

# Dial Indicator

## SERIES 2 — Standard Type, 0.001mm Resolution

### FEATURES

- Standard 0.01mm graduation dial gauges having an outer frame with an outside diameter of  $\varnothing 57\text{mm}$ . All types come with limit pins and an outer frame clamp.
- The outer clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- Secured adhesion between the outer frame and crystal as well as the use of an O-ring ensure countermeasures against water and oil permeation via the front face.
- The stem spindle is made of high-strength quench-hardened stainless steel which resists strenuous use.
- A carbide contact point is used.
- The grand gear uses stainless steel that is resistant to wear and deformation.
- Application of a hard coating on the surface of the crystal makes the gauge highly scratch- and chemical-resistant.
- A special alloy is used for the sector gears to provide improved wear resistance.
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- The bearing part uses jeweled bearings, providing excellent indication sensitivity and durability.



2109S-10



2110S-10



2119S-10



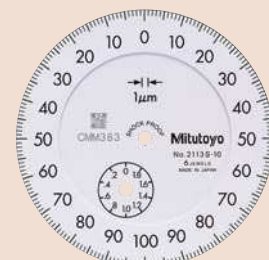
(Refer to the page 9 for details.)



2109S-10  
2109SH-10  
2109S-70  
2109SLB-10



2110S-10  
2110S-70



2113S-10



Shockproof type



Waterproof type



Long stem type



Jeweled bearing type



Double scale spacing type

## SPECIFICATIONS

Metric

ISO/JIS type

Graduation	Order No.		Range (range/rev)	Accuracy	Dial reading	Measuring force					
	w/ lug	Flat-back									
0.005mm	<b>2124S-10</b>	<b>2124SB-10</b>	5mm (0.5mm)	±12μm	0-50	1.5N or less	—	—	—	✓	—
0.001mm	<b>2110S-10</b>	<b>2110SB-10</b>	1mm (0.1mm)	±5μm	0-100	1.5N or less	✓	—	—	✓	✓
0.001mm	<b>2110S-70</b>	<b>2110SB-70</b>	1mm (0.1mm)	±5μm	0-100	2.0N or less	✓	✓	—	✓	✓
0.001mm	<b>2109S-10</b>	<b>2109SB-10</b>	1mm (0.2mm)	±5μm	0-100-0	1.5N or less	✓	—	—	✓	—
0.001mm	<b>2109SH-10</b>	<b>2109SHB-10</b>	1mm (0.2mm)	±3μm	0-100-0	1.5N or less	✓	—	—	✓	—
0.001mm	—	<b>2109SLB-10</b>	1mm (0.2mm)	±5μm	0-100-0	1.5N or less	✓	—	✓	✓	—
0.001mm	<b>2109S-70</b>	<b>2109SB-70</b>	1mm (0.2mm)	±5μm	0-100-0	2.0N or less	✓	✓	—	✓	—
0.001mm	<b>2113S-10</b>	<b>2113SB-10</b>	2mm (0.2mm)	±7μm	0-100-0	1.5N or less	✓	—	—	✓	—
0.001mm	<b>2118S-10</b>	<b>2118SB-10</b>	5mm (0.2mm)	±10μm	0-100-100	1.5N or less	—	—	—	✓	—
0.001mm	<b>2119S-10</b>	<b>2119SB-10</b>	5mm (0.2mm)	±10μm	0-100-0	1.5N or less	—	—	—	✓	—



2118S-10

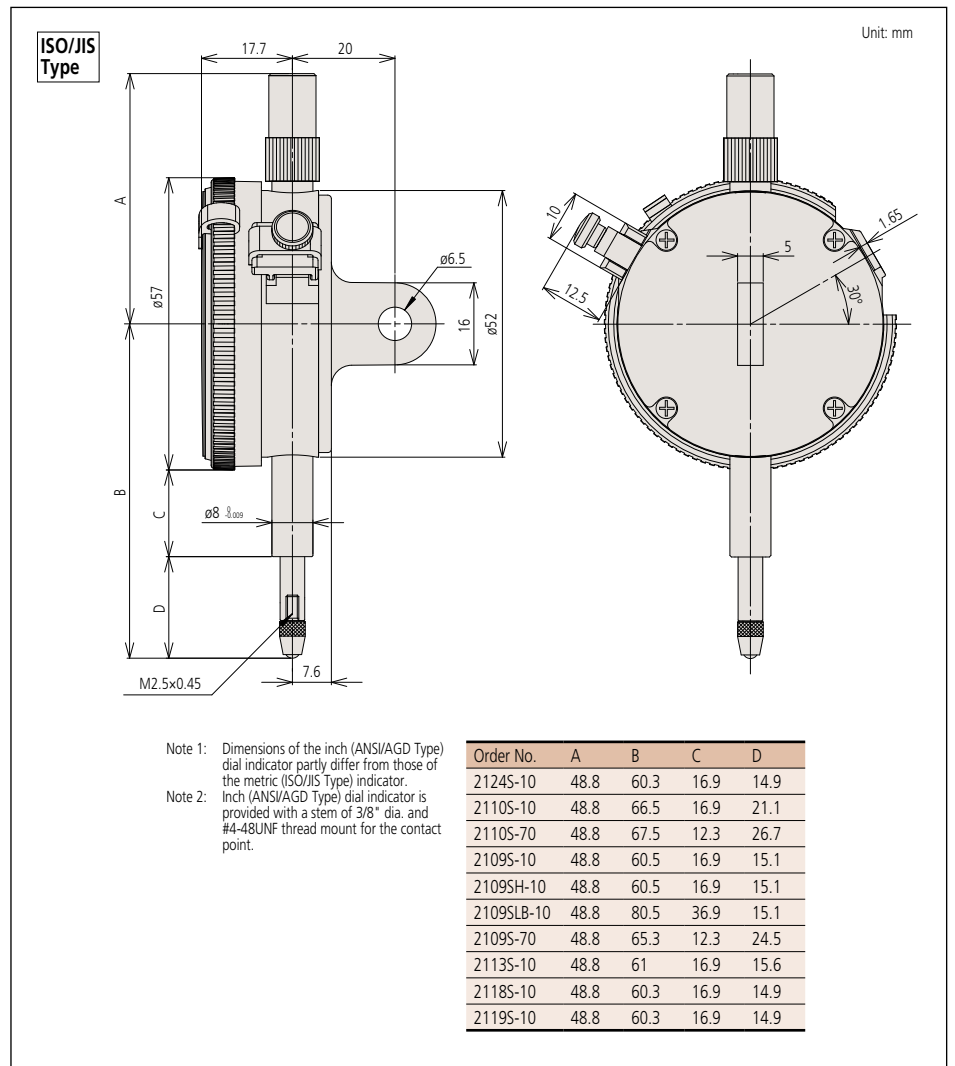


2119S-10



2124S-10

## DIMENSION



### Optional Accessory

- : Backs (See page 266.)
- : Contact points (See page 264.)