

BARBER - M24 0103979

FORM

UPC



0 47700 25716 7

C6665916

\*INCLUDES 1 IN CHAMBER

CAPACITY\*

BARREL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0103979 04018

5716

ORDER NO.

MODEL 700 TM M24

**Remington**VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.**MODEL 700™ M24****SERIAL NO.****C6665916****ORDER NO.****5716**

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

20



5716 C6665916

**ORDER 5716**

MODEL 700™ M24

**UPC**

0 47700 25716 7

**ORDER 5716**

MODEL 700™ M24

**UPC**

0 47700 25716 7

**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

**C6665916**

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 9/26/91  | KA   |
| 600          | Proof                                                          |          | 9/26/91  | KA   |
| 607          | Check Headspace                                                |          | 9/26/91  | KA   |
| 610          | Dis-assemble Gun                                               |          | 9/26/91  | KA   |
| 612          | Magnaflux Barrel<br>Action                                     | OCT      | 4 1991   | Ked  |
|              | Magnaflux Bolt                                                 | OCT      | 4 1991   | Ked  |
| 615          | Rollmark Caliber                                               | OCT      | 4 1991   | CS   |
| 617          | Drill and Tap Sight Holes                                      | OCT      | 4 1991   | FB   |
| 618          | Polish Barrel                                                  | OCT      | 4 1991   | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-18-91 | KA   |
|              | Apply Coating (Bolt)                                           |          |          | KA   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/26/91 | KA   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/26/91 | KA   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/26/91 | KA   |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/26/91 | KA   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 12-2-91  | KA   |

| op. #        | BARBER MEM24 0103983                                        | READINGS |      |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 1        | 6    | 6    | 12-29-91 | JK   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    | 12-29-91 | JK   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      | 12-29-91 | JK   |
|              | I) Firing Pin Indent                                        | .022     | .022 | .022 | 12-2-91  | JK   |
|              | J) Assemble Stock                                           |          |      |      | 12/2/91  | JK   |
|              | K) Assemble Swivel Studs                                    |          |      |      | 12-2-91  | JK   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      | 12/2/91  | JK   |
|              | M) Iron Sight Alignment                                     |          |      |      | 12/2/91  | JK   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      | 12/2/91  | JK   |
|              | O) Attach Scope to Rifle                                    |          |      |      | 12/2/91  | JK   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      | 12/2/91  | JK   |
| 640          | Gallery Target & Test                                       |          |      |      | 12/3/91  | KT   |
|              | A) Time                                                     |          |      |      |          | KT   |
|              | B) Malfunctions                                             |          |      |      |          | KT   |
|              | C) Pierced Primers                                          |          |      |      |          | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |      |          | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |      | 12/3/91  | KT   |
| 655          | Final Inspection                                            |          |      |      |          |      |
|              | A) Headspace                                                |          |      |      | 12-17-91 | AC   |
|              | B) Trigger Pull                                             | 2.54     | 2.58 | 2.54 | 12-5-91  | AC   |
|              | C) Function                                                 |          |      |      | 12-17-91 | AC   |
| 660          | Pack                                                        |          |      |      | 12-20-91 | NF   |

SWS TRIGGER PULL TEST

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

SERIAL NO C-6665916DATE 12-2-91TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.47             | 2.37                     | 2.42                           | 2.54 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.44             | 2.39                     | 2.44                           | 2.58 |                                                                        |
| PULL #3 | 2.37             | 2.35                     | 2.39                           | 2.54 |                                                                        |
| PULL #4 | 2.37             | 2.36                     | 2.36                           | 2.51 |                                                                        |
| PULL #5 | 2.40             | 2.39                     | 2.39                           | 2.52 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.57             | 3.44                     |  |          |
| PULL #2 | 3.43             | 3.42                     |  |          |
| PULL #3 | 3.55             | 3.48                     |  |          |
| PULL #4 | 3.42             | 3.41                     |  |          |
| PULL #5 | 3.43             | 3.40                     |  |          |
| 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 | 4.30             | 4.18                     |                                | 4.18                                 |
| PULL #2 | 4.28             | 4.32                     |                                | 4.22                                 |
| PULL #3 | 4.20             | 4.25                     |                                | 4.24                                 |
| PULL #4 | 4.19             | 4.18                     |                                | 4.23                                 |
| PULL #5 | 4.28             | 4.18                     |                                | 4.19                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

DISTANCE CALCULATIONS  
# 06665916

A. DISTANCES

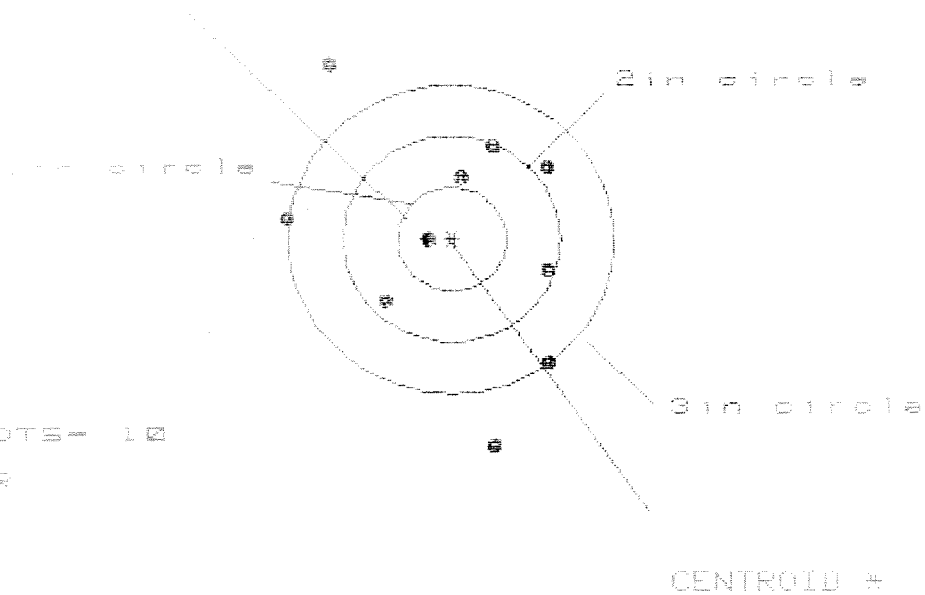
|      |         |
|------|---------|
| 1    | .217008 |
| 2    | .268039 |
| 3    | .138004 |
| TO 4 | .138232 |
| TO 5 | .537619 |

