

C6523324

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.

**Remington®**

REGISTERED PAT. TM. OFF.

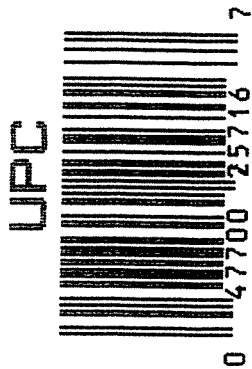
**MODEL 700™ H24**

**SERIAL NO. C6523324**

**ORDER NO. 5716**

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

Ø1



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523324

| 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                                     |          | 10/11/90 | KR   |
|              | Magnaflux Bolt                                                 |          | 10/11/90 | KR   |
| 615          | Rollmark Caliber                                               |          | 10/11/90 | GL   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/11/90 | FB   |
| 618          | Polish Barrel RB                                               |          | 10/12/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-13-90 | JA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/22/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/22/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/22/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/22/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11-6-90  | JA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 3 3/4    | 3 3/4 | 3 3/4 |     |     | 11/6/90  | WB   |
|              | G) Safety Off Force                                         | 2 1/2    | 2 1/2 | 2 1/2 |     |     | 11/6/90  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 11-6-90  | JH   |
|              | I) Firing Pin Indent                                        | .0205    | .021  | .021  |     |     | 11/6/90  | WB   |
|              | J) Assemble Stock                                           |          |       |       |     |     | 11/6/90  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 11/19/90 | Q28  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 11/6/90  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 11/6/90  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 11/6/90  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 11/6/90  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 11/6/90  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 11-7-90  | KT   |
|              | A) Time                                                     |          |       |       |     |     | 11-7-90  | KT   |
|              | B) Malfunctions                                             |          |       |       |     |     | 11-7-90  | KT   |
|              | C) Pierced Primers                                          |          |       |       |     |     | 11-7-90  | KT   |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 11-7-90  | KT   |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 11-7-90  | KT   |
| 655          | Final Inspection                                            |          |       |       |     |     | 11/19/90 | Q28  |
|              | A) Headspace                                                |          |       |       |     |     | 11/19/90 | Q28  |
|              | B) Trigger Pull                                             | 295      | 295   | 296   | 296 | 283 | 11/19/90 | Q28  |
|              | C) Function                                                 |          |       |       |     |     | 11/19/90 | Q28  |
| 660          | Pack                                                        |          |       |       |     |     | 12/18/90 | VF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50#+ .50#  
3.00#+ .75#  
4.00#+1.00#

SERIAL NO. C6523324  
DATE 11-6-90  
TESTER JLD

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 2.38             | 2.45                     | 2.42                           | 295 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.40             | 2.37                     | 2.41                           | 295 |                                                                        |
| PULL #3 | 2.38             | 2.43                     | 2.40                           | 296 |                                                                        |
| PULL #4 | 2.40             | 2.38                     | 2.30                           | 296 |                                                                        |
| PULL #5 | 2.42             | 2.39                     | 2.41                           | 283 |                                                                        |
| TOTAL   | 11.98            | 12.02                    | 11.94                          |     |                                                                        |
| AVG.    | 2.396            | 2.404                    | 2.388                          |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.43             | 3.35                     |  |          |
| PULL #2 | 3.38             | 3.37                     |  |          |
| PULL #3 | 3.36             | 3.38                     |  |          |
| PULL #4 | 3.36             | 3.38                     |  |          |
| PULL #5 | 3.35             | 3.37                     |  |          |
| TOTAL   | 16.88            | 16.85                    |  |          |
| AVG.    | 3.376            | 3.37                     |  |          |

|         | 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             | 4.24                     |                                | 4.26                                 |
| PULL #2 | 4.20             | 4.17                     |                                | 4.21                                 |
| PULL #3 | 4.20             | 4.10                     |                                | 4.22                                 |
| PULL #4 | 4.22             | 4.23                     |                                | 4.21                                 |
| PULL #5 | 4.24             | 4.23                     |                                | 4.21                                 |
| TOTAL   | 21.06            | 20.97                    |                                | 21.11                                |
| AVG.    | 4.212            | 4.194                    |                                | 4.222                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6523324  
8 Nov 1990

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .0665733 |
| 1 TO | 2 | .156627  |
| 1 TO | 3 | .0734302 |
| 1 TO | 4 | .298511  |
| 1 TO | 5 | .145908  |

