

C6587680

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

**Remington**



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

MODEL 700™ H24

SERIAL NO.

C6587680

ORDER NO.

5716

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

01



5716 C6587680

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400025159

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587680

| 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 | LB   |
| 618          | Polish Barrel RWB                                              |          | 10/12/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10/12/90 | TH   |
|              | 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  | TH   |

| op. #        | OP. NAME                                                    | READINGS |       |       | DATE     | INIT |          |    |
|--------------|-------------------------------------------------------------|----------|-------|-------|----------|------|----------|----|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 | 11/6/90  | WB   |          |    |
|              | G) Safety Off Force                                         | 2        | 2     | 2     | 11/6/90  | WB   |          |    |
|              | H) Trigger Pull Test & Retainability                        |          |       |       | 11-6-90  | JL   |          |    |
|              | I) Firing Pin Indent                                        | .021     | .0215 | .0215 | 11/6/90  | WB   |          |    |
|              | J) Assemble Stock                                           |          |       |       | 11/6/90  | RW   |          |    |
|              | K) Assemble Swivel Studs                                    |          |       |       | 11/19/90 | JS   |          |    |
|              | 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                                            |          |       |       |          |      |          |    |
|              | A) Headspace                                                |          |       |       | 11/19/90 | JS   |          |    |
|              | B) Trigger Pull                                             | 244      | 242   | 242   | 233      | 243  | 11/19/90 | JS |
|              | C) Function                                                 |          |       |       |          |      | 11/19/90 | JS |
| 660          | Pack                                                        |          |       |       |          |      | 12-7-90  | DH |

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587680

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 | 2.30             | 2.24                     | 2.26                           | 2.44 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.19             | 2.49                     | 2.26                           | 2.42 |                                                                        |
| PULL #3 | 2.25             | 2.47                     | 2.32                           | 2.42 |                                                                        |
| PULL #4 | 2.34             | 2.28                     | 2.28                           | 2.33 |                                                                        |
| PULL #5 | 2.38             | 2.25                     | 2.33                           | 2.43 |                                                                        |
| TOTAL   | 11.46            | 11.93                    | 11.45                          |      |                                                                        |
| AVG.    | 2.292            | 2.346                    | 2.29                           |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.42             | 3.20                     |  |          |
| PULL #2 | 3.39             | 3.42                     |  |          |
| PULL #3 | 3.20             | 3.34                     |  |          |
| PULL #4 | 3.45             | 3.35                     |  |          |
| PULL #5 | 3.41             | 3.26                     |  |          |
| TOTAL   | 16.87            | 16.57                    |  |          |
| AVG.    | 3.374            | 3.314                    |  |          |

|         | 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 | 4.45             | 4.13                     |                                | 4.22                                 |
| PULL #2 | 4.50             | 4.25                     |                                | 4.19                                 |
| PULL #3 | 4.50             | 4.13                     |                                | 4.19                                 |
| PULL #4 | 4.30             | 4.15                     |                                | 4.42                                 |
| PULL #5 | 4.21             | 4.16                     |                                | 4.23                                 |
| TOTAL   | 21.96            | 20.77                    |                                | 21.23                                |
| AVG.    | 4.392            | 4.154                    |                                | 4.246                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587680  
8 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .124619 |
| 1 TO | 2 | .226035 |
| 1 TO | 3 | .322076 |
| 1 TO | 4 | .153026 |
| 1 TO | 5 | .265801 |

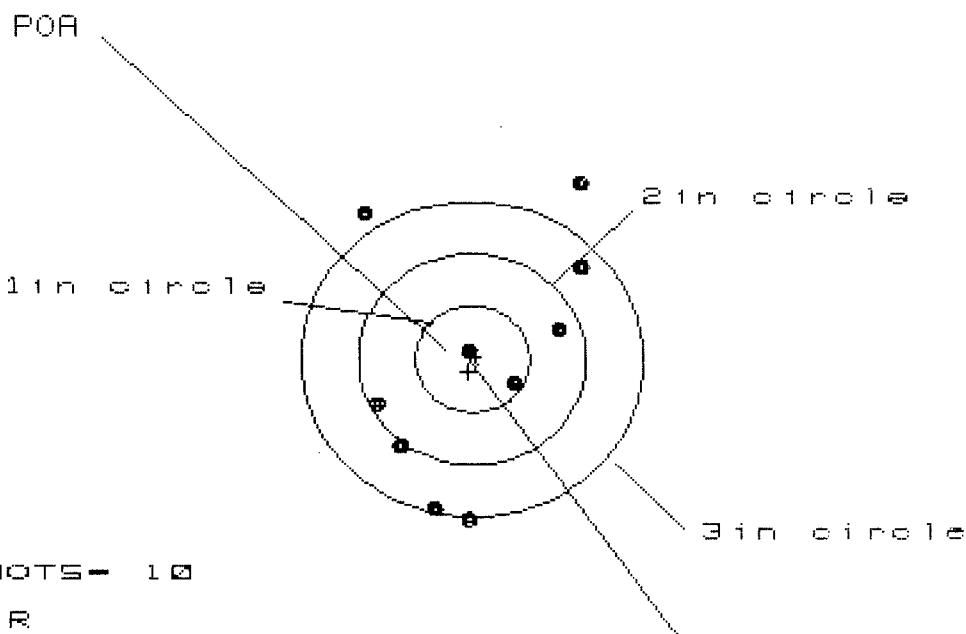
323 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0314  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0202  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0373363  
THE AMR FOR THIS RIFLE IS: .9778

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# CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1in = 2

2in = 4

3in = 7

HS = 1.867

VS = 3.205

GS = 3.364

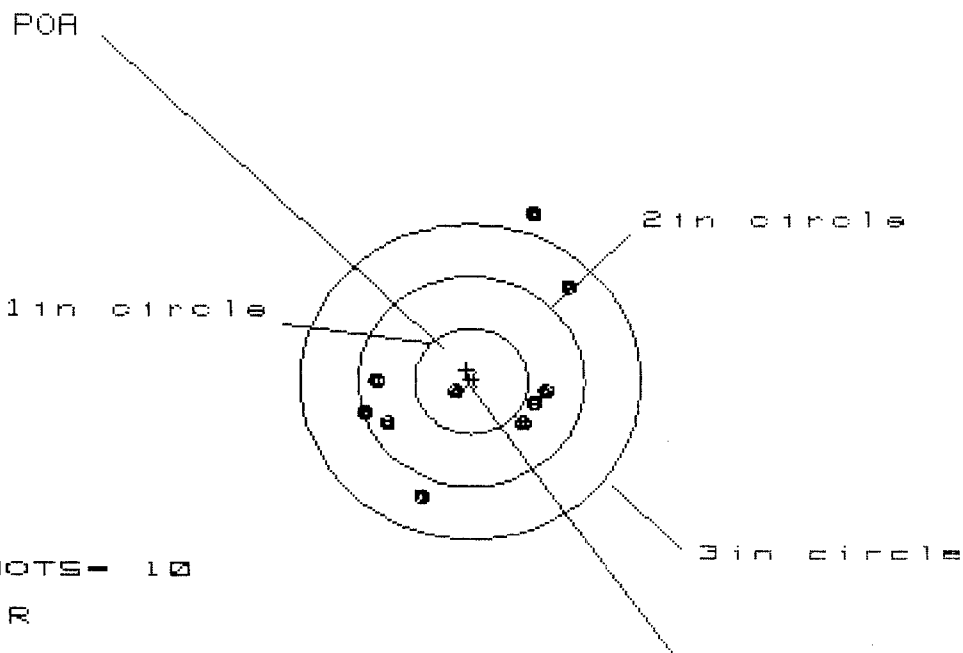
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .926   | 1.022  | .917   |
| MINIMUM X                   | : | -.941  | -.838  | -.867  |
| MAXIMUM Y                   | : | 1.698  | 1.530  | 1.223  |
| MINIMUM Y                   | : | -1.507 | -1.318 | -1.127 |
| CENTROID X                  | : | .037   | -.066  | .039   |
| CENTROID Y                  | : | .119   | -.070  | -.261  |
| POA TO CENTROID in.         | : | .124   | .096   | .264   |
| MIN RADIUS                  | : | .135   | .307   | .403   |
| MEAN RADIUS                 | : | 1.110  | 1.012  | .912   |
| MAX RADIUS                  | : | 1.934  | 1.745  | 1.529  |
| HORIZONTAL SPREAD           | : | 1.867  | 1.860  | 1.784  |
| VERTICAL SPREAD             | : | 3.205  | 2.848  | 2.350  |
| EXTREME SPREAD              | : | 3.364  | 2.979  | 2.593  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.860

VS= 2.761

GS= 2.954

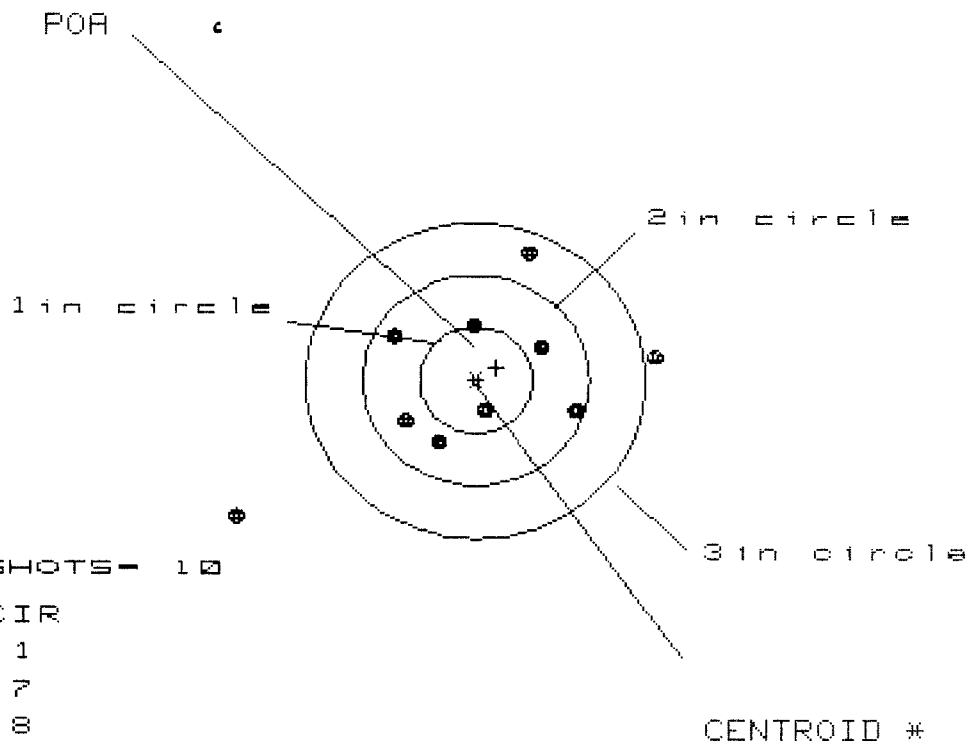
CENTROID #

| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .883   | .949  | .851  |
| MINIMUM X                   | : | -.977  | -.911 | -.792 |
| MAXIMUM Y                   | : | 1.647  | 1.073 | .330  |
| MINIMUM Y                   | : | -1.114 | -.931 | -.797 |
| CENTROID X                  | : | .041   | -.025 | -.144 |
| CENTROID Y                  | : | -.107  | -.290 | -.424 |
| POA TO CENTROID in.         | : | .114   | .291  | .448  |
| MIN RADIUS                  | : | .189   | .124  | .218  |
| MEAN RADIUS                 | : | .894   | .767  | .679  |
| MAX RADIUS                  | : | 1.751  | 1.433 | .876  |
| HORIZONTAL SPREAD           | : | 1.860  | 1.860 | 1.643 |
| VERTICAL SPREAD             | : | 2.761  | 2.004 | 1.127 |
| EXTREME SPREAD              | : | 2.954  | 2.410 | 1.650 |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |       |       |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |       |       |
| NUMBER IN THREE INCH CIRCLE | = | 9      |       |       |

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# CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 3.686

VS= 2.431

GS= 3.949

| PATTERN #                   | : | 3      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.604  | 1.373 | .853  |
| MINIMUM X                   | : | -2.082 | -.949 | -.778 |
| MAXIMUM Y                   | : | 1.199  | 1.062 | 1.068 |
| MINIMUM Y                   | : | -1.232 | -.705 | -.699 |
| CENTROID X                  | : | -.180  | .051  | -.120 |
| CENTROID Y                  | : | -.119  | .018  | .012  |
| POA TO CENTROID in.         | : | .216   | .054  | .121  |
| MIN RADIUS                  | : | .274   | .398  | .381  |
| MEAN RADIUS                 | : | 1.002  | .828  | .746  |
| MAX RADIUS                  | : | 2.419  | 1.374 | 1.154 |
| HORIZONTAL SPREAD           | : | 3.686  | 2.322 | 1.631 |
| VERTICAL SPREAD             | : | 2.431  | 1.767 | 1.767 |
| EXTREME SPREAD              | : | 3.949  | 2.336 | 1.945 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8     |       |

