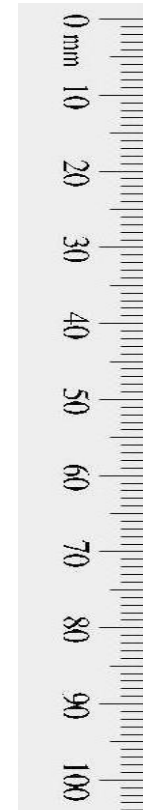


# Mono Laser Printer Repetitive Defect Ruler



|                           | Drum (F) | Mag/Developer (F) | PCR (F) | Upper Fuser (F) | Lower Fuser (B) | Upper Registration (F) | Lower Registration (B) | Transfer (B) | Paper Feed (F) | Delivery (B) | Fuser Guide | UP Div/Exit |
|---------------------------|----------|-------------------|---------|-----------------|-----------------|------------------------|------------------------|--------------|----------------|--------------|-------------|-------------|
| HP 5L, 6L                 | 76.0     | 31.0              | 38.0    | 76.0            | 63.0            |                        |                        | 48.0         |                | 44.0         |             |             |
| HP 4V                     | 94.0     | 63.0              | 43.0    | 88.0            | 85.0            | 51.0                   | 45.0                   | 61.0         |                |              | 37.0        |             |
| HP 4, 5                   | 94.0     | 51.0              | 38.0    | 63.0            | 63.0            |                        |                        | 54.0         |                |              |             |             |
| HP 3Si, 4Si               | 94.0     | 51.0              | 38.0    | 94.0            | 94.0            | 44.0                   |                        | 63.0         |                |              |             |             |
| HP 4L, 4P                 | 75.0     | 38.0              | 38.0    | 75.0            | 47.0            |                        |                        | 44.0         |                | 37.0         |             |             |
| HP 5P, 6P                 | 75.0     | 38.0              | 38.0    | 75.0            | 47.0            |                        |                        | 44.0         |                | 37.0         |             |             |
| HP 5Si, 8000              | 94.0     | 53.0              | 43.0    | 125.0           | 94.0            | 43.0                   |                        | 58.0         |                |              |             | 47.0        |
| HP 1000 (1200)            | 75.0     | 37.0              | 37.0    | 56.0            | 62.0            |                        |                        | 45.0         |                |              |             |             |
| HP 1010, 1012, 1015, 1020 | 76.3     | 37.7              | 30.8    | 56.5            | 41.0            |                        |                        |              | 55.2           |              |             |             |
| HP 1100                   | 75.0     | 32.0              | 38.0    | 76.0            | 64.0            |                        |                        | 46.0         |                | 38.0         |             |             |
| HP 1150                   | 75.0     | 37.0              | 37.0    | 56.0            | 62.0            |                        |                        | 45.0         |                |              |             |             |
| HP 1160/1320              | 76.0     | 46.0              | 39.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP 1200/1220              | 75.0     | 37.0              | 37.0    | 56.0            | 62.0            |                        |                        | 45.0         |                |              |             |             |
| HP 1300                   | 75.0     | 37.0              | 37.0    | 56.0            | 62.0            |                        |                        | 45.0         |                |              |             |             |
| HP 2100/2200              | 94.0     | 50.0              | 38.0    | 75.0            | 63.0            | 44.0                   |                        | 46.0         | 42.0           |              |             |             |
| HP 2300                   | 95.0     | 47.0              | 38.0    | 75.0            | 63.0            |                        |                        | 44.0         |                |              |             |             |
| HP 2400                   | 94.0     | 47.0              | 38.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP 3015, 3020, 3030       | 76.3     | 37.7              | 30.8    | 56.5            | 41.0            |                        |                        |              | 55.2           |              |             |             |
| HP 3100, 3150             | 95.0     | 32.0              | 38.0    | 76.0            | 64.0            |                        |                        | 48.0         |                | 44.0         |             |             |
| HP 3200                   | 75.0     | 32.0              | 38.0    | 76.0            | 64.0            |                        |                        | 46.0         |                | 38.0         |             |             |



