

# Steel Rules

## SERIES 182

### FEATURES

- Clear graduations on satin-chrome finish.
- Stainless tempered.



182-125



182-110

### SPECIFICATIONS

#### Wide Rigid Rules (thickness 3/64")

| Order No. | Black Chrome Rule Order No. | Size           | Graduations |       |      |         | Width  | Accuracy (Length)                         |
|-----------|-----------------------------|----------------|-------------|-------|------|---------|--------|---|
| 182-101   | 182-109                     | 6" (4R)        | 1/8         | 1/16  | 1/32 | 1/64th  | 3/4"   | +0.004" / -0.0035"<br>(+0.1mm / -0.09mm)  |
| 182-102   | 182-112                     | 6" (16R)       | 1/32        | 1/64  | 1/50 | 1/100th | 3/4"   |   |
| 182-103   | 182-110                     | 6" (5R)        | 1/32        | 1/64  | 1/10 | 1/100th | 3/4"   |   |
| 182-104   | 182-113                     | 6" (3R)        | 1/32        | 1/64  | 1/10 | 1/50th  | 3/4"   |   |
| 182-105   | 182-114                     | 6" x 150mm     | 1/32        | 1/64  | 1mm  | 0.5mm   | 3/4"   |   |
| 182-106   | —                           | 6" x 150mm     | 1/50        | 1/100 | 1mm  | 0.5mm   | 3/4"   |   |
| 182-107   | —                           | 6" x 150mm     | 1/10        | 1/100 | 1mm  | 0.5mm   | 3/4"   |   |
| 182-108   | —                           | 6" x 150mm     | 1/10        | 1/50  | 1mm  | 0.5mm   | 3/4"   |   |
| 182-111   | 182-115                     | 150mm          | 1mm         | 0.5mm | 1mm  | 0.5mm   | 19mm   |   |
| 182-112   | 182-127                     | 12" (4R)       | 1/8         | 1/16  | 1/32 | 1/64th  | 1"     |   |
| 182-122   | 182-129                     | 12" (16R)      | 1/32        | 1/64  | 1/50 | 1/100th | 1"     |   |
| 182-123   | 182-128                     | 12" (5R)       | 1/32        | 1/64  | 1/10 | 1/100th | 1"     |   |
| 182-124   | —                           | 12" (3R)       | 1/32        | 1/64  | 1/10 | 1/50th  | 1"     |   |
| 182-125   | 182-130                     | 12" x 300mm    | 1/32        | 1/64  | 1mm  | 0.5mm   | 1"     |   |
| 182-126   | —                           | 12" x 300mm    | 1/50        | 1/100 | 1mm  | 0.5mm   | 1"     |   |
| 182-131   | 182-132                     | 300mm          | 1mm         | 0.5mm | 1mm  | 0.5mm   | 25mm   |   |
| 182-241   | 182-146                     | 18" (4R)       | 1/8         | 1/16  | 1/32 | 1/64    | 13/16" | +0.006" / -0.0035"<br>(+0.15mm / -0.09mm) |
| 182-142   | 182-148                     | 18" (16R)      | 1/32        | 1/64  | 1/50 | 1/100th | 13/16" |   |
| 182-143   | 182-147                     | 18" (5R)       | 1/32        | 1/64  | 1/10 | 1/100th | 13/16" |   |
| 182-144   | —                           | 18" (3R)       | 1/32        | 1/64  | 1/10 | 1/50th  | 13/16" |   |
| 182-145   | —                           | 18" x 450mm    | 1/32        | 1/64  | 1mm  | 0.5mm   | 13/16" |   |
| 182-151   | —                           | 450mm          | 1mm         | 0.5mm | 1mm  | 0.5mm   | 30mm   |   |
| 182-161   | 182-166                     | 24" (4R)       | 1/8         | 1/16  | 1/32 | 1/64    | 13/16" | +0.007" / -0.0035"<br>(+0.18mm / -0.09mm) |
| 182-162   | 182-168                     | 24" (16R)      | 1/32        | 1/64  | 1/50 | 1/100th | 13/16" |   |
| 182-163   | 182-167                     | 24" (5R)       | 1/32        | 1/64  | 1/10 | 1/100th | 13/16" |   |
| 182-164   | —                           | 24" (3R)       | 1/32        | 1/64  | 1/10 | 1/50th  | 13/16" |   |
| 182-165   | —                           | 24" x 600mm    | 1/32        | 1/64  | 1mm  | 0.5mm   | 13/16" |   |
| 182-171   | —                           | 600mm          | 1mm         | 0.5mm | 1mm  | 0.5mm   | 30mm   |   |
| 182-401   | —                           | 36" (4R)       | 1/8         | 1/16  | 1/32 | 1/64    | 11/4"  |   |
| 182-403   | —                           | 36" (16R)      | 1/32        | 1/64  | 1/50 | 1/100th | 11/4"  |   |
| 182-405   | —                           | 36" (5R)       | 1/32        | 1/64  | 1/10 | 1/100th | 11/4"  |   |
| 182-406   | —                           | 36" x 900mm    | 1/32        | 1/64  | 1mm  | 0.5mm   | 11/4"  |   |
| 182-402   | —                           | 48" (4R)       | 1/8         | 1/16  | 1/32 | 1/64    | 11/4"  | +0.008" / -0.004"<br>(+0.2mm / -0.1mm)    |
| 182-404   | —                           | 48" (16R)      | 1/32        | 1/64  | 1/50 | 1/100th | 11/4"  |   |
| 182-407   | —                           | 48" x 1219.2mm | 1/32        | 1/64  | 1mm  | 0.5mm   | 11/4"  |   |

