

C6587713

MODEL 700™ M24

Model **SMS**™

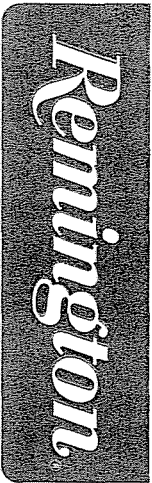
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington®**



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

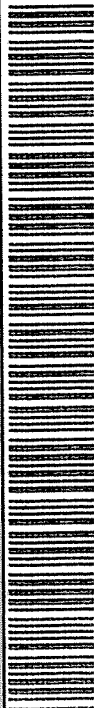
MODEL 700™ H24

SERIAL NO.  
C6587713

ORDER NO.  
**5716**

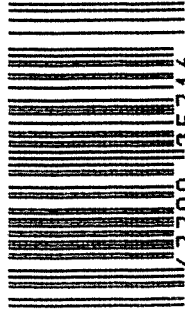
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6587713

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587713

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10 9 90  |          | RW   |
| 600          | Proof                                                          | 10 9 90  |          | RW   |
| 607          | Check Headspace                                                | 10 9 90  |          | RW   |
| 610          | Dis-assemble Gun                                               | 10 9 90  |          | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/17/90 | KR   |
|              | Magnaflux Bolt                                                 |          | 11/17/90 | KR   |
| 615          | Rollmark Caliber                                               |          | 11/17/90 | LL   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/18/90 | LB   |
| 618          | Polish Barrel <i>LB</i>                                        |          | 10/19/90 | LB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-5-90  | JA   |
|              | Apply Coating (Bolt)                                           |          |          | JA   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/7/90  | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/7/90  | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/7/90  | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/7/90  | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11-13-90 | HL   |

| op. #        | OP. NAME                                                    | READINGS |       |       |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 3/4    | 4 3/4 | 4 3/4 |     |     | 11/13/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2     | 2     |     |     | 11/13/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 11/13/90 | JH   |
|              | I) Firing Pin Indent                                        | .0205    | .020  | .0205 |     |     | 11/13/90 | WB   |
|              | J) Assemble Stock                                           |          |       |       |     |     | 11/13/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 11/14/90 | JH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 11/13/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 11/13/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 11/13/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 11/13/90 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 11/13/90 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 11-14-90 | DH   |
|              | A) Time                                                     |          |       |       |     |     | 11-14-90 | DH   |
|              | B) Malfunctions                                             |          |       |       |     |     | 11-14-90 | DH   |
|              | C) Pierced Primers                                          |          |       |       |     |     | 11-14-90 | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 11-14-90 | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 11-14-90 | DH   |
| 655          | Final Inspection                                            |          |       |       |     |     |          |      |
|              | A) Headspace                                                |          |       |       |     |     | 11/19/90 | JH   |
|              | B) Trigger Pull                                             | 245      | 253   | 252   | 233 | 232 | 11/19/90 | JH   |
|              | C) Function                                                 | 2        |       |       |     |     | 11/19/90 | JH   |
| 660          | Pack                                                        |          |       |       |     |     | 12-17-90 | DH   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06587713

DATE 11-13-90

TESTER SM

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.32             | 2.33                     | 2.30                           | 2.45 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.35             | 2.23                     | 2.31                           | 2.53 |                                                                        |
| PULL #3 | 2.34             | 2.22                     | 2.29                           | 2.52 |                                                                        |
| PULL #4 | 2.36             | 2.29                     | 2.28                           | 2.33 |                                                                        |
| PULL #5 | 2.34             | 2.33                     | 2.26                           | 2.32 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.41             | 3.37                     |  |          |
| PULL #2 | 3.29             | 3.38                     |  |          |
| PULL #3 | 3.11             | 3.24                     |  |          |
| PULL #4 | 3.37             | 3.39                     |  |          |
| PULL #5 | 3.29             | 3.37                     |  |          |
| 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 | 4.20             | 4.32                     |                                | 4.42                                 |
| PULL #2 | 4.37             | 4.34                     |                                | 4.42                                 |
| PULL #3 | 4.43             | 4.43                     |                                | 4.41                                 |
| PULL #4 | 4.40             | 4.06                     |                                | 4.32                                 |
| PULL #5 | 4.42             | 4.41                     |                                | 4.44                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06587713  
14 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .281044 |
| 1 TO | 2 | .673662 |
| 1 TO | 3 | .201638 |
| 1 TO | 4 | .182497 |
| 1 TO | 5 | .451489 |

2  
435 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0784  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1056  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .131522  
THE AMR FOR THIS RIFLE IS: .9708

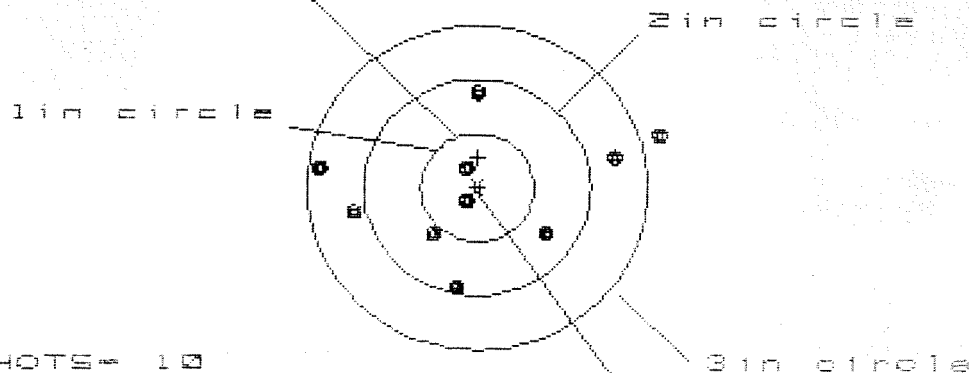
14 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08587713

# CENTERFIRE PATTERNS

# 1

POA



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 9

HS = 3.074

VS = 1.833

GS = 3.095

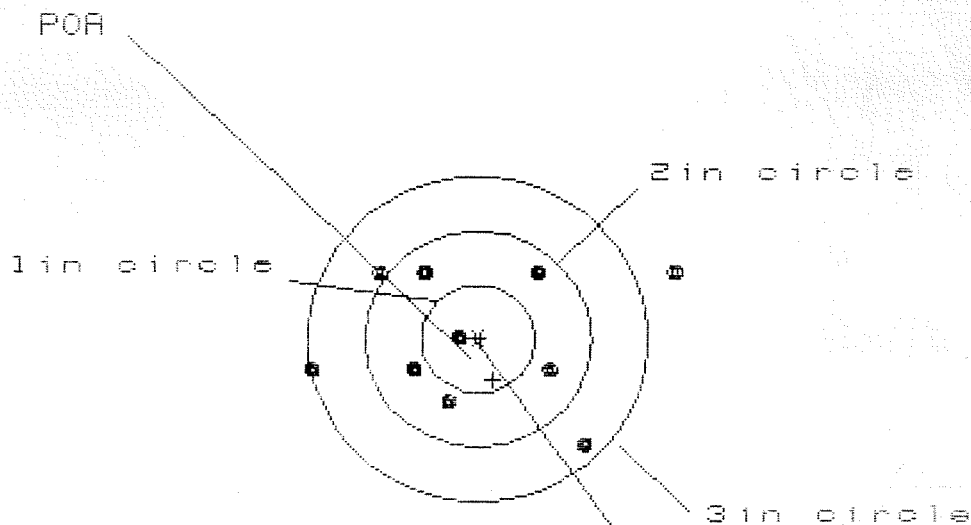
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.630  | 1.418  | 1.260  |
| MINIMUM X                   | : | -1.444 | -1.263 | -1.080 |
| MAXIMUM Y                   | : | .903   | .959   | .985   |
| MINIMUM Y                   | : | -.930  | -.874  | -.848  |
| CENTROID X                  | : | -.005  | -.186  | -.028  |
| CENTROID Y                  | : | -.281  | -.337  | -.363  |
| POA TO CENTROID in.         | : | .281   | .385   | .364   |
| MIN RADIUS                  | : | .202   | .114   | .129   |
| MEAN RADIUS                 | : | .919   | .802   | .742   |
| MAX RADIUS                  | : | 1.707  | 1.466  | 1.322  |
| HORIZONTAL SPREAD           | : | 3.074  | 2.681  | 2.340  |
| VERTICAL SPREAD             | : | 1.833  | 1.833  | 1.833  |
| EXTREME SPREAD              | : | 3.095  | 2.686  | 2.401  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587713

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in - 1

2 in - 6

3 in - 8

HS- 3.238

VS- 1.634

GS- 3.342

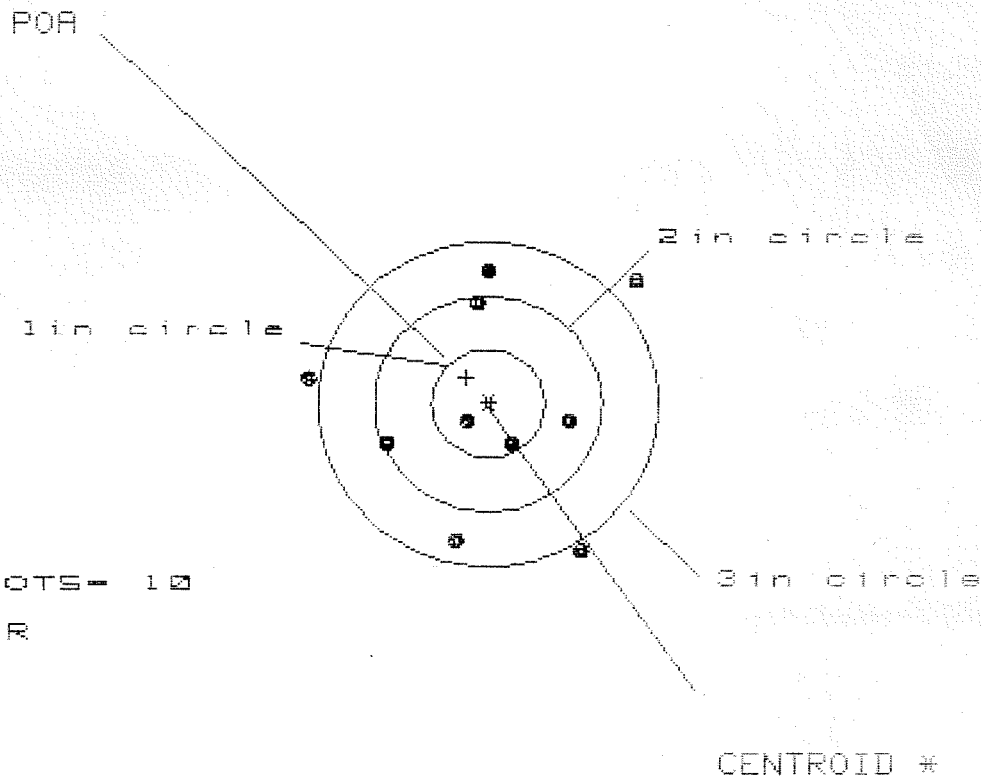
CENTROID \*

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | -1.727 | 1.098  | .933  |
| MINIMUM X                   | : | -1.511 | -1.319 | -.818 |
| MAXIMUM Y                   | : | .621   | .685   | .660  |
| MINIMUM Y                   | : | -1.013 | -.949  | -.974 |
| CENTROID X                  | : | -.135  | -.327  | -.162 |
| CENTROID Y                  | : | .388   | .316   | .341  |
| POA TO CENTROID in.         | : | .403   | .455   | .377  |
| MIN RADIUS                  | : | .145   | .131   | .143  |
| MEAN RADIUS                 | : | .951   | .828   | .767  |
| MAX RADIUS                  | : | 1.819  | 1.452  | 1.349 |
| HORIZONTAL SPREAD           | : | 3.238  | 2.417  | 1.751 |
| VERTICAL SPREAD             | : | 1.634  | 1.634  | 1.634 |
| EXTREME SPREAD              | : | 3.342  | 2.532  | 2.395 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |

14 May 1998

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# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in - 2

2in - 5

3in = 7

HS- 2.874

VS= 2.597

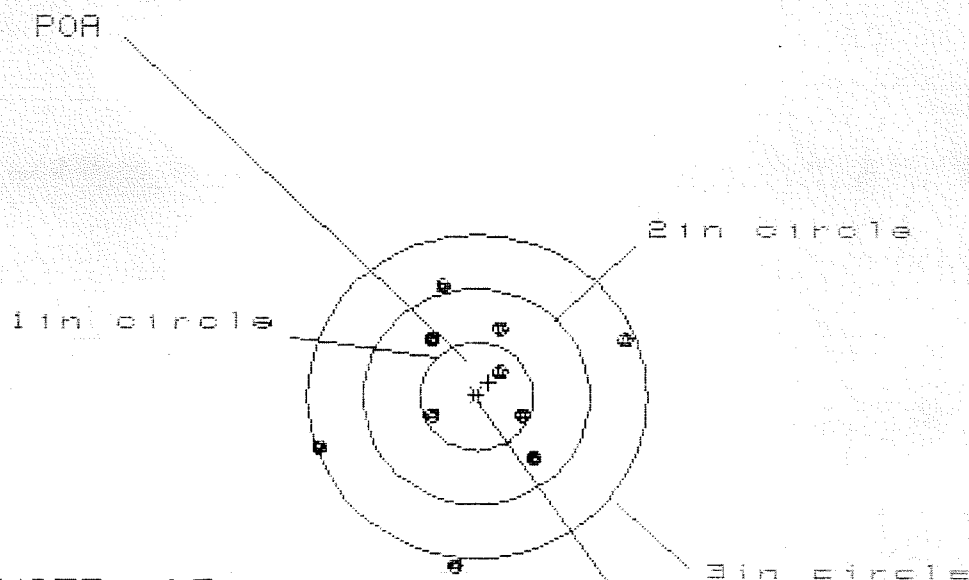
GS= 3.020

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.328  | .921   | .747   |
| MINIMUM X                   | : | -1.546 | -1.399 | -.961  |
| MAXIMUM Y                   | : | 1.285  | 1.415  | 1.462  |
| MINIMUM Y                   | : | -1.312 | -1.182 | -1.135 |
| CENTROID X                  | : | .192   | .045   | .219   |
| CENTROID Y                  | : | -.238  | -.368  | -.415  |
| POA TO CENTROID in.         | : | .306   | .371   | .469   |
| MIN RADIUS                  | : | .237   | .056   | .175   |
| MEAN RADIUS                 | : | 1.067  | .958   | .883   |
| MAX RADIUS                  | : | 1.770  | 1.498  | 1.462  |
| HORIZONTAL SPREAD           | : | 2.874  | 2.320  | 1.708  |
| VERTICAL SPREAD             | : | 2.597  | 2.597  | 2.597  |
| EXTREME SPREAD              | : | 3.020  | 2.792  | 2.695  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

14 Nov 1988

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# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1in - 3

2in - 5

3in - 2

HS= 2.664

VS= 2.593

GS= 2.833

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.275  | 1.257  | 1.081 |
| MINIMUM X                   | : | -1.389 | -1.407 | -.590 |
| MAXIMUM Y                   | : | 1.012  | .837   | .757  |
| MINIMUM Y                   | : | -1.581 | -.724  | -.804 |
| CENTROID X                  | : | -.106  | -.088  | .098  |
| CENTROID Y                  | : | -.129  | .046   | .126  |
| POA TO CENTROID in.         | : | .167   | .099   | .154  |
| MIN RADIUS                  | : | .370   | .251   | .058  |
| MEAN RADIUS                 | : | .876   | .772   | .647  |
| MAX RADIUS                  | : | 1.589  | 1.546  | 1.108 |
| HORIZONTAL SPREAD           | : | 2.664  | 2.664  | 1.671 |
| VERTICAL SPREAD             | : | 2.593  | 1.561  | 1.561 |
| EXTREME SPREAD              | : | 2.833  | 2.833  | 1.774 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

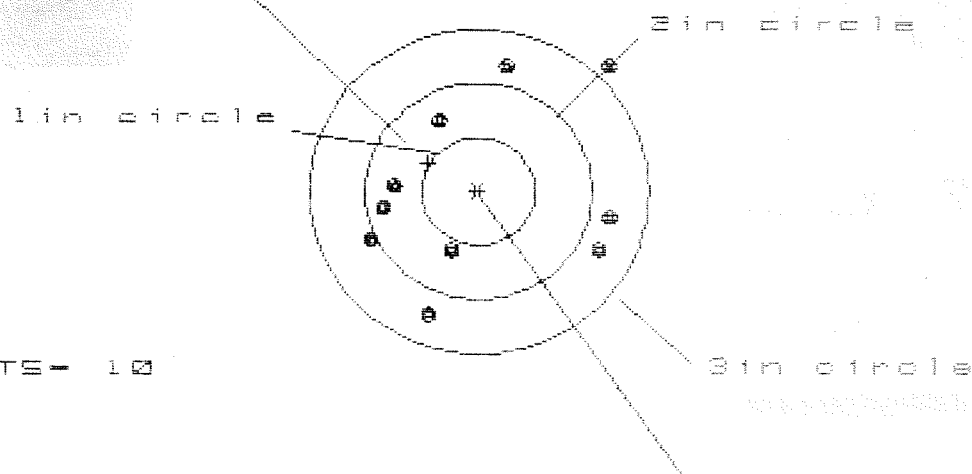
14 Nov 1990

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# CENTERFIRE PATTERNS

# 5

POA



# OF SHOTS- 10

# IN CIR

1 in - 0

2 in - 5

3 in - 9

HS- 2.025

VS- 2.366

GS- 2.848

CENTROID \*

| PATTERN #                   | : | 5      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.129  | 1.252  | 1.208 |
| MINIMUM X                   | : | -.896  | -.773  | -.817 |
| MAXIMUM Y                   | : | 1.200  | 1.293  | 1.163 |
| MINIMUM Y                   | : | -1.166 | -1.032 | -.581 |
| CENTROID X                  | : | .446   | .323   | .367  |
| CENTROID Y                  | : | -.260  | -.394  | -.265 |
| POA TO CENTROID in.         | : | .517   | .509   | .452  |
| MIN RADIUS                  | : | .649   | .478   | .615  |
| MEAN RADIUS                 | : | 1.041  | .939   | .924  |
| MAX RADIUS                  | : | 1.635  | 1.338  | 1.261 |
| HORIZONTAL SPREAD           | : | 2.025  | 2.025  | 2.025 |
| VERTICAL SPREAD             | : | 2.366  | 2.325  | 1.744 |
| EXTREME SPREAD              | : | 2.848  | 2.427  | 2.029 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |