

## **SERIES 1 — Compact Type, Extra Small Diameter**

- These compact, space-saving dial indicators make it easy to incorporate into gaging iigs.
- The indicator is highly durable thanks to its oil- and water-tight design, quenched hardened stainless-steel, carbide contact point, and a grand gear made of wear- and deformation-resistant material.
- Application of an anti-reflective and hard surface coating improves scale visibility along with scratch and chemical resistance.



#### **SPECIFICATIONS**

51 2 611 167 111 101 15											
Metric	ANS	I/AGD type									
Code No.			D	N	Maximum	permissil	ole error (	MPE) (µm	)		
		Graduation	(range/rev)		Indication				Repeat-	Dial	Measuring force (N)
w/lug	Flat-back	ck (mm)		1/10 Rev	1/2 Rev	1 Rev	Measuring range	Hysteresis	ability	reading	
1911A-10	1911AB-10	0.01	2.5 (1)	8	9	10	12	4	3	0-50-0	1.8 or less
1913A-10	1913AB-10	0.002	0.5 (0.2)	2.5	4	5	6	2.5	1	0-100-0	1.8 or less
1003A	1003AB	0.01	4 (1)	8	10	11	13	4	3	0-50-0	1.4 or less

	Inch		ı						
Code		e No.	Graduation	Range	Accuracy (in)	Repeat-	Dial	Measuring	
	w/lug	Flat-back	(in)	(range/rev) (in)	First 1 Rev/2.5 Rev/10 Rev	Retrace	ability (in)	reading	force (N)
•	1921A-10	1921AB-10	0.001	0.1 (0.04)	±0.001/±0.001/—	0.0002	±0.0002	0-20-0	1.8 or less
	1923A-10	1923AB-10	0.0005	0.05 (0.02)	±0.0005/±0.005/—	0.00016	±0.0001	0-10-0	1.8 or less
	1925A-10	1925AB-10	0.0001	0.025 (0.01)	±0.0002/±0.0002/—	0.0001	±0.00003	0-5-0	1.8 or less

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

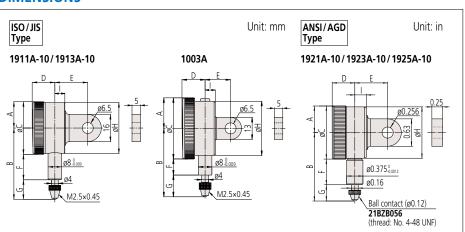


# Dial Indicato



### SERIES 1 — Compact Type, Extra Small Diameter

#### **DIMENSIONS**



Metric											Unit: mm
Code No.	Α	В	_	D	С	С	G	u	1	Mass w/lug 55 55	s (g)
Code No.	A	В	J	U	L	'	G	- ''	_	w/lug	Flat-back
1911A-10	15.5	42	31	12.7	19.4	15.1	11.5	30	6	55	51
1913A-10	15.5	39.5	31	12.7	19.4	15.1	8.9	30	6	55	51
1003A	18	40.3	36	13.5	15	9.5	12.8	32	6	51	48

Inch Unit: in											
Code No.	Α	В	_	D	С	С	6	Н	1	Mas	s (g)
Code No.	A	D					G	П	'	w/lug	Flat-back
1921A-10	0.61	1.58	1.22	0.5	3/4	0.59	0.37	1.18	0.27	55	51
1923A-10	0.61	1.51	1.22	0.5	3/4	0.59	0.31	1.18	0.27	55	51
1925A-10	0.61	1.48	1.22	0.5	3/4	0.59	0.28	1.18	0.27	55	51

Note 1: Limit hands, bezel clamps and lifting levers cannot be installed.

Note 2: 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.

Note 3: Being fixed by only two retaining screws, the back cannot be rotated by 90° to change the orientation of the lug.



#### Balanced scale



Graduation: 0.01 mm,	1911A-10
Measuring range: 2.5 mm	1911A-10

#### 10 0 10

#### **Balanced scale**



Graduation: 0.002 mm,	1913A-10
Measuring range: 0.5 mm	1913A-10

# Balanced scale



Graduation: 0.01 mm, Measuring range: 4 mm

