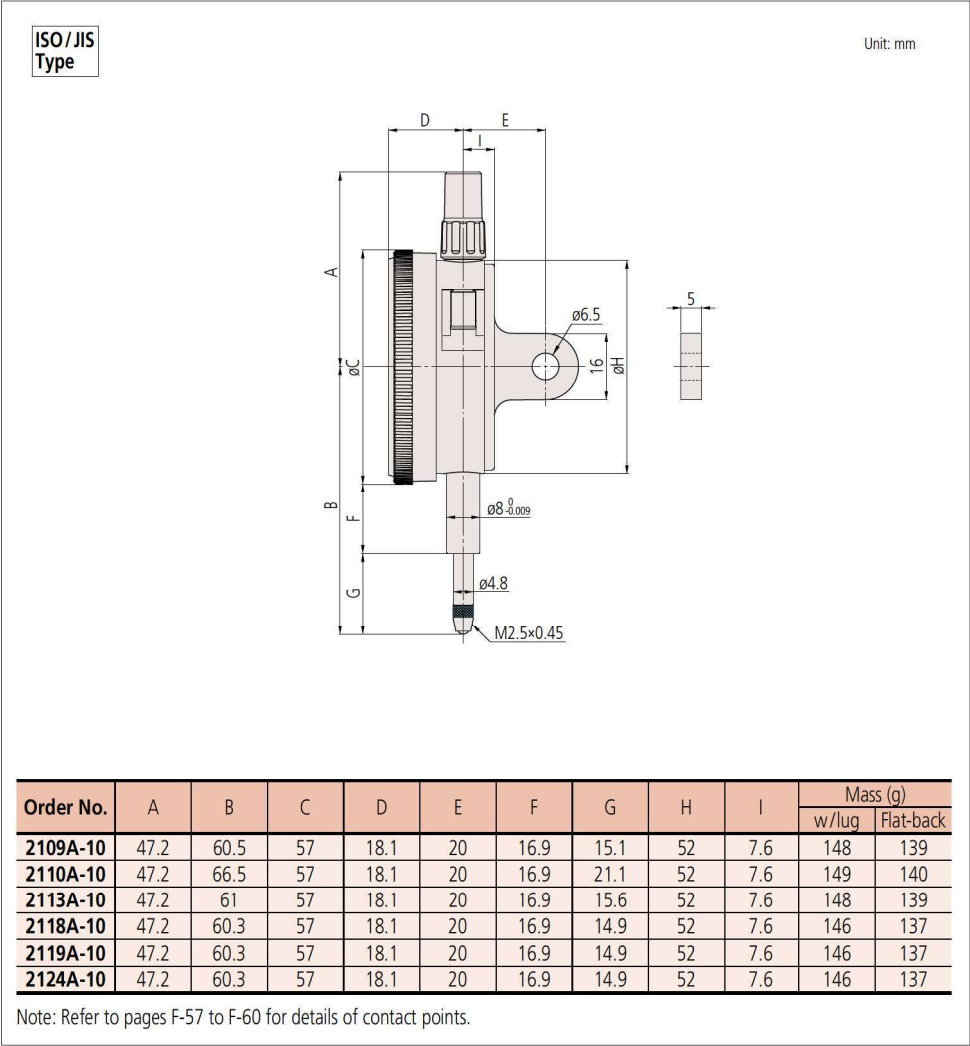


# Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

## DIMENSIONS



### Optional Accessories

- Limit hand (2 pcs.): **21AZB195**
- Bezel clamp: **21AZB148**

## FEATURES

| Metric    |           |     |     |     |     |     |     |
|-----------|-----------|-----|-----|-----|-----|-----|-----|
| Order No. |           | ISO | JIS | 60° | 60° | 60° | 60° |
| w/lug     | Flat-back |     |     |     |     |     |     |
| 2109A-10  | 2109AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| 2110A-10  | 2110AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| 2113A-10  | 2113AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| 2118A-10  | 2118AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| 2119A-10  | 2119AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |
| 2124A-10  | 2124AB-10 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |

## SPECIFICATIONS

| Metric    |           |                 |                        |                                      |         |       |                 |            |                |              |                     | ISO/JIS type |
|-----------|-----------|-----------------|------------------------|--------------------------------------|---------|-------|-----------------|------------|----------------|--------------|---------------------|--------------|
| Order No. |           | Graduation (mm) | Range (range/rev) (mm) | Maximum permissible error (MPE) (μm) |         |       |                 |            |                | Dial reading | Measuring force (N) |              |
| w/lug     | Flat-back |                 |                        | Indication error                     |         |       |                 | Hysteresis | Repeat-ability |              |                     |              |
|           |           |                 |                        | 1/10 Rev                             | 1/2 Rev | 1 Rev | Measuring range |            |                |              |                     |              |
| 2109A-10  | 2109AB-10 | 0.001           | 1 (0.2)                | 2                                    | 3       | 4     | 5               | 2          | 0.5            | 0-100-0      | 1.5 or less         |              |
| 2110A-10  | 2110AB-10 | 0.001           | 1 (0.1)                | 2                                    | 3       | 4     | 5               | 2          | 0.5            | ±0-100       | 1.8 or less         |              |
| 2113A-10  | 2113AB-10 | 0.001           | 2 (0.2)                | 2                                    | 4       | 5     | 7               | 2          | 0.5            | 0-100-0      | 1.5 or less         |              |
| 2118A-10  | 2118AB-10 | 0.001           | 5 (0.2)                | 3.5                                  | 5       | 6     | 10              | 3          | 1              | 0-100-100    | 1.5 or less         |              |
| 2119A-10  | 2119AB-10 | 0.001           | 5 (0.2)                | 3.5                                  | 5       | 6     | 10              | 3          | 1              | 0-100-0      | 1.5 or less         |              |
| 2124A-10  | 2124AB-10 | 0.005           | 5 (0.5)                | 5                                    | 8       | 9     | 12              | 3          | 3              | ±0-50        | 1.5 or less         |              |

Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.