

C6523402

MODEL 700<sup>TM</sup> M24

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

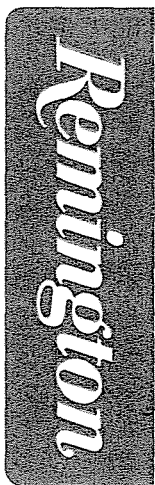
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington®**

**MODEL 700™ H24**

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

**DUPONT**

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

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

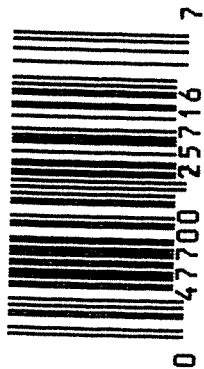
SERIAL NO.  
**C6523402**

ORDER NO.  
**5716**

Ø1

5716 C6523402

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523402

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 10/4/90  | KJ   |
| 600          | Proof                                                          |          | 10/4/90  | KJ   |
| 607          | Check Headspace                                                |          | 10/4/90  | KJ   |
| 610          | Dis-assemble Gun                                               |          | 10/4/90  | KJ   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/9/90  | KR   |
|              | Magnaflux Bolt                                                 |          | 10/9/90  | KR   |
| 615          | Rollmark Caliber                                               |          | 10/9/90  | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/11/90 | FB   |
| 618          | Polish Barrel RB                                               |          | 10/12/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-18-90 | JA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/19/90 | WB   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/19/90 | WB   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/19/90 | WB   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/19/90 | WB   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11-6-90  | JA   |

| op. #        | BARBER - M24 0027476<br>OP. NAME                                  | READINGS |       |        |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------------|----------|-------|--------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                                | 4. 1/2   | 4.0   | 4.5    |     |     | 11-2-90  | KT   |
|              | G) Safety Off Force                                               | 2. 1/2   | 2 1/2 | 2. 1/2 |     |     | 11-2-90  | KT   |
|              | H) Trigger Pull Test &<br>Retainability                           |          |       |        |     |     | 11-6-90  | JH   |
|              | I) Firing Pin Indent                                              | .025     | .026  | .025   |     |     | 11-2-90  | KT   |
|              | J) Assemble Stock                                                 |          |       |        |     |     | 11-6-90  | KS   |
|              | K) Assemble Swivel Studs                                          |          |       |        |     |     | 11/19/90 | JS   |
|              | L) Attach Front and Rear<br>Sight Assemblies                      |          |       |        |     |     | 11-6-90  | KS   |
|              | M) Iron Sight Alignment                                           |          |       |        |     |     | 11-6-90  | KS   |
|              | N) Detach Front & Rear<br>Sights & place in<br>numbered container |          |       |        |     |     | 11-6-90  | KS   |
|              | O) Attach Scope to Rifle                                          |          |       |        |     |     | 11-6-90  | KS   |
|              | P) Detach & Attach Scope<br>20 Times                              |          |       |        |     |     | 11-6-90  | KS   |
| 640          | Gallery Target & Test                                             |          |       |        |     |     | 11-8-90  | DH   |
|              | A) Time                                                           |          |       |        |     |     | 11-8-90  | DH   |
|              | B) Malfunctions                                                   |          |       |        |     |     | 11-8-90  | DH   |
|              | C) Pierced Primers                                                |          |       |        |     |     | 11-8-90  | DH   |
|              | D) Optical Clarity of Scope                                       |          |       |        |     |     | 11-8-90  | DH   |
| 645          | Inspect for Live Ammo                                             |          |       |        |     |     | 11-8-90  | DH   |
| 655          | Final Inspection<br>A) Headspace                                  |          |       |        |     |     | 11/19/90 | JS   |
|              | B) Trigger Pull                                                   | 271      | 270   | 270    | 271 | 274 | 11/19/90 | JS   |
|              | C) Function                                                       |          |       |        |     |     | 11/19/90 | JS   |
| 660          | Pack                                                              |          |       |        |     |     | 12/15/90 | VF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C65 23402

DATE 11-6-90

TESTER JL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.48             | 2.12                     | 2.25                           | 2.71 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.30             | 2.20                     | 2.35                           | 2.70 |                                                                        |
| PULL #3 | 2.40             | 2.48                     | 2.40                           | 2.70 |                                                                        |
| PULL #4 | 2.35             | 2.33                     | 2.33                           | 2.71 |                                                                        |
| PULL #5 | 2.38             | 2.49                     | 2.20                           | 2.74 |                                                                        |
| TOTAL   | 11.83            | 11.62                    | 11.53                          |      |                                                                        |
| AVG.    | 2.366            | 2.324                    | 2.306                          |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.34             | 3.21                     |  |          |
| PULL #2 | 3.38             | 3.24                     |  |          |
| PULL #3 | 3.32             | 3.15                     |  |          |
| PULL #4 | 3.32             | 3.26                     |  |          |
| PULL #5 | 3.31             | 3.23                     |  |          |
| TOTAL   | 16.67            | 16.09                    |  |          |
| AVG.    | 3.334            | 3.218                    |  |          |

|         | 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 | 4.39             | 4.31                     |                                | 4.39                                 |
| PULL #2 | 4.32             | 4.30                     |                                | 4.35                                 |
| PULL #3 | 4.35             | 4.15                     |                                | 4.43                                 |
| PULL #4 | 4.38             | 4.33                     |                                | 4.41                                 |
| PULL #5 | 4.31             | 4.34                     |                                | 4.47                                 |
| TOTAL   | 21.73            | 21.43                    |                                | 22.05                                |
| AVG.    | 4.346            | 4.286                    |                                | 4.41                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6523402  
8 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .139488 |
| 1 TO | 2 | .1464   |
| 1 TO | 3 | .211627 |
| 1 TO | 4 | .522457 |
| 1 TO | 5 | .308871 |

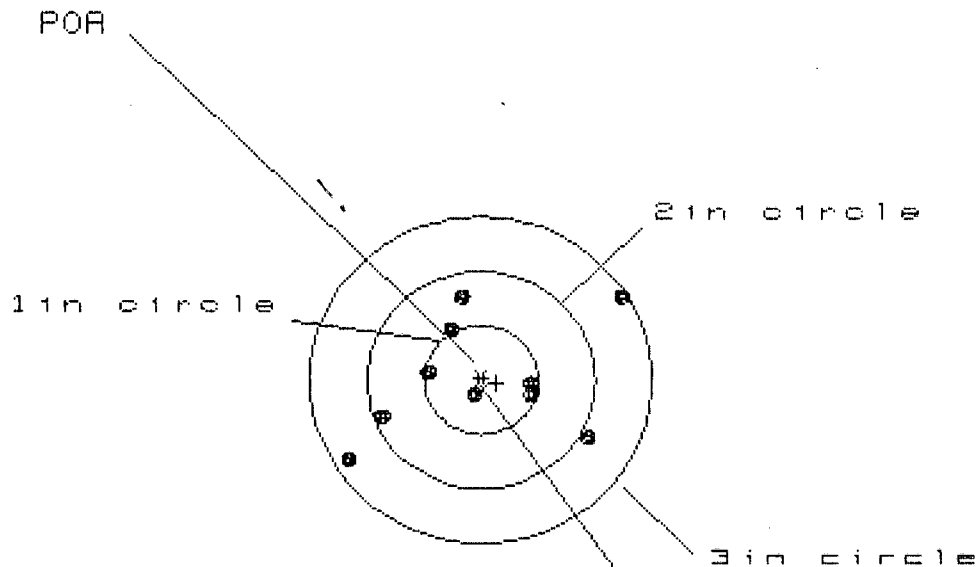
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0638  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0974  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116435  
THE AMR FOR THIS RIFLE IS: .7956

8 Nov 1998

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## CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.359