531 <----POR

THIS RIFLE IS: .0462  
THIS RIFLE IS: -.0000  
OF THIS RIFLE IS: .0462000

FILE/PATTERNING/CENTERFIRE\_PATT/06665916

## CENTERFIRE PATTERNS # 1



SHOTS- 10

CIR

1

5

N

4.8N

4.8N

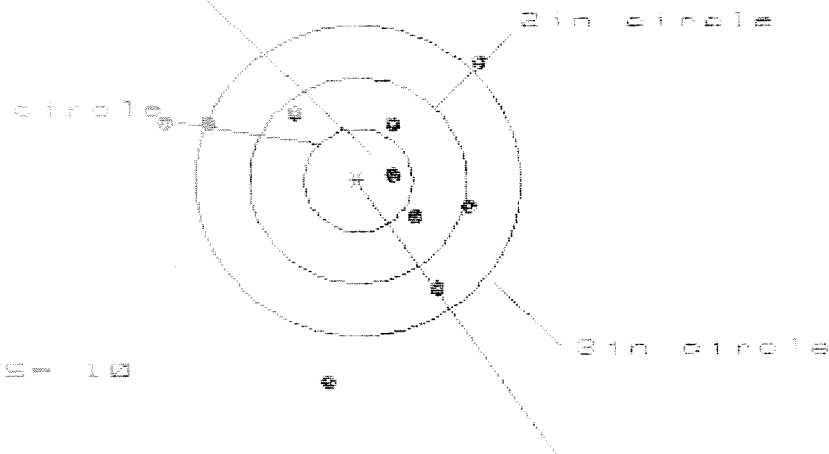
4.8N

| SHOT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|---|---|---|---|---|---|---|---|---|----|
| 1    |   |   |   |   |   |   |   |   |   |    |
| 2    |   |   |   |   |   |   |   |   |   |    |
| 3    |   |   |   |   |   |   |   |   |   |    |
| 4    |   |   |   |   |   |   |   |   |   |    |
| 5    |   |   |   |   |   |   |   |   |   |    |
| 6    |   |   |   |   |   |   |   |   |   |    |
| 7    |   |   |   |   |   |   |   |   |   |    |
| 8    |   |   |   |   |   |   |   |   |   |    |
| 9    |   |   |   |   |   |   |   |   |   |    |
| 10   |   |   |   |   |   |   |   |   |   |    |
| 11   |   |   |   |   |   |   |   |   |   |    |
| 12   |   |   |   |   |   |   |   |   |   |    |
| 13   |   |   |   |   |   |   |   |   |   |    |
| 14   |   |   |   |   |   |   |   |   |   |    |
| 15   |   |   |   |   |   |   |   |   |   |    |
| 16   |   |   |   |   |   |   |   |   |   |    |
| 17   |   |   |   |   |   |   |   |   |   |    |
| 18   |   |   |   |   |   |   |   |   |   |    |
| 19   |   |   |   |   |   |   |   |   |   |    |
| 20   |   |   |   |   |   |   |   |   |   |    |
| 21   |   |   |   |   |   |   |   |   |   |    |
| 22   |   |   |   |   |   |   |   |   |   |    |
| 23   |   |   |   |   |   |   |   |   |   |    |
| 24   |   |   |   |   |   |   |   |   |   |    |
| 25   |   |   |   |   |   |   |   |   |   |    |
| 26   |   |   |   |   |   |   |   |   |   |    |
| 27   |   |   |   |   |   |   |   |   |   |    |
| 28   |   |   |   |   |   |   |   |   |   |    |
| 29   |   |   |   |   |   |   |   |   |   |    |
| 30   |   |   |   |   |   |   |   |   |   |    |
| 31   |   |   |   |   |   |   |   |   |   |    |
| 32   |   |   |   |   |   |   |   |   |   |    |
| 33   |   |   |   |   |   |   |   |   |   |    |
| 34   |   |   |   |   |   |   |   |   |   |    |
| 35   |   |   |   |   |   |   |   |   |   |    |
| 36   |   |   |   |   |   |   |   |   |   |    |
| 37   |   |   |   |   |   |   |   |   |   |    |
| 38   |   |   |   |   |   |   |   |   |   |    |
| 39   |   |   |   |   |   |   |   |   |   |    |
| 40   |   |   |   |   |   |   |   |   |   |    |
| 41   |   |   |   |   |   |   |   |   |   |    |
| 42   |   |   |   |   |   |   |   |   |   |    |
| 43   |   |   |   |   |   |   |   |   |   |    |
| 44   |   |   |   |   |   |   |   |   |   |    |
| 45   |   |   |   |   |   |   |   |   |   |    |
| 46   |   |   |   |   |   |   |   |   |   |    |
| 47   |   |   |   |   |   |   |   |   |   |    |
| 48   |   |   |   |   |   |   |   |   |   |    |
| 49   |   |   |   |   |   |   |   |   |   |    |
| 50   |   |   |   |   |   |   |   |   |   |    |
| 51   |   |   |   |   |   |   |   |   |   |    |
| 52   |   |   |   |   |   |   |   |   |   |    |
| 53   |   |   |   |   |   |   |   |   |   |    |
| 54   |   |   |   |   |   |   |   |   |   |    |
| 55   |   |   |   |   |   |   |   |   |   |    |
| 56   |   |   |   |   |   |   |   |   |   |    |
| 57   |   |   |   |   |   |   |   |   |   |    |
| 58   |   |   |   |   |   |   |   |   |   |    |
| 59   |   |   |   |   |   |   |   |   |   |    |
| 60   |   |   |   |   |   |   |   |   |   |    |
| 61   |   |   |   |   |   |   |   |   |   |    |
| 62   |   |   |   |   |   |   |   |   |   |    |
| 63   |   |   |   |   |   |   |   |   |   |    |
| 64   |   |   |   |   |   |   |   |   |   |    |
| 65   |   |   |   |   |   |   |   |   |   |    |
| 66   |   |   |   |   |   |   |   |   |   |    |
| 67   |   |   |   |   |   |   |   |   |   |    |
| 68   |   |   |   |   |   |   |   |   |   |    |
| 69   |   |   |   |   |   |   |   |   |   |    |
| 70   |   |   |   |   |   |   |   |   |   |    |
| 71   |   |   |   |   |   |   |   |   |   |    |
| 72   |   |   |   |   |   |   |   |   |   |    |
| 73   |   |   |   |   |   |   |   |   |   |    |
| 74   |   |   |   |   |   |   |   |   |   |    |
| 75   |   |   |   |   |   |   |   |   |   |    |
| 76   |   |   |   |   |   |   |   |   |   |    |
| 77   |   |   |   |   |   |   |   |   |   |    |
| 78   |   |   |   |   |   |   |   |   |   |    |
| 79   |   |   |   |   |   |   |   |   |   |    |
| 80   |   |   |   |   |   |   |   |   |   |    |
| 81   |   |   |   |   |   |   |   |   |   |    |
| 82   |   |   |   |   |   |   |   |   |   |    |
| 83   |   |   |   |   |   |   |   |   |   |    |
| 84   |   |   |   |   |   |   |   |   |   |    |
| 85   |   |   |   |   |   |   |   |   |   |    |
| 86   |   |   |   |   |   |   |   |   |   |    |
| 87   |   |   |   |   |   |   |   |   |   |    |
| 88   |   |   |   |   |   |   |   |   |   |    |
| 89   |   |   |   |   |   |   |   |   |   |    |
| 90   |   |   |   |   |   |   |   |   |   |    |
| 91   |   |   |   |   |   |   |   |   |   |    |
| 92   |   |   |   |   |   |   |   |   |   |    |
| 93   |   |   |   |   |   |   |   |   |   |    |
| 94   |   |   |   |   |   |   |   |   |   |    |
| 95   |   |   |   |   |   |   |   |   |   |    |
| 96   |   |   |   |   |   |   |   |   |   |    |
| 97   |   |   |   |   |   |   |   |   |   |    |
| 98   |   |   |   |   |   |   |   |   |   |    |
| 99   |   |   |   |   |   |   |   |   |   |    |
| 100  |   |   |   |   |   |   |   |   |   |    |

