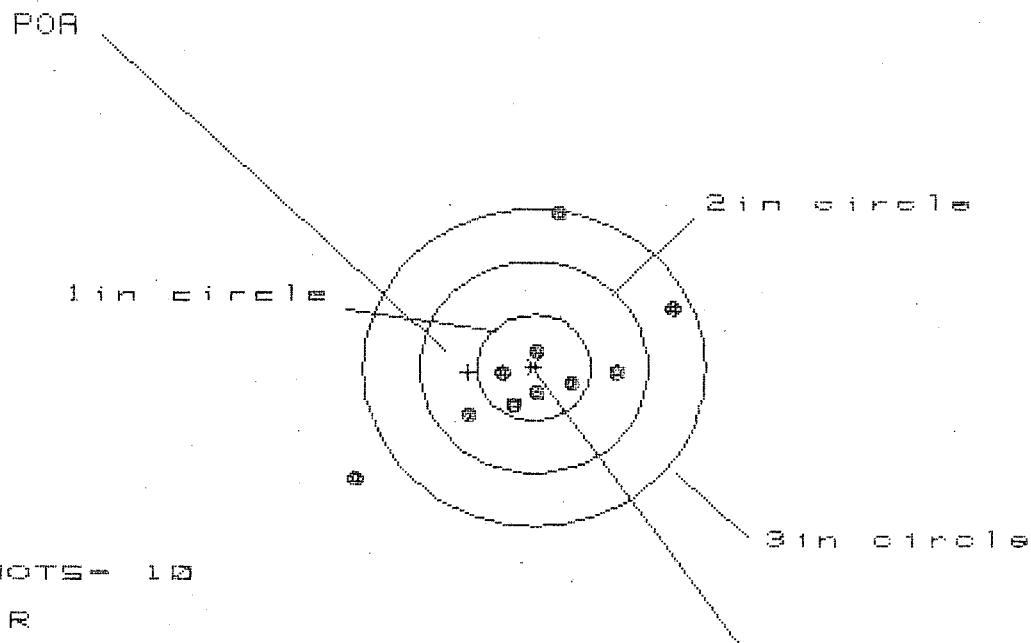
| PATTERN #                     | 2      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.179  | 1.168  | 1.040  |
| MINIMUM X                     | -1.423 | -1.434 | -1.562 |
| MAXIMUM Y                     | 2.092  | 1.289  | 1.119  |
| MINIMUM Y                     | -1.586 | -1.353 | -1.131 |
| CENTROID X                    | .343   | .354   | .482   |
| CENTROID Y                    | .305   | .072   | .242   |
| POA TO CENTROID in.           | .459   | .361   | .539   |
| MIN RADIUS                    | .565   | .463   | .416   |
| MEAN RADIUS                   | 1.379  | 1.282  | 1.200  |
| MAX RADIUS                    | 2.094  | 1.700  | 1.666  |
| HORIZONTAL SPREAD             | 2.602  | 2.602  | 2.602  |
| VERTICAL SPREAD               | 3.678  | 2.642  | 2.251  |
| EXTREME SPREAD                | 3.793  | 3.122  | 3.086  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 6      |        |        |

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## CENTERFIRE PATTERNS

# 3



# OF SHOTS- 10

# IN CIR

1 in = 5

2 in = 7

3 in = 9

HS= 2.725

VS= 2.453

GS= 3.153

CENTROID #

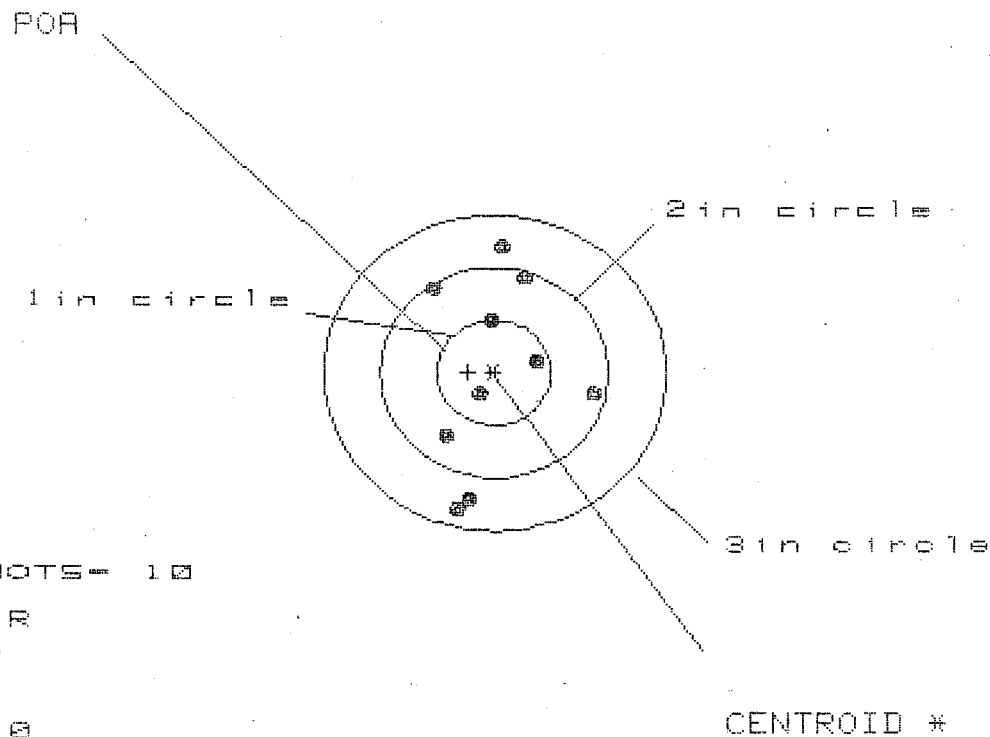
| PATTERN #                   | : | 3      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.192  | 1.022 | 1.024 |
| MINIMUM X                   | : | -1.532 | -.708 | -.706 |
| MAXIMUM Y                   | : | 1.447  | 1.336 | .637  |
| MINIMUM Y                   | : | -1.006 | -.505 | -.338 |
| CENTROID X                  | : | .576   | .746  | .744  |
| CENTROID Y                  | : | .043   | .154  | -.013 |
| POA TO CENTROID in.         | : | .577   | .762  | .744  |
| MIN RADIUS                  | : | .121   | .127  | .117  |
| MEAN RADIUS                 | : | .732   | .630  | .498  |
| MAX RADIUS                  | : | 1.833  | 1.336 | 1.206 |
| HORIZONTAL SPREAD           | : | 2.725  | 1.730 | 1.730 |
| VERTICAL SPREAD             | : | 2.453  | 1.841 | .975  |
| EXTREME SPREAD              | : | 3.153  | 1.986 | 1.986 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 5     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