VS = 1.477

GS = 2.783

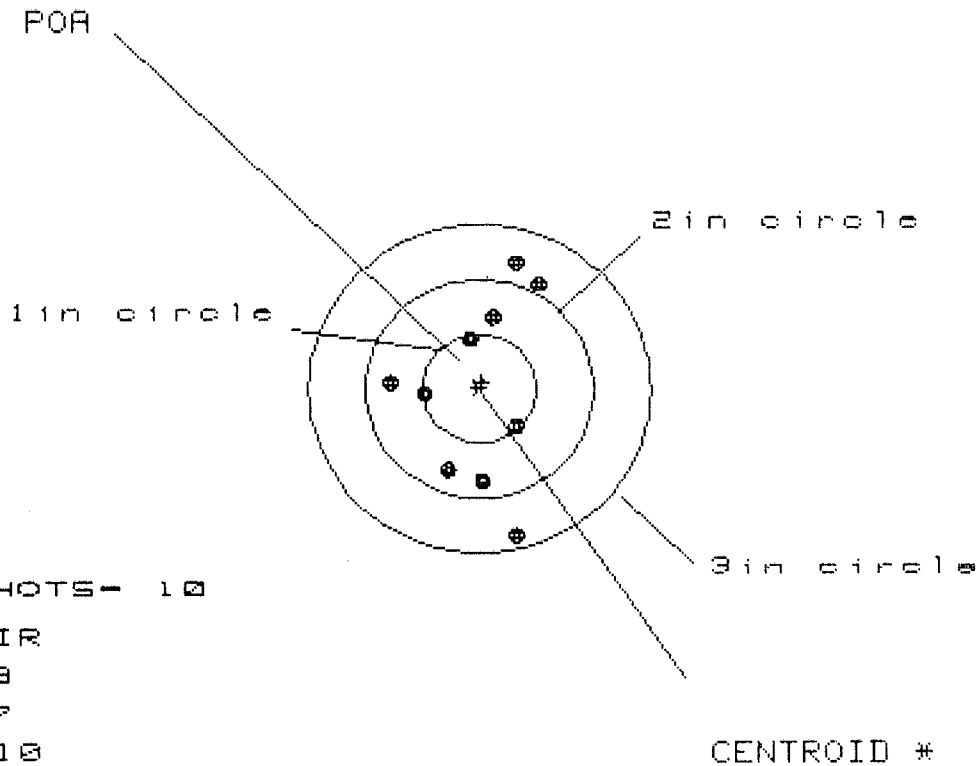
CENTROID \*

| PATTERN #                   | : | 1      | 2     | 3     |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.225  | 1.028 | .903  |
| MINIMUM X                   | : | -1.134 | -.998 | -.887 |
| MAXIMUM Y                   | : | .744   | .819  | .738  |
| MINIMUM Y                   | : | -.733  | -.650 | -.526 |
| CENTROID X                  | : | -.136  | -.272 | -.147 |
| CENTROID Y                  | : | .031   | -.052 | .029  |
| POA TO CENTROID in.         | : | .139   | .277  | .150  |
| MIN RADIUS                  | : | .192   | .083  | .184  |
| MEAN RADIUS                 | : | .768   | .682  | .611  |
| MAX RADIUS                  | : | 1.433  | 1.191 | 1.046 |
| HORIZONTAL SPREAD           | : | 2.359  | 2.026 | 1.790 |
| VERTICAL SPREAD             | : | 1.477  | 1.469 | 1.264 |
| EXTREME SPREAD              | : | 2.783  | 2.036 | 1.797 |
| NUMBER IN ONE INCH CIRCLE   | = | 4      |       |       |
| NUMBER IN TWO INCH CIRCLE   | = | 7      |       |       |
| NUMBER IN THREE INCH CIRCLE | = | 10     |       |       |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.287