FILE:/PATTERNING/CENTERFIRE\_PATT/08665318

## CENTERFIRE PATTERNS # 5

-05-



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 4

3in = 7

CENTROID \*

CE= 2.815

GE= 3.034

GS= 2.310

| PATTERN #              | 10     | 9      | 8      |
|------------------------|--------|--------|--------|
| SHOTS (BEST OF)        | 10     | 9      | 8      |
| MAXIMUM X              | 1.087  | 1.061  | .829   |
| MINIMUM X              | -1.828 | -1.854 | -1.607 |
| MAXIMUM Y              | 1.130  | .918   | .959   |
| MINIMUM Y              | -1.904 | -1.241 | -1.200 |
| CENTROID X             | -.318  | -.292  | -.060  |
| CENTROID Y             | -.055  | .157   | .116   |
| POA (X, Y) (inches)    | .823   | .331   | .130   |
| CL (X, Y) (inches)     | .306   | .315   | .121   |
| CEAD (X, Y) (inches)   | 1.161  | 1.054  | .891   |
| CR (X, Y) (inches)     | 1.919  | 1.883  | 1.654  |
| CEAD (X, Y) (inches)   | 2.915  | 2.915  | 2.436  |
| GEAD (X, Y) (inches)   | 3.034  | 2.159  | 2.159  |
| EXTREME OFFCHG         | 3.310  | 2.992  | 2.610  |
| NUMBER OF SHOTS IN 1IN | = 1    |        |        |
| NUMBER OF SHOTS IN 2IN | = 4    |        |        |
| NUMBER OF SHOTS IN 3IN | = 7    |        |        |

10/1/93

FILE:/PATTERNING/CENTERFIRE\_PATT/08685916

## CENTERFIRE PATTERNS # 4

FOR

1 in circle

2 in circle

3 in circle

# OF SHOTS - 10

# 1 in CIR

1 in = 4

2 in = 7

3 in = 10

CENTROID \*

HEX = 2.881

VSE = 2.186

GE = 2.187

PATTERN #

4

| SHOTS (BEST OF)             | 10     | 9      | 8     |
|-----------------------------|--------|--------|-------|
| MAXIMUM X                   | .846   | .898   | .771  |
| MINIMUM X                   | -1.075 | -1.023 | -.353 |
| MAXIMUM Y                   | 1.368  | 1.124  | 1.121 |
| MINIMUM Y                   | -.819  | -.687  | -.670 |
| CENTROID X                  | .145   | .093   | .220  |
| CENTROID Y                  | .116   | -.036  | -.033 |
| FOR 1 IN. CIRCLE            | .185   | .099   | .223  |
| MIN. RADIUS                 | .172   | .066   | .193  |
| MEAN RADIUS                 | .700   | .573   | .546  |
| MAX. RADIUS                 | 1.446  | 1.147  | 1.176 |
| HORIZONTAL SPREAD           | 1.921  | 1.921  | 1.124 |
| VERTICAL SPREAD             | 2.186  | 1.791  | 1.791 |
| EXTREME SPREAD              | 2.187  | 1.962  | 1.962 |
| NUMBER OF ONE INCH CIRCLE   | 4      | 4      |       |
| NUMBER OF TWO INCH CIRCLE   | 4      | 7      |       |
| NUMBER OF THREE INCH CIRCLE | 4      | 10     |       |

Ref 1531

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## CENTERFIRE PATTERNS # 3

FOR

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 9

CENTROID #

XS= 1.886

YS= 3.035

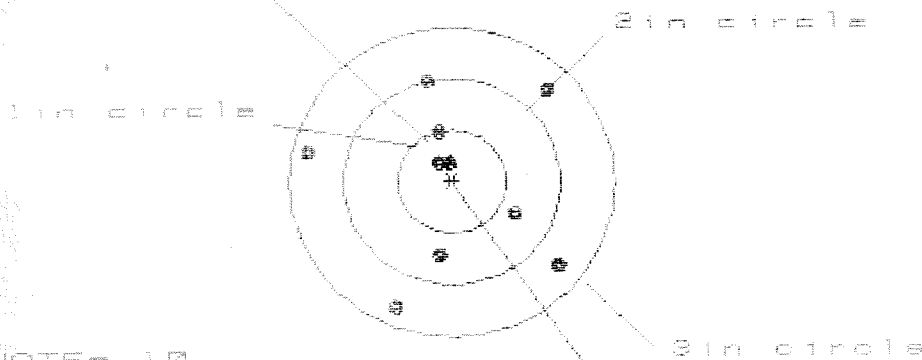
GS= 3.035

| PATTERN #                   | 10     | 9      | 8     |
|-----------------------------|--------|--------|-------|
| SHOTS (BEST OF)             | 10     | 9      | 8     |
| MAXIMUM X                   | .935   | .915   | .892  |
| MINIMUM X                   | -.931  | -.951  | -.974 |
| MAXIMUM Y                   | 1.627  | 1.363  | 1.210 |
| MINIMUM Y                   | -1.408 | -1.227 | -.854 |
| CENTROID X                  | .163   | .183   | .206  |
| CENTROID Y                  | .125   | -.056  | .097  |
| FOR TO CENTROID (X)         | .205   | .192   | .228  |
| MIN RADIUS                  | .221   | .197   | .243  |
| MEAN RADIUS                 | .935   | .846   | .789  |
| MAX RADIUS                  | 1.638  | 1.385  | 1.230 |
| HORIZONTAL SPREAD           | 1.866  | 1.866  | 1.866 |
| VERTICAL SPREAD             | 3.035  | 2.590  | 2.064 |
| EXTREME SPREAD              | 3.035  | 2.625  | 2.143 |
| NUMBER IN ONE INCH CIRCLE   | =      | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | =      | 4      |       |
| NUMBER IN THREE INCH CIRCLE | =      | 9      |       |

FILE:/PATTERNING/CENTERFIRE\_PATT/08685916

## CENTERFIRE PATTERNS # 2

FOR



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 10

ME = 2.270

VE = 2.182

CE = 2.533

CENTROID \*

PATTERN #

2

|                 | 10     | 9      | 8      |
|-----------------|--------|--------|--------|
| SHOTS - BEST OF | 10     | 9      | 8      |
| MAXIMUM         | .974   | .830   | .925   |
| MINIMUM         | -1.296 | -1.641 | -1.546 |
| MAXIMUM         | .997   | 1.024  | 1.143  |
| MINIMUM         | -1.185 | -1.158 | -1.038 |
| CENTROID        | .024   | .168   | .073   |
| CENTROID        | -1.188 | -1.215 | -1.034 |
| POF - circle    | .190   | .273   | .342   |
| ME - circle     | .167   | .279   | .349   |
| CE - circle     | .853   | .808   | .759   |
| ME - circle     | 1.310  | 1.323  | 1.185  |
| POF - circle    | 0.270  | 1.471  | 1.471  |
| ME - circle     | 2.182  | 2.182  | 2.182  |
| EXTEND - circle | 2.533  | 2.533  | 2.196  |
| ME - circle     |        | 3      |        |
| ME - circle     |        | 5      |        |
| ME - circle     |        | 10     |        |