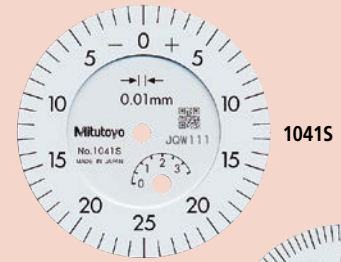


Dial Indicators

SERIES 1 – Compact Dial Indicators

- Compact dial indicators with outer bezel diameters of 31 and 40 mm for restricted-space applications in gauging fixtures.



1045S



1124S



1013S-10



Specifications

Metric									
Code No.	Graduation	Range (range/rev)	Accuracy				Repeat-ability	Scale	Measuring force
			Overall	Retrace	1/10 rev	1 rev			
1013S-10	0.002 mm	1 mm (0.2 mm)	6 µm	2.5 µm	2.5 µm	5 µm	1 µm	0-100-0	1.5 N or less
1040S	0.01 mm	3.5 mm (0.5 mm) 5 mm (1 mm)	13 µm	4 µm	8 µm	11 µm	3 µm	±0-50	1.4 N or less
1041S	0.01 mm							0-25-0	
1044S	0.01 mm							±0-100	
1044S-15	0.01 mm							±0-100	
1044S-60	0.01 mm							±0-100	
1045S	0.01 mm							0-50-0	
1124S	0.005 mm	3.5 mm (0.5 mm)	12 µm	3.5 µm	6 µm	10 µm	±0-50	1.4 N or less	

*1 Use in a vertical orientation only (contact point downward).

Inch									
Code No.	Graduation	Range (range/rev)	Accuracy		Repeat-ability	Scale	Measuring force		
			First rev / 2.5 rev / 10 rev	Retrace					
1923TB-10 ^{*2}	.0005"	.05" (.02")	±.0005" / ±.005" / —	.0016"	±.0001"	0-10-0	1.8 N or less		
1925T-10	.0001"	.025" (.01")	±.0002" / ±.0002" / —	.0001"	±.00003"	0-5-0			
1410S	.001"	.25" (.1")	±.001" / ±.001" / —	.0002"	±.0002"	0-100	1.4 N or less		
1411S						0-50-0			
1780S						0-50			
1781S						0-25-0			
1506S	.0005"	.125" (.05")	±.0005" / ±.0005" / —	.00016"	±.0001"	0-50	1.4 N or less		
1507S						0-25-0			
1670S						0-40			
1671S						0-20-0			
1802S-10	.0001"	.025" (.01")	±.0001" / ±.0001" / —	.0001"	±.00003"	0-10	1.5 N or less		
1803S-10						0-5-0			

*2 Flat-back type.

Features

Metric						
Code No.						
1013S-10	—	✓	—	✓	—	—
1040S	✓	—	✓	—	—	—
1041S	—	✓	✓	—	—	—
1044S	✓	—	—	—	—	—
1044S-15	✓	—	—	✓	—	—
1044S-60	✓	—	—	—	✓	—
1045S	—	✓	—	—	—	—
1124S	✓	—	—	—	—	—

Inch						
Code No.						
1410S	✓	—	—	—	—	—
1411S	—	✓	—	—	—	—
1506S	✓	—	—	—	—	—
1507S	—	✓	—	—	—	—
1670S	✓	—	—	—	—	—
1671S	—	✓	—	—	—	—
1780S	✓	—	—	—	—	—
1781S	—	✓	—	—	—	—
1802S-10	✓	—	—	✓	—	✓
1803S-10	—	✓	—	✓	—	✓
1923TB-10	—	✓	—	—	—	—
1925T-10	—	✓	—	✓	—	—

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

Unit: mm

ISO/JIS type

Note 1: Dimensions of the inch (ANSI/AGD type) dial indicator partly differ from those of the metric (ISO/JIS type) indicator.

Note 2: Inch (ANSI/AGD type) dial indicator is provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.

ANSI/AGD type

Code No.	A	B	C	D	E	F	G	H	I
ISO/JIS type									
1013S-10	32.5	49	40	14.5	20	13.8	15.2	38	6.6
1040S	32.5	46	40	14.5	20	13.8	12.2	38	6.6
1041S	32.5	46	40	14.5	20	13.8	12.2	38	6.6
1044S	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1044S-15*	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1044S-60	32.5	57	40	14.5	20	12.2	24.8	38	6.6
1045S	32.5	47.5	40	14.5	20	13.8	13.7	38	6.6
1124S	32.5	46	40	14.5	20	13.8	12.2	38	6.6
ANSI/AGD type									
1923TB-10	15.5	38.3	31	12.5	19	15	7.8	30	7
1925T-10	15.5	37.5	31	12.5	19	15	7	30	7
1410S	32.5	47.6	40	14.5	19	12.8	14.8	38	6.6
1411S	32.5	47.6	40	14.5	19	12.8	14.8	38	6.6
1780S	32.5	44.1	40	14.5	19	12.8	11.3	38	6.6
1781S	32.5	44.1	40	14.5	19	12.8	11.3	38	6.6
1506S	32.5	44.1	40	14.5	19	12.8	11.3	38	6.6
1507S	32.5	44.1	40	14.5	19	12.8	11.3	38	6.6
1670S	32.5	43.4	40	14.5	19	12.8	10.6	38	6.6
1671S	32.5	43.4	40	14.5	19	12.8	10.6	38	6.6
1802S-10	32.5	41.3	40	14.5	19	12.5	8.5	38	6.6
1803S-10	32.5	41.3	40	14.5	19	12.5	8.5	38	6.6

F