

SERIES 2 — Long Stroke Type

- Long stroke dial indicators with a $\varnothing 57$ mm bezel.
- Watertight assembly of bezel and crystal as well as the use of an O-ring prevents water or oil penetration.
- The stem and the spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide contact point is employed.
- The grand gear is made of stainless steel with high resistance to wear and deformation.

- Application of an anti-reflective and hard surface coating improves scale visibility along with scratch and chemical resistance.
- The bezel clamp and lifting lever* (optional) can be attached to either the right or left side. These parts can be easily installed and removed without any tools.

* These cannot be used on water-proof models and models with a measuring range of 30 mm.



2050A



Continuous scale



Graduation: 0.01 mm,
Measuring range: 20 mm

2050A

- With damper at lowest rest point

2050A-19

- Shockproof
- Jeweled bearing
- With damper at lowest rest point

2050A-60

- Waterproof



Continuous scale



Graduation: 0.01 mm,
Measuring range: 30 mm

2052A

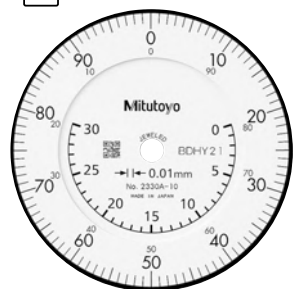
- With damper at lowest rest point

2052A-19

- Shockproof
- Jeweled bearing
- With damper at lowest rest point



Continuous scale



Graduation: 0.01 mm,
Measuring range: 30 mm

2330A-10

- With coaxial revolution counter
- With damper at lowest rest point
- Jeweled bearing



Continuous scale



Graduation: 0.01 mm,
Measuring range: 20 mm

2320A-10

- With coaxial revolution counter
- With damper at lowest rest point
- Jeweled bearing



Reverse reading



Graduation: 0.01 mm,
Measuring range: 30 mm

2952A

- With damper at lowest rest point



2050A-60

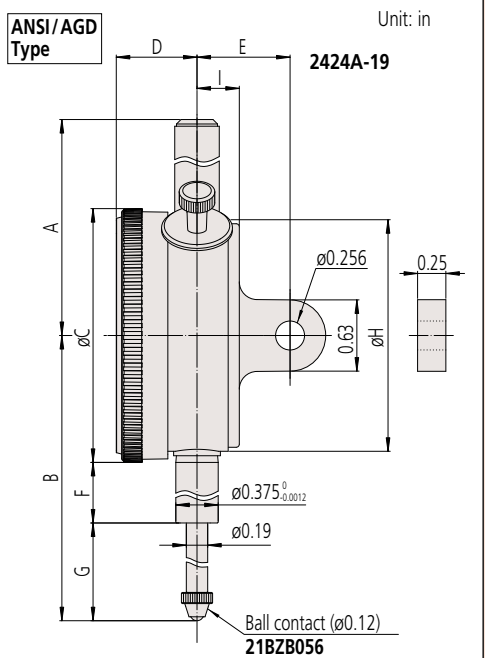
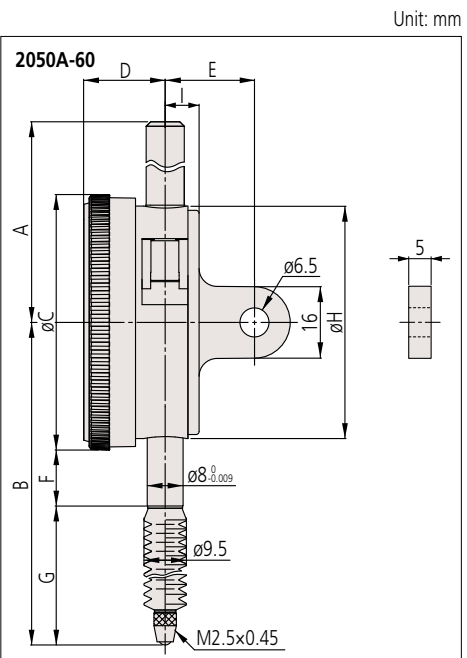
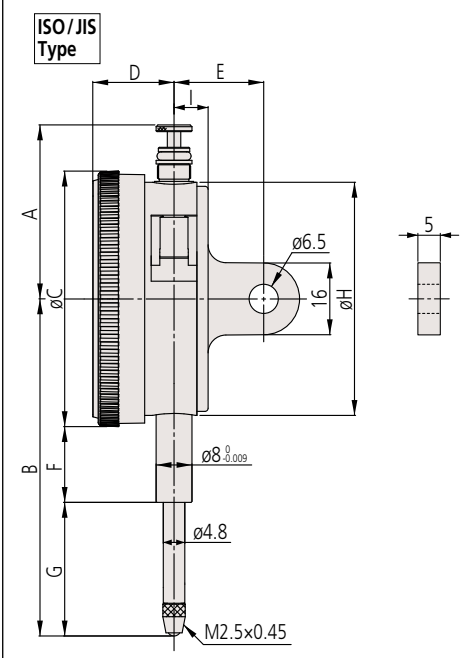
Dial Indicators