(F) Front of Page (B) back of page

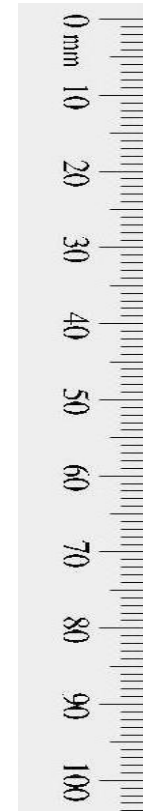
\* This chart is used for locating the cause of images, which repeat at equal intervals. These intervals may not appear at the same place on each page. Once you have located the repeating defects, measure the distance between them. Then locate the number under the corresponding cause. Many defects repeat several times per page. \*\*While the actual magnetic roller circumference is 62.8mm, because of the way it is geared, any defects will likely have an interval of 54mm. Print at full page to achieve ruler accuracy

# Mono Laser Printer Repetitive Defect Ruler



www.metrofuser.com

|                        | Drum (F) | Mag/Developer (F) | PCR (F) | Upper Fuser (F) | Lower Fuser (B) | Upper Registration (F) | Lower Registration (B) | Transfer (B) | Paper Feed (F) | Delivery (B) | Fuser Guide | UP Div/Exit |
|------------------------|----------|-------------------|---------|-----------------|-----------------|------------------------|------------------------|--------------|----------------|--------------|-------------|-------------|
| HP 3300/3380           | 75.0     | 37.0              | 37.0    | 56.0            | 62.0            |                        |                        |              |                |              |             |             |
| HP 4000, 4050          | 94.0     | 51.0              | 38.0    | 75.0            | 64.0            |                        |                        | 48.0         |                |              |             |             |
| HP 4100                | 94.0     | 38.0              | 38.0    | 75.0            | 63.0            | 50.0                   |                        | 47.0         |                |              |             |             |
| HP 4200                | 94.2     | 54**              | 37.7    | 75.0            |                 |                        |                        |              |                |              |             |             |
| HP 4250/4350           | 94.0     | 55.0              | 38.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP 4300                | 94.2     | 54**              | 37.7    | 94.0            |                 |                        |                        |              |                |              |             |             |
| HP 4345                | 94.0     | 54**              | 37.7    | 94.0            |                 |                        |                        | 47.0         |                |              |             |             |
| HP 4350 MFP            | 94.0     | 55.0              | 38.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP 5000, 5100          | 94.0     | 53.0              | 44.0    | 75.0            | 79.0            | 50.0                   |                        | 58.0         |                |              |             |             |
| HP 5200                | 94.0     | 58.0              | 44.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP 8100, 8150          | 94.0     | 53.0              | 44.0    | 141.0           | 100.0           | 44.0                   |                        | 54.0         |                | 47.0         |             |             |
| HP M5025               | 96.0     | 58.0              | 44.0    | 94.0            | 75.0            |                        |                        |              |                |              |             |             |
| HP P1006               | 75.0     | 31.0              | 27.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP P1102/1102W         | 75.0     | 34.0              | 27.0    | 57.0            | 56.0            |                        |                        | 39.0         |                |              |             |             |
| HP P1505               | 75.0     | 31.0              | 27.0    |                 |                 |                        |                        |              |                |              |             |             |
| HP P1606/1566          | 75.0     | 34.0              | 27.0    | 57.0            | 56.0            |                        |                        | 39.0         |                |              |             |             |
| HP P2015               | 75.4     | 44.0              | 37.7    | 56.5            | 69.0            | 43.0                   |                        | 46.2         |                |              |             |             |
| HP P2030, P2050 Series | 75.0     | 42.0              | 38.0    | 57.0            | 63.0            | 43.0                   |                        | 39.0         |                |              |             |             |
| HP P3005               | 96.0     | 47.0              | 38.0    | 76.0            | 62.0            |                        |                        | 43.6         |                |              |             |             |
| HP P3015               | 95.0     | 50.0              | 38.0    | 76.0            | 79.0            |                        |                        | 43.6         |                |              |             |             |
| HP P4014, P4015, P4515 | 94.0     | 63.0              | 37.7    | 94.0            | 94.0            | 79.0                   |                        | 47.0         | 79.0           |              |             |             |



(F) Front of Page (B) back of page

\* This chart is used for locating the cause of images, which repeat at equal intervals. These intervals may not appear at the same place on each page. Once you have located the repeating defects, measure the distance between them. Then locate the number under the corresponding cause. Many defects repeat several times per page. \*\*While the actual magnetic roller circumference is 62.8mm, because of the way it is geared, any defects will likely have an interval of 54mm. Print at full page to achieve ruler accuracy