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## CENTERFIRE PATTERNS

# 4



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.435

VS= 2.497

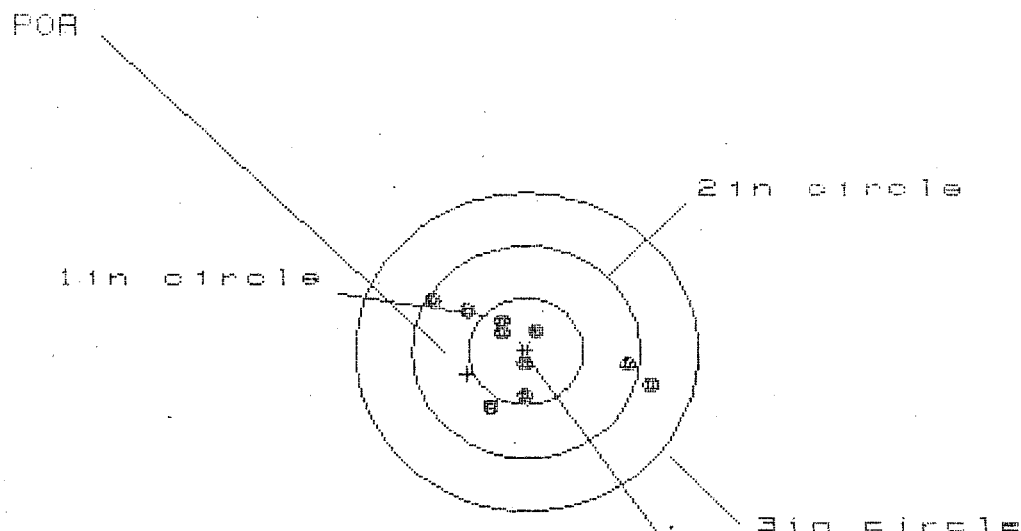
GS= 2.521

| PATTERN #                   | : | 4      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .895   | .863   | .867   |
| MINIMUM X                   | : | -.540  | -.572  | -.568  |
| MAXIMUM Y                   | : | 1.215  | 1.073  | .853   |
| MINIMUM Y                   | : | -1.282 | -1.326 | -1.192 |
| CENTROID X                  | : | .229   | .261   | .257   |
| CENTROID Y                  | : | -.004  | .138   | .004   |
| POA TO CENTROID in.         | : | .229   | .295   | .257   |
| MIN RADIUS                  | : | .202   | .344   | .224   |
| MEAN RADIUS                 | : | .846   | .782   | .741   |
| MAX RADIUS                  | : | 1.313  | 1.353  | 1.221  |
| HORIZONTAL SPREAD           | : | 1.435  | 1.435  | 1.435  |
| VERTICAL SPREAD             | : | 2.497  | 2.399  | 2.045  |
| EXTREME SPREAD              | : | 2.521  | 2.417  | 2.112  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| 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 = 5

2in = 9

3in = 10

HS= 1.859

VS= .992

GS= 2.025

CENTROID #

| PATTERN #                     | 5     |       |       |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.072 | .989  | .985  |
| MINIMUM X                     | -.787 | -.667 | -.458 |
| MAXIMUM Y                     | .448  | .408  | .373  |
| MINIMUM Y                     | -.544 | -.584 | -.533 |
| CENTROID X                    | .515  | .395  | .479  |
| CENTROID Y                    | .214  | .253  | .262  |
| POA TO CENTROID in.           | .557  | .469  | .520  |
| MIN RADIUS                    | .127  | .163  | .107  |
| MEAN RADIUS                   | .553  | .469  | .432  |
| MAX RADIUS                    | 1.130 | .996  | .908  |
| HORIZONTAL SPREAD             | 1.859 | 1.656 | 1.363 |
| VERTICAL SPREAD               | .992  | .992  | .906  |
| EXTREME SPREAD                | 2.025 | 1.739 | 1.434 |
| NUMBER IN ONE INCH CIRCLE =   |       | 5     |       |
| NUMBER IN TWO INCH CIRCLE =   |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE = |       | 10    |       |