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# CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.841

VS= 2.168

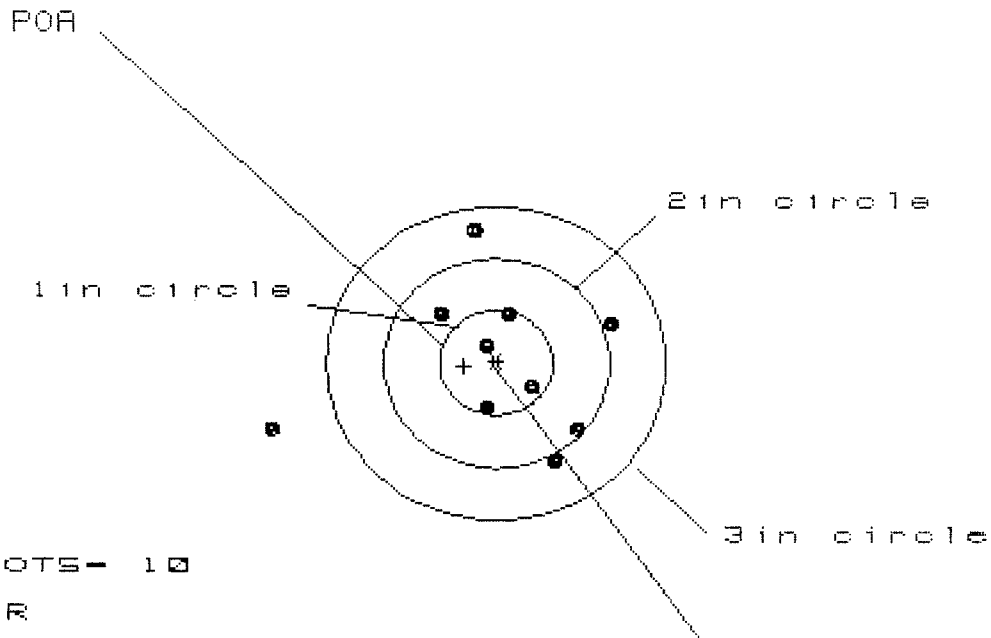
GS= 2.895

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.022  | .820   | .825   |
| MINIMUM X                   | : | -1.819 | -1.015 | -1.010 |
| MAXIMUM Y                   | : | 1.203  | 1.230  | .998   |
| MINIMUM Y                   | : | -.965  | -.938  | -.784  |
| CENTROID X                  | : | -.027  | .175   | .170   |
| CENTROID Y                  | : | -.020  | -.047  | -.201  |
| POA TO CENTROID in.         | : | .034   | .181   | .263   |
| MIN RADIUS                  | : | .519   | .366   | .487   |
| MEAN RADIUS                 | : | 1.023  | .896   | .846   |
| MAX RADIUS                  | : | 1.835  | 1.236  | 1.147  |
| HORIZONTAL SPREAD           | : | 2.841  | 1.835  | 1.835  |
| VERTICAL SPREAD             | : | 2.168  | 2.168  | 1.782  |
| EXTREME SPREAD              | : | 2.895  | 2.221  | 2.084  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS - 10

# IN CIR

1in - 3

2in - 6

3in - 9

HS= 3.029

VS= 2.200

GS= 3.176

| PATTERN #                   | : | 5      | 9     | 8     |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.027  | .804  | .758  |
| MINIMUM X                   | : | -2.002 | -.680 | -.726 |
| MAXIMUM Y                   | : | 1.266  | 1.202 | .576  |
| MINIMUM Y                   | : | -.934  | -.998 | -.848 |
| CENTROID X                  | : | .286   | .509  | .555  |
| CENTROID Y                  | : | .026   | .090  | -.060 |
| POA TO CENTROID in.         | : | .287   | .517  | .558  |
| MIN RADIUS                  | : | .160   | .268  | .113  |
| MEAN RADIUS                 | : | .860   | .709  | .623  |
| MAX RADIUS                  | : | 2.084  | 1.257 | .899  |
| HORIZONTAL SPREAD           | : | 3.029  | 1.484 | 1.484 |
| VERTICAL SPREAD             | : | 2.200  | 2.200 | 1.424 |
| EXTREME SPREAD              | : | 3.176  | 2.300 | 1.693 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |