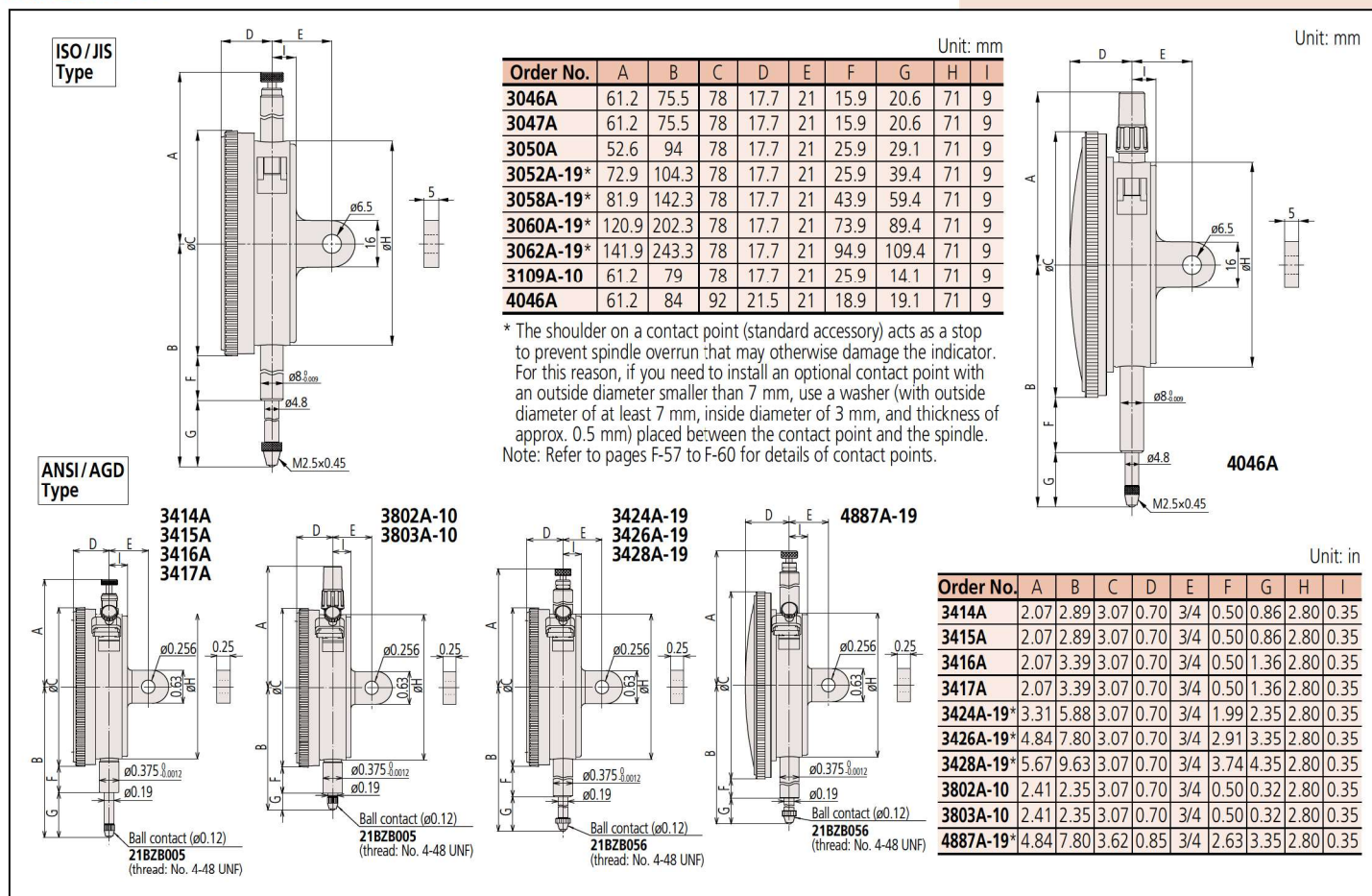


Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

DIMENSIONS



FEATURES

Metric								
Order No.	w/lug	Flat-back	ISO/JIS	ANSI/AGD	Flat-back	ISO/JIS	ANSI/AGD	Flat-back
3046A	3046AB	✓						
3047A	3047AB		✓					
3050A	3050AB	✓			✓			
3052A-19	3052AB-19	✓			✓		✓	✓
3058A-19	3058AB-19	✓			✓		✓	✓
3060A-19	3060AB-19	✓			✓		✓	✓
3062A-19	3062AB-19	✓			✓		✓	✓
3109A-10	3109AB-10		✓	✓			✓	
4046A	4046AB	✓						

