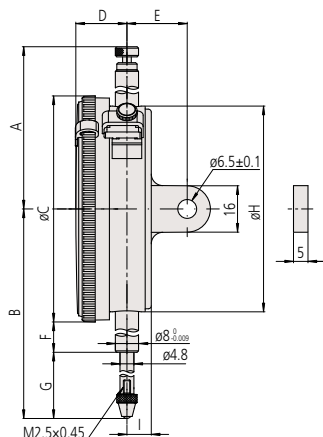


DIMENSIONS

ISO/JIS Type



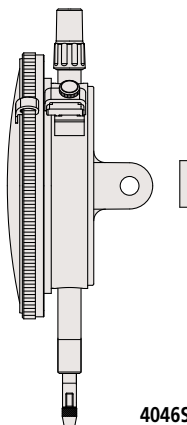
Unit: mm

Order No.	A	B	C	D	E	F	G	H	I
3046S	61.2	75.5	78	17.7	21	15.9	20.6	71	9
3047S	61.2	75.5	78	17.7	21	15.9	20.6	71	9
3050S	52.6	94	78	17.7	21	25.9	29.1	71	9
3052S-19*	72.9	104.3	78	17.7	21	25.9	39.4	71	9
3058S-19*	81.9	142.3	78	17.7	21	43.9	59.4	71	9
3060S-19*	120.9	202.3	78	17.7	21	73.9	89.4	71	9
3062S-19*	141.9	243.3	78	17.7	21	94.9	109.4	71	9
3109S-10	61.2	79	78	17.7	21	25.9	14.1	71	9
4046S	61.2	84	92	21.5	21	18.9	19.1	71	9

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

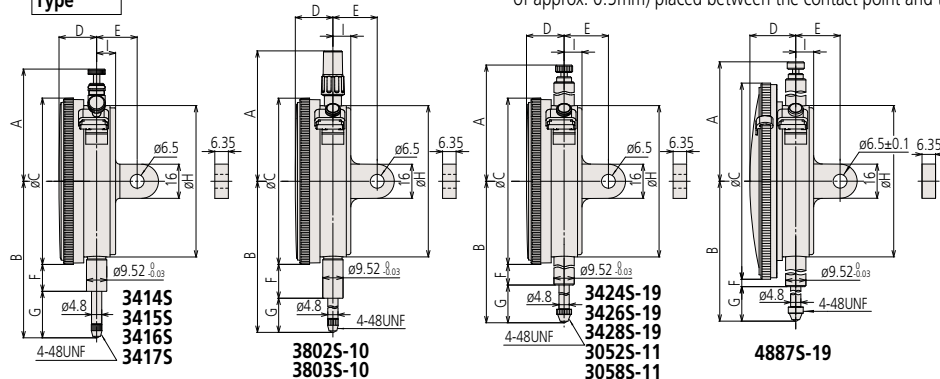
Note 2: Inch (ANSI/AGD Type) dial indicators are provided with a stem of 3/8 inch dia. and #4-48UNF thread mount for the contact point.

* The shoulder on a contact point (standard accessory) acts as a stop to prevent spindle overrun that may otherwise damage the indicator. For this reason, if you need to install an optional contact point with an outside diameter smaller than 7 mm, use a washer (with outside diameter of at least 7 mm, inside diameter of 3 mm, and thickness of approx. 0.5mm) placed between the contact point and the spindle.



4046S

ANSI/AGD Type



Unit: mm

Order No.	A	B	C	D	E	F	G	H	I
3414S	52.6	73.4	78	17.7	19	12.6	21.8	71	9
3415S	52.6	73.4	78	17.7	19	12.6	21.8	71	9
3416S	52.6	86.1	78	17.7	19	12.6	34.5	71	9
3417S	52.6	86.1	78	17.7	19	12.6	34.5	71	9
3424S-19*	84	149.3	78	17.7	19	50.6	59.7	71	9
3426S-19*	123	198.1	78	17.7	19	73.9	85.2	71	9
3428S-19*	144	244.5	78	17.7	19	94.9	110.6	71	9
3803S-10	61.2	59.7	78	17.7	19	12.6	8.1	71	9
3802S-10	61.2	59.7	78	17.7	19	12.6	8.1	71	9
3052S-11*	72.9	102.4	78	17.7	19	25.9	37.5	71	9
3058S-11*	81.9	147.1	78	17.7	19	50.6	57.5	71	9
4887S-19*	123	198.1	92	21.5	19	66.9	85.2	71	9

FEATURES

Metric

Order No.	w/ lug	Flat-back	ISO/JIS	ANSI/AGD	Flat-back	ISO/JIS	ANSI/AGD
3046S	3046SB	—	—	—	—	—	—
3047S	3047SB	—	—	—	—	—	—
3050S	3050SB	—	—	—	—	—	—
3052S-19	3052SB-19	—	—	—	—	—	—
3058S-19	3058SB-19	—	—	—	—	—	—
3060S-19*	3060SB-19*	—	—	—	—	—	—
3062S-19*	3062SB-19*	—	—	—	—	—	—
3109S-10	3109SB-10	—	—	—	—	—	—
4046S	4046SB	—	—	—	—	—	—

Inch

Order No.	w/ lug	Flat-back	ISO/JIS	ANSI/AGD	Flat-back	ISO/JIS	ANSI/AGD
3414S	3414SB	—	—	—	—	—	—
3415S	3415SB	—	—	—	—	—	—
3416S	3416SB	—	—	—	—	—	—
3417S	3417SB	—	—	—	—	—	—
3424S-19	3424SB-19	—	—	—	—	—	—
3426S-19	3426SB-19	—	—	—	—	—	—
3428S-19	3428SB-19	—	—	—	—	—	—
3802S-10	3802SB-10	—	—	—	—	—	—
3803S-10	3803SB-10	—	—	—	—	—	—
4887S-19	4887SB-19	—	—	—	—	—	—

SPECIFICATIONS

Metric

Order No.		Graduation	Range (range/rev)	Accuracy*				Repeat- ability	Dial reading	Measuring force
w/ lug	Flat-back			Overall	Retrace	1/10 Rev	1 Rev			
3046S	3046SB	0.01 mm	10 mm (1 mm)	15 µm	3 µm	5 µm	10 µm	3 µm	±0-100	1.4 N or less
3047S	3047SB	0.01 mm	10 mm (1 mm)	15 µm	3 µm	5 µm	10 µm	3 µm	0-50-0	1.4 N or less
3050S	3050SB	0.01 mm	20 mm (1 mm)	20 µm	5 µm	8 µm	15 µm	4 µm	±0-100	2.0 N or less
3052S-19	3052SB-19	0.01 mm	30 mm (1 mm)	25 µm	7 µm	10 µm	15 µm	5 µm	±0-100	2.5 N or less
3058S-19	3058SB-19	0.01 mm	50 mm (1 mm)	30 µm	8 µm	10 µm	15 µm	5 µm	±0-100	3.0 N or less
3060S-19*	3060SB-19*	0.01 mm	80 mm (1 mm)	45 µm	9 µm	12 µm	20 µm	5 µm	±0-100	3.0 N or less
3062S-19*	3062SB-19*	0.01 mm	100 mm (1 mm)	50 µm	9 µm	12 µm	20 µm	5 µm	±0-100	3.2 N or less
3109S-10	3109SB-10	0.001 mm	1 mm (0.2 mm)	5 µm	2 µm	2 µm	4 µm	0.5 µm	0-100-0	1.5 N or less
4046S	4046SB	0.01 mm	10 mm (1 mm)	15 µm	3 µm	5 µm	10 µm	3 µm	±0-100	1.4 N or less

*1 Use in a vertical position (contact point downward) for the long stroke model.

*2 Completed products inspection is performed in the vertical position (contact point downward) and the stated accuracy is guaranteed.

Inch

Order No.	w/ lug	Flat-back	Graduation	Range (range/rev)	Accuracy*	Repeatability	Dial reading	Measuring force
3414S	3414SB	0.001 in	0.5 in (0.1 in)	±0.001 in / ±0.001 in / ±0.001 in	0.0002 in	±0.0002 in	±0-100	1.8 N or less
3415S	3415SB	0.001 in	0.5 in (0.1 in)	±0.001 in / ±0.001 in / ±0.001 in	0.0002 in	±0.0002 in	0-50-0	1.8 N or less
3416S	3416SB	0.001 in	1 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in	0.0002 in	±0.0002 in	±0-100	1.8 N or less
3417S	3417SB	0.001 in	1 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in	0.0002 in	±0.0002 in	0-50-0	1.8 N or less
3424S-19	3424SB-19	0.001 in	2 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in / ±0.003 in (20Rev)	0.00033 in	±0.0002 in	±0-100	3.0 N or less
3426S-19*	3426SB-19*	0.001 in	3 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in / ±0.003 in (20Rev) / ±0.005 in (Over 20Rev)	0.00033 in	±0.0002 in	±0-100	3.0 N or less
3428S-19*	3428SB-19*	0.001 in	4 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in / ±0.003 in (20Rev) / ±0.005 in (Over 20Rev)	0.00033 in	±0.0002 in	±0-100	3.2 N or less
3802S-10	3802SB-10	0.0001 in	0.025 in (0.01 in)	±0.0001 in / ±0.0001 in / —	0.0001 in	±0.00003 in	0-10	2.0 N or less
3803S-10	3803SB-10	0.0001 in	0.025 in (0.01 in)	±0.0001 in / ±0.0001 in / —	0.0001 in	±0.00003 in	0-5-0	2.0 N or less
4887S-19*	4887SB-19*	0.001 in	3 in (0.1 in)	±0.001 in / ±0.001 in / ±0.002 in / ±0.003 in (20Rev) / ±0.005 in (Over 20Rev)	0.00033 in	±0.0002 in	±0-100	3.0 N or less

*1 Use in a vertical position (contact point downward) for the long stroke model.

*2 Completed products inspection is performed in the vertical position (contact point downward) and the stated accuracy is guaranteed.