

## Mitutoyo ID-C Digimatic Indicators Comparison Table

| Model       | Range        | Resolution    | Interface | Force        | Accuracy (+/-)  |
|-------------|--------------|---------------|-----------|--------------|-----------------|
| Inch/Metric |              |               |           |              |                 |
| 543-701     | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 1.5N or less | .00012in/.003mm |
| 543-701B    | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 1.5N or less | .00012in/.003mm |
| 543-702     | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 1.5N or less | .00012in/.003mm |
| 543-702B    | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 1.5N or less | .00012in/.003mm |
| 543-706**   | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 0.4 to 0.7N  | .00012in/.003mm |
| 543-706B**  | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 0.4 to 0.7N  | .00012in/.003mm |
| 543-707**   | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 0.4 to 0.7N  | .00012in/.003mm |
| 543-707B**  | 0.5in/12.7mm | Selectable*   | d1/d2/S1  | 0.4 to 0.7N  | .00012in/.003mm |
| 543-721B    | 1in/25.4mm   | Selectable*   | d1/d2/S1  | 1.8N or less | .0002in/.005mm  |
| 543-722B    | 1in/25.4mm   | Selectable*   | d1/d2/S1  | 1.8N or less | .0002in/.005mm  |
| 543-731B    | 2in/50.8mm   | Selectable*   | d1/d2/S1  | 2.3N or less | .0002in/.005mm  |
| 543-732B    | 2in/50.8mm   | Selectable*   | d1/d2/S1  | 2.3N or less | .0002in/.005mm  |
| 543-711     | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.9N or less | .001in/.02mm    |
| 543-711B    | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.9N or less | .001in/.02mm    |
| 543-712     | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.9N or less | .001in/.02mm    |
| 543-712B    | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.9N or less | .001in/.02mm    |
| 543-716**   | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.2 to 0.5N  | .001in/.02mm    |
| 543-716B**  | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.2 to 0.5N  | .001in/.02mm    |
| 543-717**   | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.2 to 0.5N  | .001in/.02mm    |
| 543-717B**  | 0.5in/12.7mm | .0005in/.01mm | d1/S1     | 0.2 to 0.5N  | .001in/.02mm    |
| 543-726B    | 1in/25.4mm   | .0005in/.01mm | d1/S1     | 1.8N or less | .001in/.02mm    |
| 543-727B    | 1in/25.4mm   | .0005in/.01mm | d1/S1     | 1.8N or less | .001in/.02mm    |
| 543-736B    | 2in/50.8mm   | .0005in/.01mm | d1/S1     | 2.3N or less | .0015in/.04mm   |
| 543-737B    | 2in/50.8mm   | .0005in/.01mm | d1/S1     | 2.3N or less | .0015in/.04mm   |

*B Models: **Flat Back***

*Other: **Lug Back***

**\*\*Low Measuring Force**

**\*Selectable: 0.00002/0.00005/ 0.0001/0.0005in; 0.0005/ 0.001/0.01mm**

| Metric    | Range  | Resolution  | Interface | Force        | Accuracy (+/-) |
|-----------|--------|-------------|-----------|--------------|----------------|
| 543-700   | 12.7mm | Selectable* | d1/d2/S1  | 1.5N or less | .003mm         |
| 543-700B  | 12.7mm | Selectable* | d1/d2/S1  | 1.5N or less | .003mm         |
| 543-705** | 12.7mm | Selectable* | d1/d2/S1  | 0.4 to 0.7N  | .003mm         |

|            |        |             |          |              |        |
|------------|--------|-------------|----------|--------------|--------|
| 543-705B** | 12.7mm | Selectable* | d1/d2/S1 | 0.4 to 0.7N  | .003mm |
| 543-720B   | 25.4mm | Selectable* | d1/d2/S1 | 1.8N or less | .003mm |
| 543-730B   | 50.8mm | Selectable* | d1/d2/S1 | 2.3N or less | .005mm |
| 543-710    | 12.7mm | .01mm       | d1/S1    | 0.9N or less | .02mm  |
| 543-710B   | 12.7mm | .01mm       | d1/S1    | 0.9N or less | .02mm  |
| 543-715**  | 12.7mm | .01mm       | d1/S1    | 0.2 to 0.5N  | .02mm  |
| 543-715B** | 12.7mm | .01mm       | d1/S1    | 0.2 to 0.5N  | .02mm  |
| 543-725B   | 25.4mm | .01mm       | d1/S1    | 1.8N or less | .02mm  |
| 543-735B   | 50.8mm | .01mm       | d1/S1    | 2.3N or less | .04mm  |

*B Models: **Flat Back***

*Other: **Lug Back***

**\*\*Low Measuring Force**

**\*Selectable: 0.0005/0.001/ 0.01mm**