VS= 2.522

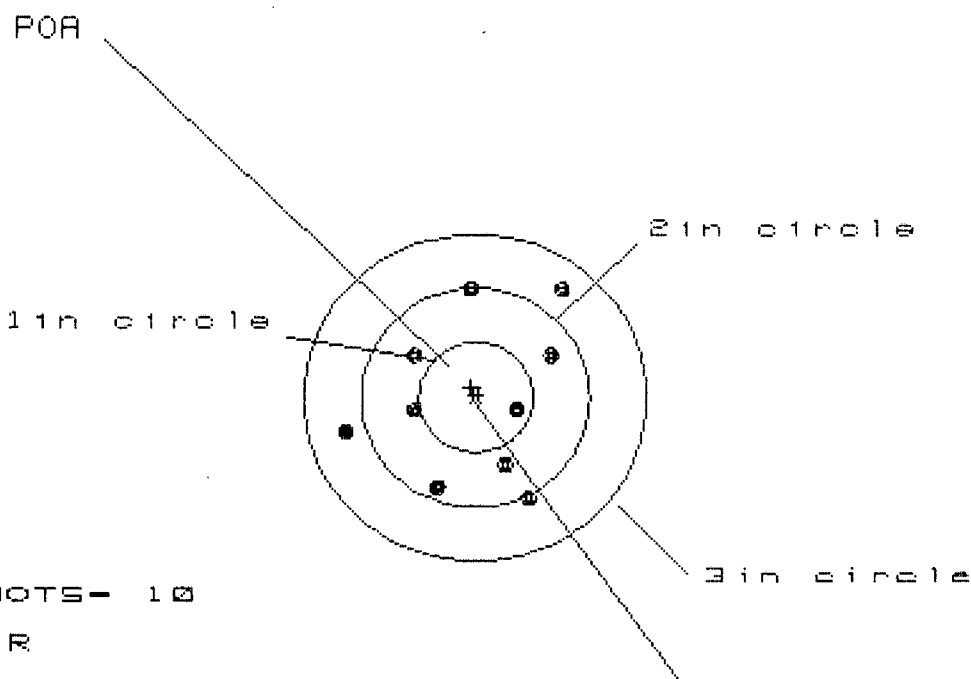
GS= 2.522

| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .524   | .555  | .599  |
| MINIMUM X                   | : | -.763  | -.732 | -.688 |
| MAXIMUM Y                   | : | 1.186  | 1.038 | .912  |
| MINIMUM Y                   | : | -1.336 | -.982 | -.852 |
| CENTROID X                  | : | -.019  | -.050 | -.094 |
| CENTROID Y                  | : | -.057  | .091  | -.039 |
| POA TO CENTROID in.         | : | .060   | .104  | .101  |
| MIN RADIUS                  | : | .440   | .322  | .372  |
| MEAN RADIUS                 | : | .805   | .729  | .674  |
| MAX RADIUS                  | : | 1.363  | 1.096 | 1.091 |
| HORIZONTAL SPREAD           | : | 1.287  | 1.287 | 1.287 |
| VERTICAL SPREAD             | : | 2.522  | 2.020 | 1.764 |
| EXTREME SPREAD              | : | 2.522  | 2.045 | 1.841 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 1.845

VS = 1.921

GS = 2.281

| PATTERN #                   | : | 3      | 9      | 8     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .723   | .709   | .579  |
| MINIMUM X                   | : | -1.122 | -1.042 | -.585 |
| MAXIMUM Y                   | : | 1.024  | 1.131  | 1.105 |
| MINIMUM Y                   | : | -.897  | -.783  | -.809 |
| CENTROID X                  | : | .039   | -.041  | .089  |
| CENTROID Y                  | : | -.088  | -.202  | -.176 |
| POA TO CENTROID in.         | : | .096   | .206   | .198  |
| MIN RADIUS                  | : | .421   | .456   | .359  |
| MEAN RADIUS                 | : | .840   | .782   | .737  |
| MAX RADIUS                  | : | 1.253  | 1.131  | 1.109 |
| HORIZONTAL SPREAD           | : | 1.845  | 1.751  | 1.164 |
| VERTICAL SPREAD             | : | 1.921  | 1.914  | 1.914 |
| EXTREME SPREAD              | : | 2.281  | 1.993  | 1.993 |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE | = | 10     |        |       |

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## CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.198

VS= 2.223

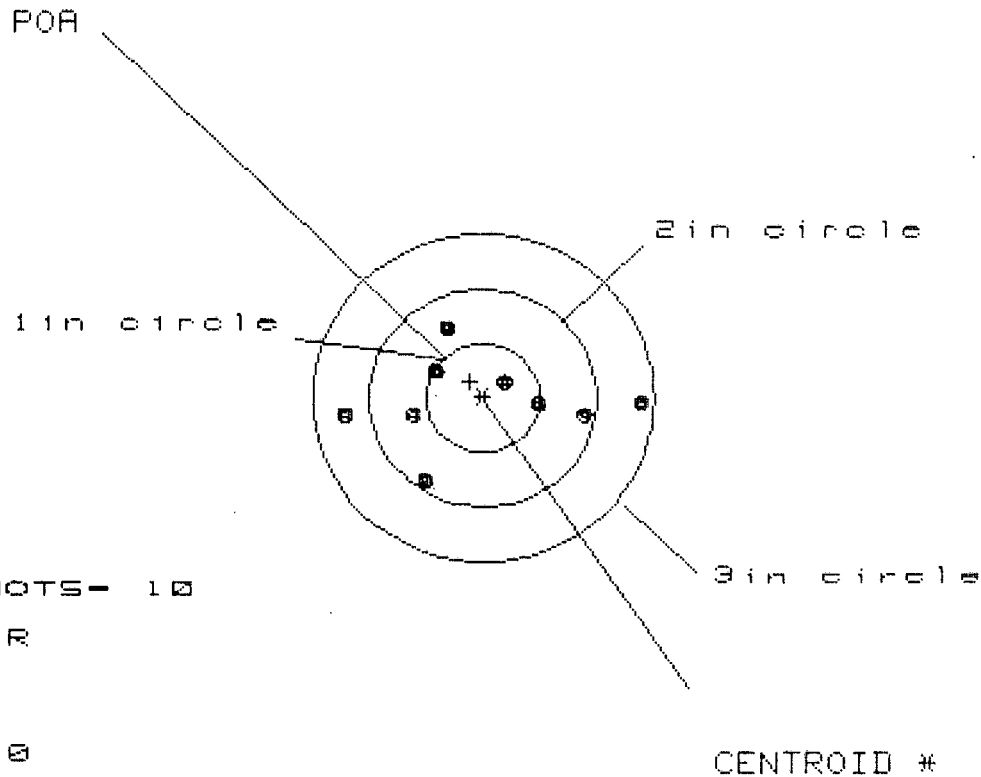
GS= 2.339

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.423  | .913   | .872  |
| MINIMUM X                   | : | -.775  | -.617  | -.658 |
| MAXIMUM Y                   | : | 1.172  | 1.159  | .856  |
| MINIMUM Y                   | : | -1.051 | -1.064 | -.919 |
| CENTROID X                  | : | .320   | .162   | .203  |
| CENTROID Y                  | : | -.224  | -.211  | -.356 |
| POA TO CENTROID in.         | : | .391   | .267   | .410  |
| MIN RADIUS                  | : | .176   | .314   | .351  |
| MEAN RADIUS                 | : | .853   | .780   | .729  |
| MAX RADIUS                  | : | 1.427  | 1.230  | 1.105 |
| HORIZONTAL SPREAD           | : | 2.198  | 1.530  | 1.530 |
| VERTICAL SPREAD             | : | 2.223  | 2.223  | 1.775 |
| EXTREME SPREAD              | : | 2.339  | 2.339  | 2.076 |
| 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

1 in = 4

2 in = 8

3 in = 10

HS= 2.577

VS= 1.400

GS= 2.577

| PATTERN #                   | : | 5      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.373  | .991   | .859  |
| MINIMUM X                   | : | -1.204 | -1.051 | -.588 |
| MAXIMUM Y                   | : | .695   | .689   | .675  |
| MINIMUM Y                   | : | -.705  | -.711  | -.725 |
| CENTROID X                  | : | .115   | -.038  | .094  |
| CENTROID Y                  | : | -.149  | -.143  | -.129 |
| POA TO CENTROID in.         | : | .188   | .148   | .160  |
| MIN RADIUS                  | : | .232   | .346   | .238  |
| MEAN RADIUS                 | : | .712   | .639   | .567  |
| MAX RADIUS                  | : | 1.374  | 1.057  | .870  |
| HORIZONTAL SPREAD           | : | 2.577  | 2.042  | 1.447 |
| VERTICAL SPREAD             | : | 1.400  | 1.400  | 1.400 |
| EXTREME SPREAD              | : | 2.577  | 2.042  | 1.449 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |