

# Dial Indicators



## SERIES 2 — Special Dial Indicators

### Adjustable hand dial indicator

- The hand position can be adjusted independently of the vertical movement of the spindle by rotating the top knob.



2048A-10

### Optional Accessories

- Limit hand (2 pcs.), Bezel clamp  
Refer to page 07-27 for details.

### SPECIFICATIONS

Metric

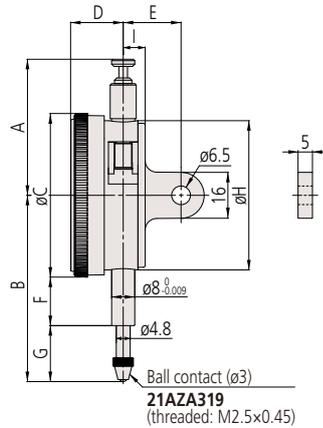
Code No.		Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (μm)						Dial reading	Measuring force (N)
w/lug	Flat-back			Indication error			Hysteresis	Repeat-ability			
				1/10 Rev	1/2 Rev	1 Rev			Measuring range		
2048A-10	2048AB-10	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less

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

### DIMENSIONS

ISO/JIS Type

Unit: mm



Code No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2048A-10	47.4	64.9	57	18.1	20	16.9	19.5	52	7.6	144	135

Note: The shoulder on a contact point (standard accessory) acts as a stop to prevent spindle overrun that may otherwise damage the indicator. When replacing it with an optional contact point with a connector not exceeding ø7 mm in outside diameter, insert a washer (with ø7 mm outside diameter, ø3 mm inside diameter, and approximately 0.5 mm thickness) above the contact point.

### Continuous scale



Graduation: 0.01 mm,  
Measuring range: 10 mm

2048A-10

With coaxial revolution counter

Adjustable hand

Jeweled bearing

### FEATURES

Metric

Code No.		With coaxial revolution counter	Adjustable hand	Jeweled bearing	Limit hand
w/lug	Flat-back				
2048A-10	2048AB-10	✓	✓	✓	✓