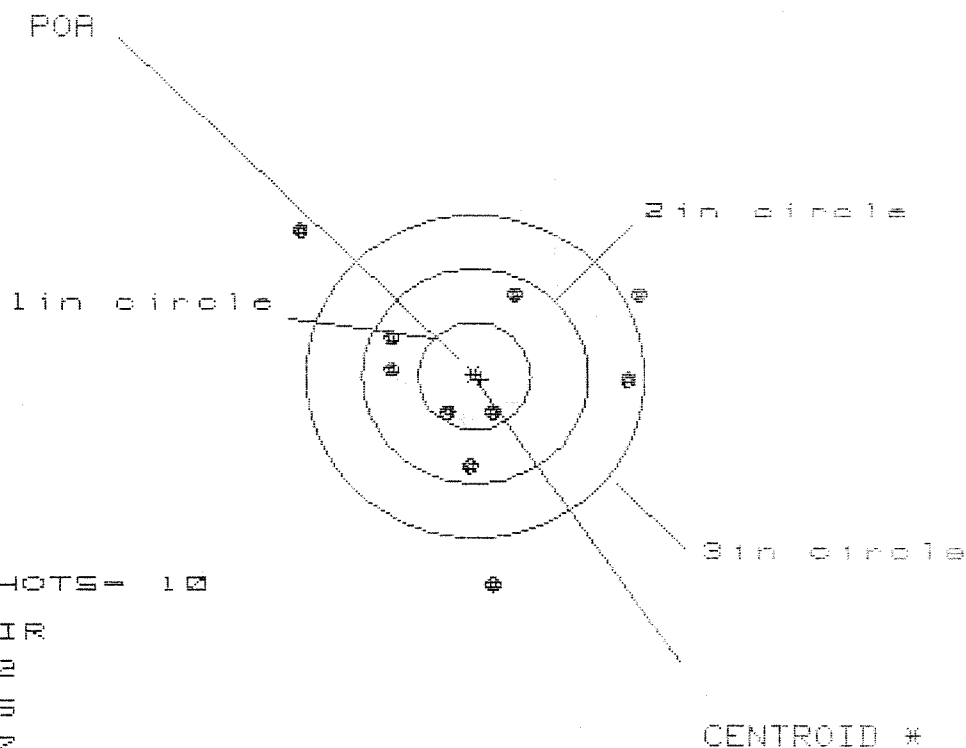
384 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0344  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0593795  
THE AMR FOR THIS RIFLE IS: .8524

8 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08523324

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.043

VS= 3.273

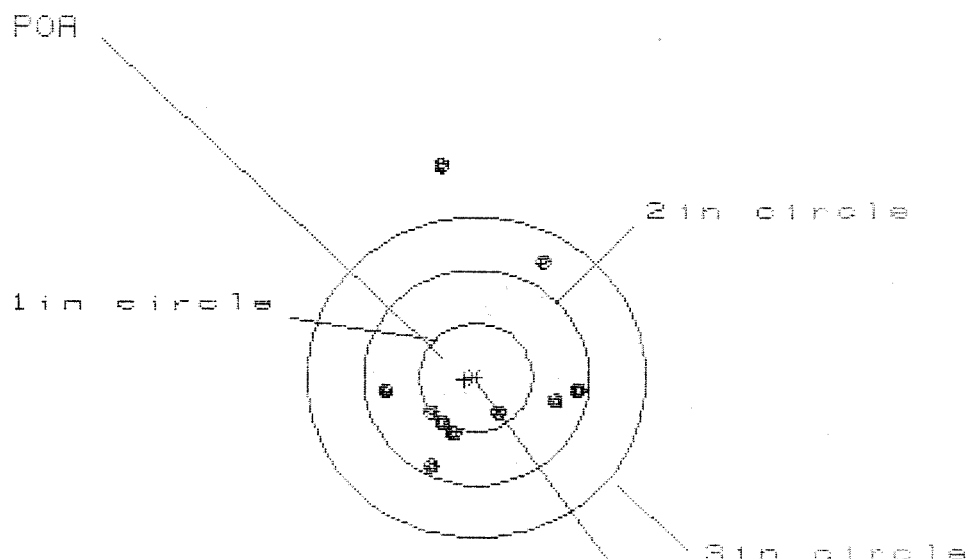
GS= 3.685

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 1      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.470  | 1.295  | 1.288 |
| MINIMUM X                   | : | -1.573 | -.962  | -.969 |
| MAXIMUM Y                   | : | 1.379  | .960   | .743  |
| MINIMUM Y                   | : | -1.894 | -1.741 | -.933 |
| CENTROID X                  | : | -.056  | .119   | .126  |
| CENTROID Y                  | : | .036   | -.117  | .100  |
| POA TO CENTROID in.         | : | .066   | .167   | .161  |
| MIN RADIUS                  | : | .361   | .186   | .482  |
| MEAN RADIUS                 | : | 1.110  | .990   | .907  |
| MAX RADIUS                  | : | 2.092  | 1.742  | 1.472 |
| HORIZONTAL SPREAD           | : | 3.043  | 2.257  | 2.257 |
| VERTICAL SPREAD             | : | 3.273  | 2.701  | 1.676 |
| EXTREME SPREAD              | : | 3.685  | 2.991  | 2.289 |
| 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 = 18