Mitutoyo

# Steel Rules

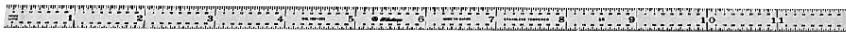
## SERIES 182

### FEATURES

- Clear graduations on satin-chrome finish.
- Stainless tempered.



182-265



182-223

### SPECIFICATIONS

#### Full-Flexible Rules (thickness 1/64")

| Order No. | Black Chrome Rule Order No. | Size        | Graduations |       |      |         | Width | Accuracy (Length)                         |
|-----------|-----------------------------|-------------|-------------|-------|------|---------|-------|---|
| 182-201   | 182-212                     | 6"(4R)      | 1/8         | 1/16  | 1/32 | 1/64th  | 1/2"  | +0.004" / -0.0035"<br>(+0.1mm / -0.09mm)  |
| 182-202   | 182-214                     | 6"(16R)     | 1/32        | 1/64  | 1/50 | 1/100th | 1/2"  |   |
| 182-203   | 182-213                     | 6"(5R)      | 1/32        | 1/64  | 1/10 | 1/100th | 1/2"  |   |
| 182-204   | 182-215                     | 6"(3R)      | 1/32        | 1/64  | 1/10 | 1/50th  | 1/2"  |   |
| 182-205   | 182-216                     | 6" x 150mm  | 1/32        | 1/64  | 1mm  | 0.5mm   | 1/2"  |   |
| 182-206   | —                           | 6" x 150mm  | 1/50        | 1/100 | 1mm  | 0.5mm   | 1/2"  |   |
| 182-207   | —                           | 6" x 150mm  | 1/10        | 1/100 | 1mm  | 0.5mm   | 1/2"  |   |
| 182-208   | —                           | 6" x 150mm  | 1/10        | 1/50  | 1mm  | 0.5mm   | 1/2"  |   |
| 182-211   | 182-209                     | 150mm       | 1mm         | 0.5mm | 1mm  | 0.5mm   | 12mm  | +0.005" / -0.0035"<br>(+0.13mm / -0.09mm) |
| 182-221   | 182-217                     | 12"(4R)     | 1/8         | 1/16  | 1/32 | 1/64th  | 1/2"  |   |
| 182-222   | 182-219                     | 12"(16R)    | 1/32        | 1/64  | 1/50 | 1/100th | 1/2"  |   |
| 182-223   | 182-218                     | 12"(5R)     | 1/32        | 1/64  | 1/10 | 1/100th | 1/2"  |   |
| 182-224   | —                           | 12"(3R)     | 1/32        | 1/64  | 1/10 | 1/50th  | 1/2"  |   |
| 182-225   | 182-220                     | 12" x 300mm | 1/32        | 1/64  | 1mm  | 0.5mm   | 1/2"  |   |
| 182-226   | —                           | 12" x 300mm | 1/50        | 1/100 | 1mm  | 0.5mm   | 1/2"  |   |
| 182-231   | 182-210                     | 300mm       | 1mm         | 0.5mm | 1mm  | 0.5mm   | 12mm  |   |
| 182-141   | 182-246                     | 18"(4R)     | 1/8         | 1/16  | 1/32 | 1/64    | 3/4"  | +0.006" / -0.0035"<br>(+0.15mm / -0.09mm) |
| 182-242   | 182-248                     | 18"(16R)    | 1/32        | 1/64  | 1/50 | 1/100th | 3/4"  |   |
| 182-243   | 182-247                     | 18"(5R)     | 1/32        | 1/64  | 1/10 | 1/100th | 3/4"  |   |
| 182-244   | —                           | 18"(3R)     | 1/32        | 1/64  | 1/10 | 1/50th  | 3/4"  |   |
| 182-245   | —                           | 18" x 450mm | 1/32        | 1/64  | 1mm  | 0.5mm   | 3/4"  |   |
| 182-251   | —                           | 450mm       | 1mm         | 0.5mm | 1mm  | 0.5mm   | 18mm  |   |
| 182-261   | 182-266                     | 24"(4R)     | 1/8         | 1/16  | 1/32 | 1/64    | 3/4"  | +0.007" / -0.0035"<br>(+0.18mm / -0.09mm) |
| 182-262   | 182-268                     | 24"(16R)    | 1/32        | 1/64  | 1/50 | 1/100th | 3/4"  |   |
| 182-263   | 182-267                     | 24"(5R)     | 1/32        | 1/64  | 1/10 | 1/100th | 3/4"  |   |
| 182-264   | —                           | 24"(3R)     | 1/32        | 1/64  | 1/10 | 1/50th  | 3/4"  |   |
| 182-265   | —                           | 24" x 600mm | 1/32        | 1/64  | 1mm  | 0.5mm   | 3/4"  |   |
| 182-271   | —                           | 600mm       | 1mm         | 0.5mm | 1mm  | 0.5mm   | 18mm  |   |

#### Flexible Rules

|         |   |             |      |      |      |         |      |   |
|---------|---|-------------|------|------|------|---------|------|---|
| 182-411 | — | 36"(4R)     | 1/8  | 1/16 | 1/32 | 1/64    | 3/4" | +0.007" / -0.0035"<br>(+0.18mm / -0.09mm) |
| 182-413 | — | 36"(16R)    | 1/32 | 1/64 | 1/50 | 1/100th | 3/4" |   |
| 182-415 | — | 36"(5R)     | 1/32 | 1/64 | 1/10 | 1/100th | 3/4" |   |
| 182-416 | — | 36" x 900mm | 1/32 | 1/64 | 1mm  | 0.5mm   | 3/4" | +0.008" / -0.004"<br>(+0.2mm / -0.1mm)    |
| 182-412 | — | 48"(4R)     | 1/8  | 1/16 | 1/32 | 1/64    | 3/4" |   |
| 182-414 | — | 48"(16R)    | 1/32 | 1/64 | 1/50 | 1/100th | 3/4" |   |