



Optional Accessories

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

SERIES 2 — Special Dial Indicators

 A mechanism holds the pointer and the spindle at the position of maximum depression and hence displays the maximum value.

Note: Clearance of peak hold: Push the nut in the direction of the arrow indicated in the dimensional drawing for **2046A-80**.

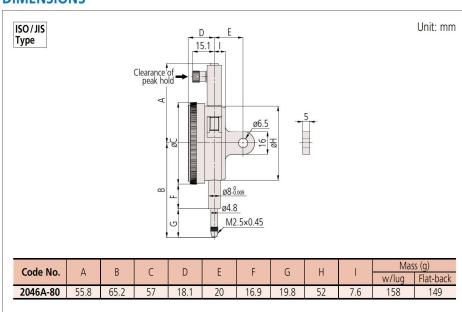


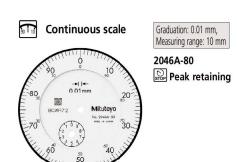
SPECIFICATIONS

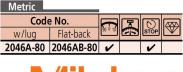
Metric ISO/JIS type												
Code No.			D	N	Maximum	permissil	ble error (MPE) (µm)			
			Graduation	Range (range/rev)	Indication error					Repeat-	Dial	Measuring
	w/lug	Flat-back	(mm)	, , , ,	1/10 Rev	1/2 Rev	1 Rev	Measuring range	Hysteresis	ability	reading	force (N)
	2046A-80	2046AB-80	0.01	10 (1)	5	9	10	15	_	-	±0-100	5.0 or less

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

DIMENSIONS







FEATURES



Back Plunger Type Dial Indicators

- The one revolution dial indicator (back plunger type) prevents the possibility of reading errors.
- Back plunger type dial indicators are suitable for mounting onto levelling machine tool tables or inspection jigs, and for use in situations where standard dial indicators are difficult to read.
- Mitutoyo's unique shockproof mechanism provides excellent durability and shock resistance.
- Model **2990A-10** provides 0.001 mm graduation.



SPECIFICATIONS

Ì	Metric ISO/JIS typ							e ANSI/AGD type			
	Code No.	Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (µm)							
				Indication error				Repeat-	Dial	Measuring	
				1/10 Rev	1/2 Rev	1 Rev	Measuring range	Hysteresis	ability	reading	force (N)
Ī	2960A	0.01	1 (1.27)	8	-	_	14	4	3	50-0-50	1.4 or less
	2990A-10	0.001	0.1 (0.14)	2.5	_	_	5	2	1	50-0-50	1.5 or less

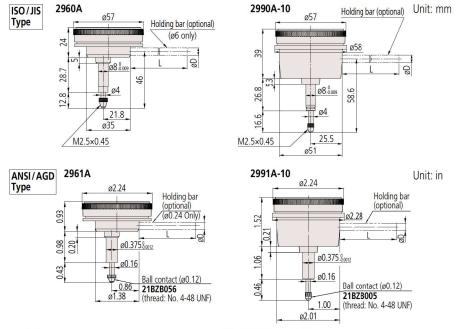
Inch							
an 200 (1)	Graduation	Range (range/rev) (in)	Accuracy (in)		Dial	Measuring	
Code No.	(in)		First 1 Rev/2.5 Rev/10 Rev	Retrace	Repeatbility (in)	reading	force (N)
2961A	0.0005	0.04 (0.05)	±0.0005/—/—	0.00016	±0.0001	20-0-20	1.4 or less
2991A-10	0.0001	0.008 (0.01)	±0.0002/—/—	0.0001	±0.00005	4-0-4	1.5 or less

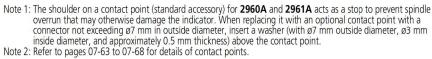
Note 1: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.

Note 2: The bezel clamp cannot be used.

DIMENSIONS

Dial Indicators







Holding bar (optional)

Code No.	øD (mm)	L (mm)
21AAA166	ø6	42
136567	ø6	81
124625	ø6.35	81
21AAA167	ø6.35	42
21AAA168	ø8	42
136568	ø8	81

Note: ØD and L: detail shown in drawing below.

Optional Accessory

• Limit hand (2 pcs.) Refer to page 07-41 for details.