# IN CIR

1in = 1

2in = 8

3in = 9

HS = 1.727

VS = 2.846

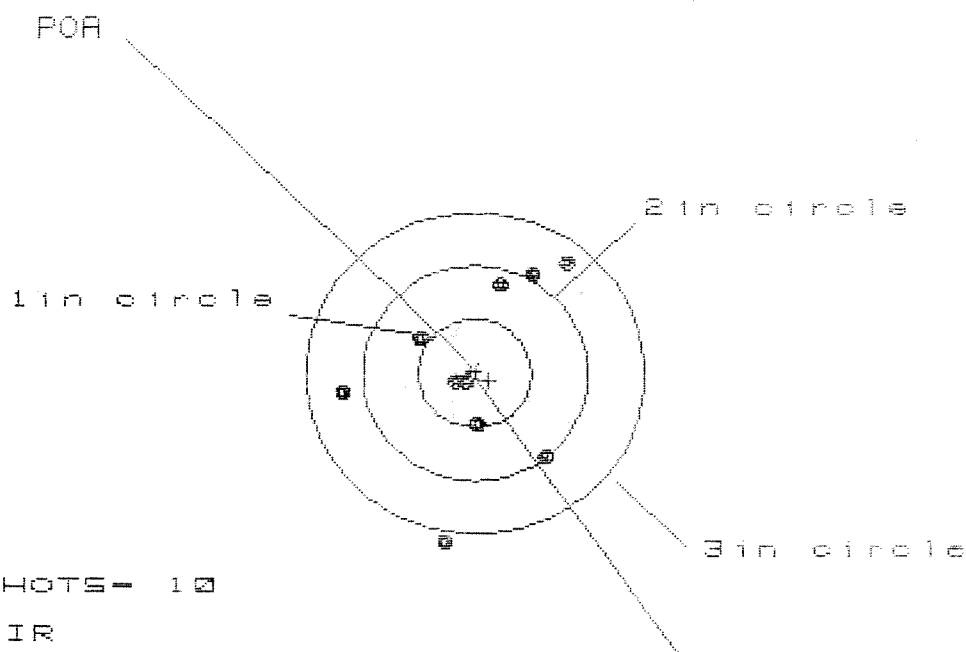
GS = 2.846

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 2     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .893  | .858  | .927  |
| MINIMUM X                   | : | -.834 | -.869 | -.800 |
| MAXIMUM Y                   | : | 1.993 | 1.298 | .259  |
| MINIMUM Y                   | : | -.853 | -.632 | -.469 |
| CENTROID X                  | : | .100  | .135  | .066  |
| CENTROID Y                  | : | .022  | -.199 | -.362 |
| POA TO CENTROID in.         | : | .102  | .241  | .368  |
| MIN RADIUS                  | : | .412  | .212  | .174  |
| MEAN RADIUS                 | : | .865  | .658  | .513  |
| MAX RADIUS                  | : | 2.018 | 1.411 | .963  |
| HORIZONTAL SPREAD           | : | 1.727 | 1.727 | 1.727 |
| VERTICAL SPREAD             | : | 2.846 | 1.930 | .728  |
| EXTREME SPREAD              | : | 2.846 | 2.176 | 1.728 |
| 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

1 in = 3

2 in = 5

3 in = 9

HS= 1.941

VS= 2.567

GS= 2.792

CENTROID #

|                               |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| PATTERN #                     | : | 3      |        |        |
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | .770   | .733   | .659   |
| MINIMUM X                     | : | -1.171 | -1.208 | -1.116 |
| MAXIMUM Y                     | : | .987   | .911   | .857   |
| MINIMUM Y                     | : | -1.580 | -.904  | -.883  |
| CENTROID X                    | : | -.120  | -.083  | -.175  |
| CENTROID Y                    | : | .072   | .248   | .147   |
| POA TO CENTROID in.           | : | .140   | .262   | .228   |
| MIN RADIUS                    | : | .123   | .282   | .145   |
| MEAN RADIUS                   | : | .826   | .751   | .676   |
| MAX RADIUS                    | : | 1.614  | 1.266  | 1.150  |
| HORIZONTAL SPREAD             | : | 1.941  | 1.941  | 1.775  |
| VERTICAL SPREAD               | : | 2.567  | 1.715  | 1.680  |
| EXTREME SPREAD                | : | 2.792  | 2.277  | 2.050  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |        |