FEATURES

Metric											
Order No.		ISO 0.01	ISO 0.02	ISO 0.05	ISO 0.1	ISO 0.2	ISO 0.5	ISO 1	ISO 2	ISO 5	ISO 10
w/lug	Flat-back										
2050A	2050AB	✓									
2050A-60	2050AB-60	✓									
2050A-19	2050AB-19	✓									
2320A-10	2320AB-10	✓									
2052A	2052AB	✓									
2052A-19	2052AB-19	✓									
2330A-10	2330AB-10	✓									
2952A	2952AB										

Inch											
Order No.		ANSI 0.0005	ANSI 0.001	ANSI 0.002	ANSI 0.005	ANSI 0.01	ANSI 0.02	ANSI 0.05	ANSI 0.1	ANSI 0.2	ANSI 0.5
w/lug	Flat-back										
2416A	2416AB	✓									
2416A-06	2416AB-06	✓									
2416A-10	2416AB-10	✓									
2417A	2417AB										
2424A-19	2424AB-19	✓									
2776A	2776AB	✓									
2904A	2904AB										

DIMENSIONS



Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2050A	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	149	140
2050A-60	58.2	87.2	57	18.1	20	12.3	31.1	52	7.6	155	146
2050A-19	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	149	140
2320A-10	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	150	141
2052A	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143
2052A-19	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143
2330A-10	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	153	144
2952A	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143

Note: Refer to pages F-57 to F-60 for details of contact points.

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2050A	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	149	140
2050A-60	58.2	87.2	57	18.1	20	12.3	31.1	52	7.6	155	146
2050A-19	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	149	140
2320A-10	38.8	75.2	57	18.1	20	16.9	29.8	52	7.6	150	141
2052A	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143
2052A-19	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143
2330A-10	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	153	144
2952A	38.8	88.7	57	18.1	20	16.9	43.3	52	7.6	152	143

Order No.	A	B	C	D	E	F	G	H	I	Mass (g)	
										w/lug	Flat-back
2416A	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139
2416A-06	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139
2416A-10	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139
2417A	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139
2424A-19	4.65	5.61	2.24	0.71	5/6	2.14	2.35	2.05	0.37	248	239
2776A	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139
2904A	1.53	3.02	2.24	0.71	3/4	0.54	1.37	2.05	0.30	164	139

Note: Refer to pages F-57 to F-60 for details of contact points.

Optional Accessories

- Limit hand (2 pcs.): **21AZB195**
- Bezel clamp: **21AZB148** (for metric type)
21RZA065 (for inch type)
21RZA067 (for **2424A(B)-19**)

ISO/JIS type

ANSI/AGD type