

Dial Indicators

SERIES 2 – 0.001 mm and 0.005 mm Graduation Dial Indicators

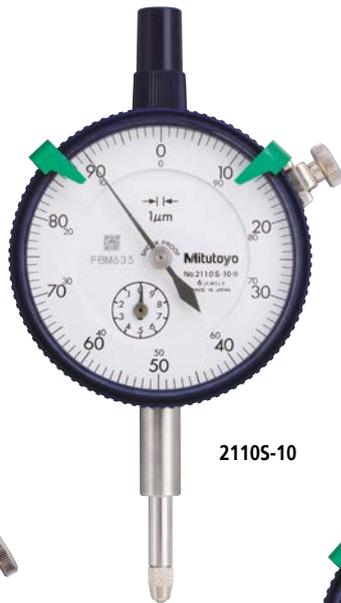
- Standard 0.001 mm and 0.005 mm graduation dial indicators having a bezel with an outside diameter of 57 mm. All types come with limit markers and a bezel clamp.
- The outer clamp and lifting lever (optional) can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- Secure adhesion between the bezel and crystal as well as the use of an O-ring prevents water or oil penetration.
- The plunger is made of high-strength quench hardened stainless steel which resists arduous use.
- A carbide contact point is used.
- A special alloy is used for the sector gears to provide improved wear resistance.
- The indicator uses jewelled bearings, providing excellent indication sensitivity and durability.
- Application of a hard coating on the surface of the crystal makes it highly resistant to scratching and chemical attack.



21135-10



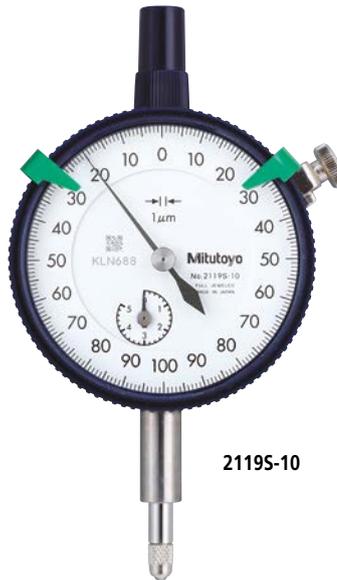
21245-10



21105-10



21095-10



21195-10

Specifications

Metric

Code No.	Graduation	Range (range/rev)	Accuracy				Repeat-ability	Scale	Measuring force
			Overall	Retrace	1/10 rev	1 rev			
21095-10	0.001 mm	1 mm (0.2 mm)	5 µm	2 µm	2 µm	4 µm	0.5 µm	0-100-0	1.5 N or less
21105-10		1 mm (0.1 mm)							
21105-70		2 mm (0.2 mm)	7 µm	5 µm					
21135-10		5 mm (0.2 mm)	10 µm	6 µm	1 µm				
21195-10	0.005 mm	5 mm (0.5 mm)	3 µm	5 µm	9 µm	3 µm	±0-50	1.5 N or less	
21245-10		5 mm (0.5 mm)		12 µm	5 µm	9 µm			3 µm

Features

Metric						
Code No.						
2109S-10	—	✓	✓	—	✓	—
2110S-10	✓	—	✓	—	✓	✓
2110S-70	✓	—	✓	✓	✓	✓
2113S-10	—	✓	✓	—	✓	—
2119S-10	—	✓	—	—	✓	—
2124S-10	✓	—	—	—	✓	—

Optional Accessories

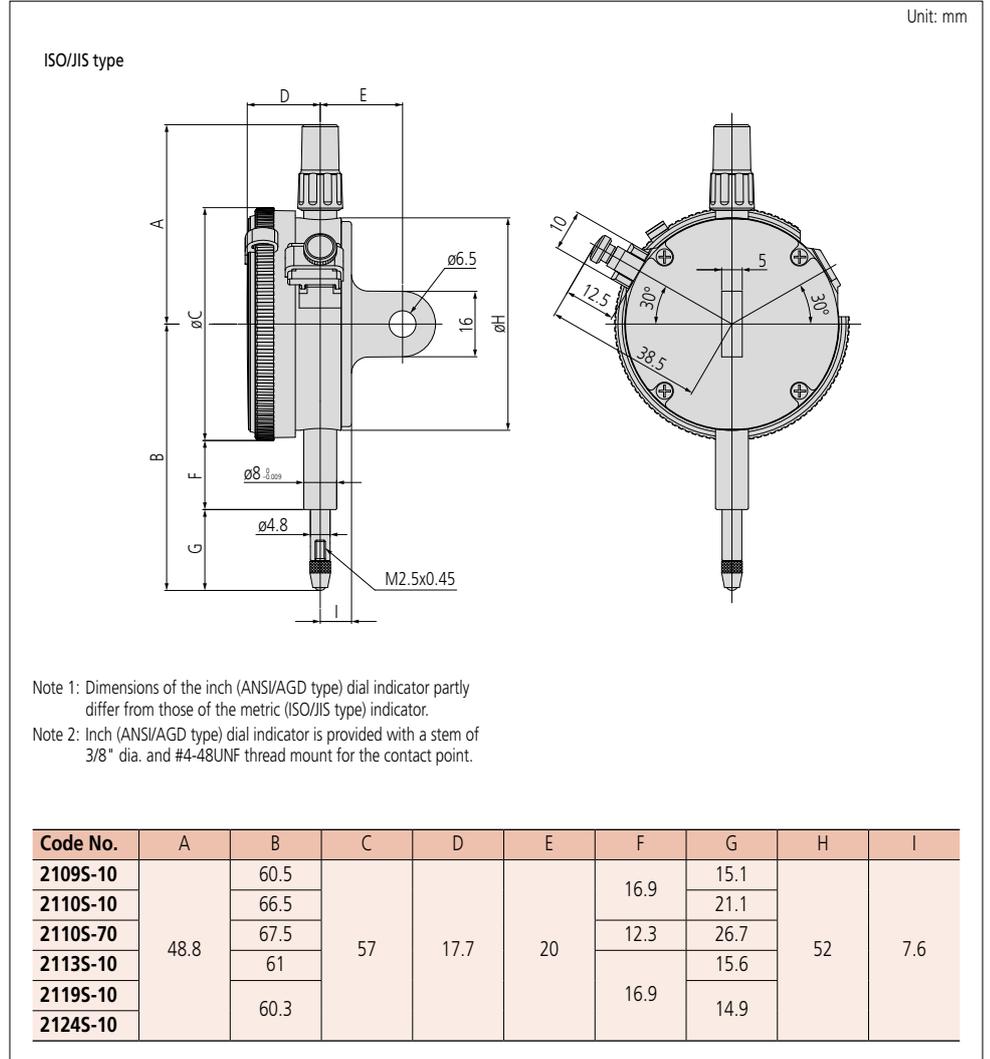
Contact points for Mitutoyo's dial indicators refer to pages F-37 to F-40 for details.

Interchangeable backs refer to page F-41 for details.

Plunger lifting aids refer to page F-42 for details.

Measuring stands refer to pages F-67 to F-72 for details.

Dimensions



F