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# CENTERFIRE PATTERNS

# 4

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 1.808

VS= 1.447

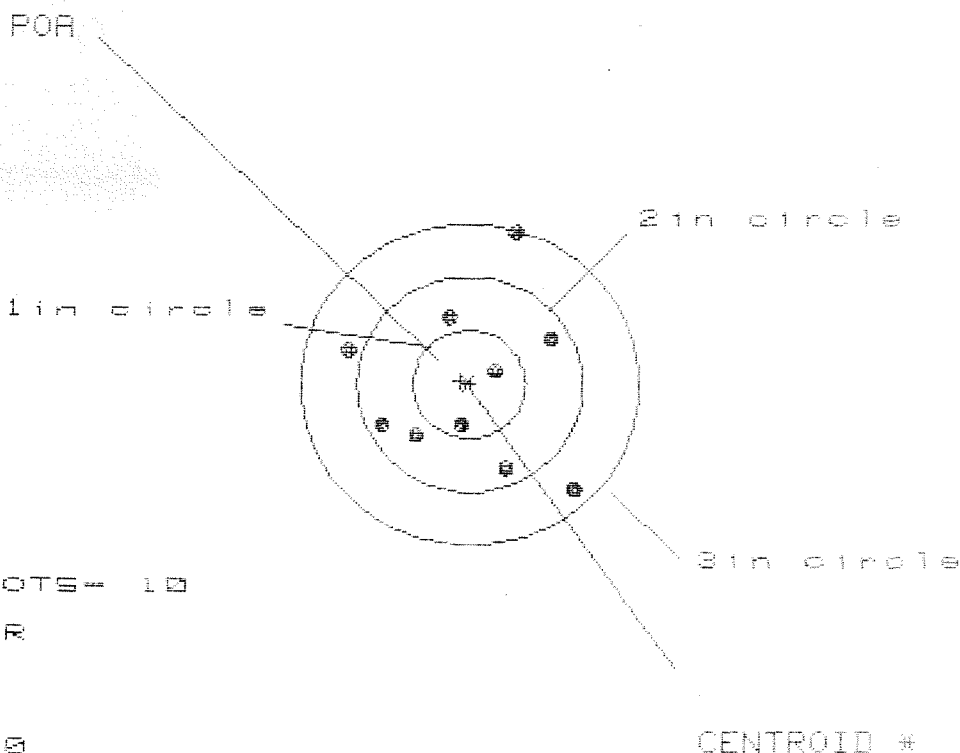
GS= 2.018

| PATTERN #                   | : | 4      | 9     | 8     |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .571   | .434  | .481  |
| MINIMUM X                   | : | -1.236 | -.650 | -.603 |
| MAXIMUM Y                   | : | .813   | .791  | .759  |
| MINIMUM Y                   | : | -.634  | -.656 | -.557 |
| CENTROID X                  | : | .241   | .379  | .332  |
| CENTROID Y                  | : | .066   | .087  | -.011 |
| POA TO CENTROID in.         | : | .250   | .389  | .332  |
| MIN RADIUS                  | : | .089   | .056  | .080  |
| MEAN RADIUS                 | : | .613   | .517  | .459  |
| MAX RADIUS                  | : | 1.252  | .875  | .781  |
| HORIZONTAL SPREAD           | : | 1.808  | 1.084 | 1.084 |
| VERTICAL SPREAD             | : | 1.447  | 1.447 | 1.317 |
| EXTREME SPREAD              | : | 2.018  | 1.648 | 1.427 |
| NUMBER IN ONE INCH CIRCLE   | = | 4      |       |       |
| NUMBER IN TWO INCH CIRCLE   | = | 9      |       |       |
| NUMBER IN THREE INCH CIRCLE | = | 10     |       |       |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.978

VS = 2.349

GS = 2.406

| PATTERN #                     | 5      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .895   | .937   | .872  |
| MINIMUM X                     | -1.083 | -1.041 | -.923 |
| MAXIMUM Y                     | 1.415  | .792   | .695  |
| MINIMUM Y                     | -.934  | -.777  | -.695 |
| CENTROID X                    | .077   | .035   | -.083 |
| CENTROID Y                    | -.024  | -.181  | -.084 |
| POA TO CENTROID in.           | .080   | .184   | .117  |
| MIN RADIUS                    | .283   | .269   | .378  |
| MEAN RADIUS                   | .848   | .762   | .703  |
| MAX RADIUS                    | 1.464  | 1.218  | 1.018 |
| HORIZONTAL SPREAD             | 1.978  | 1.978  | 1.795 |
| VERTICAL SPREAD               | 2.349  | 1.569  | 1.390 |
| EXTREME SPREAD                | 2.406  | 2.323  | 1.804 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |