Dial Indicators

SERIES 2 – Long Stroke Dial Indicators

- Long stroke dial indicators with a ø57 mm outer frame. All models are equipped with limit markers and a bezel clamp as standard.
- An O-ring is employed to ensure air-tightness between the outer frame and the crystal case to prevent water or oil penetration.
- Both the stem and the plunger are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide-tipped contact point is employed.
- The grand gear is made of stainless steel with high resistance to wear and deformation.
- Application of a hard coating on the surface of the crystal makes it highly resistant to scratching and chemical attack.
- 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 tools.



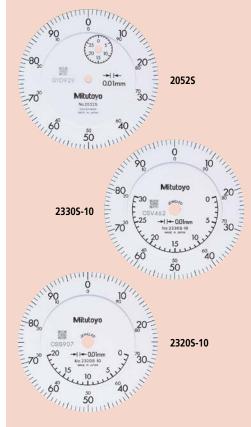
Specifications

Metric

Code No.	Graduation	Range (range/rev)	Accuracy Overall Retrace 1/10 rev 1 rev			Repeat- ability	Scale	Measuring force	
2050S 2320S-10	0.01 mm	20 mm (1 mm)	20 µm	5 μm	8 µm	15 µm	4 μm		2.0 N or less
2052S 2330S-10		30 mm (1 mm)	25 µm	7 µm	10 µm	15 µm	5 µm	±0-100	2.5 N or less

Inch

Code No.	Graduation	Range	Accuracy	Repeat-	Scale	Measuring		
code No.		(range/rev)	First rev / 2.5 rev / 10 rev	Retrace	ability	Scale	force	
24165						±0-100		
2416S-10		1" (.1")	±.001" / ±.001" / ±.002"	.0002"	±.0002"	±0-100	1.8 N or less	
24175						0-50-0		
24245-19		2" (.1")	±.001" / ±.001" / ±.002" / ±.003" (first 20 rev)	.00033"		±0-100	2.5 N or less	
27765	.0005"	1" (.05")	±.0005" / ±.0005" / ±.0015"	.0002"	±.0001"	±0-50		
29045	.001"	1" (.1")	±.001" / ±.001" / ±.002"	.0002	±.0002"	100-0	1.8 N or less	





Features

Metric

Code No.	90 0 10	10 0 10	3	5	*		Ð
2050S	1	_	_	1	_	_	_
20525	1	_	_	1	_	_	_
2320S-10	1	_	_	1	1	1	_
2330S-10	1	_	_	1	1	1	_

Inch

Code No.	90 0 10	10 0 10	3		**		Ð
24165	1	_	_	_	_	_	_
2416S-10	1	_	_	_	1	_	_
24175	_	1	_	_	_	_	_
2424S-19	1	_	1	_	1	1	_
27765	1	_					_
29045	1	_	_		_	_	1

Optional Accessories

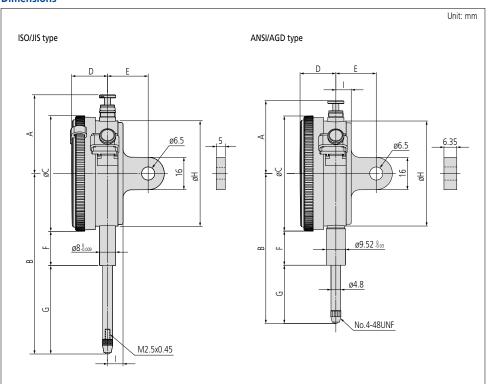
Contact points for Mitutoyo's dial indicators refer to pages F-37 to F-40 for details.

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



Α	В	С	D	E	F	G	Н	I		
ISO/JIS type										
	75.2					29.8				
38.8	88.7	E 7	177	20	16.9	43.3	52	7.6		
30.0	75.2	57	17.7			29.8				
	88.7					43.3				
ANSI/AGD type										
38.9	76.8			19	13.6	34.7		7.6		
		57	17.7				- 52			
118	142.5	5/		20.9	54.3	59.7		9.5		
20.0	20 U	200	76.0			10	12.6	24.7		7.6
30.9	70.0			19	13.0	34.7		7.0		
•	38.8 e 38.9	38.8 75.2 88.7 75.2 88.7 e 38.9 76.8 118 142.5	75.2 88.7 75.2 88.7 6 38.9 76.8 118 142.5 57	38.8 75.2 88.7 57 17.7 e 38.9 76.8 57 17.7	75.2 88.7 75.2 88.7 75.2 88.7 6 88.7 17.7 20 118 142.5 57 17.7 20 20 20 20 20 20 20 20 20 20	38.8	38.8	75.2 88.7 75.2 88.7 75.2 88.7 57 17.7 20 16.9 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 29.8 43.3 52 11.7 20.8 11.7 20.9 20.8		