Inch								
Order No.	w/lug	Flat-back	ISO/JIS	ANSI/AGD	Flat-back	ISO/JIS	ANSI/AGD	Flat-back
3414A	3414AB	✓						
3415A	3415AB		✓					
3416A	3416AB	✓						
3417A	3417AB		✓					
3424A-19	3424AB-19	✓			✓		✓	✓
3426A-19	3426AB-19	✓			✓		✓	✓
3428A-19	3428AB-19	✓			✓		✓	✓
3802A-10	3802AB-10	✓			✓		✓	
3803A-10	3803AB-10		✓	✓			✓	
4887A-19	4887AB-19	✓			✓		✓	✓

SPECIFICATIONS

Metric												ISO/JIS type	
Order No.		Graduation (mm)	Range (range/rev) (mm)	Maximum permissible error (MPE) (μm)						Dial reading	Measuring force (N)		
w/lug	Flat-back			Indication error				Hysteresis	Repeat- ability				
				1/10 Rev	1/2 Rev	1 Rev	Measuring range						
3046A	3046AB	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less		
3047A	3047AB	0.01	10 (1)	5	9	10	15	3	3	0-50-0	1.4 or less		
3050A	3050AB	0.01	20 (1)	8	10	15	20	5	4	±0-100	2.0 or less		
3052A-19	3052AB-19	0.01	30 (1)	10	12	15	25	7	5	±0-100	2.5 or less		
3058A-19	3058AB-19	0.01	50 (1)	10	12	15	30	8	5	±0-100	3.0 or less		
3060A-19* ¹	3060AB-19* ¹	0.01	80 (1)	12	17	20	45	9	5	±0-100	3.0 or less		
3062A-19* ¹	3062AB-19* ¹	0.01	100 (1)	12	17	20	50	9	5	±0-100	3.2 or less		
3109A-10	3109AB-10	0.001	1 (0.2)	2	3.5	4	5	2	0.5	0-100-0	1.5 or less		
4046A	4046AB	0.01	10 (1)	5	9	10	15	3	3	±0-100	1.4 or less		

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

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

Inch												ANSI/AGD type	
Order No.		Graduation (in)	Range (range/rev) (in)	Accuracy*2 (in)		Repeat- ability (in)	Dial reading	Measuring force (N)					
w/lug	Flat-back			First 1 Rev/2.5 Rev/10 Rev	Retrace								
3414A	3414AB	0.001	0.5 (0.1)	±0.001/±0.001/±0.001		0.0002	±0.0002	±0-100	1.8 or less				
3415A	3415AB	0.001	0.5 (0.1)	±0.001/±0.001/±0.001		0.0002	±0.0002	0-50-0	1.8 or less				
3416A	3416AB	0.001	1 (0.1)	±0.001/±0.001/±0.002		0.0002	±0.0002	±0-100	1.8 or less				
3417A	3417AB	0.001	1 (0.1)	±0.001/±0.001/±0.002		0.0002	±0.0002	0-50-0	1.8 or less				
3424A-19	3424AB-19	0.001	2 (0.1)	±0.001/±0.001/±0.002 /±0.003 (20 Rev)		0.00033	±0.0002	±0-100	3.0 or less				
3426A-19* ¹	3426AB-19* ¹	0.001	3 (0.1)	±0.001/±0.001/±0.002/±0.003 (20 Rev)/±0.005 (Over 20 Rev)		0.00033	±0.0002	±0-100	3.0 or less				
3428A-19* ¹	3428AB-19* ¹	0.001	4 (0.1)	±0.001/±0.001/±0.002/±0.003 (20 Rev)/±0.005 (Over 20 Rev)		0.00033	±0.0002	±0-100	3.2 or less				
3802A-10	3802AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—		0.0001	±0.00003	0-10	2.0 or less				
3803A-10	3803AB-10	0.0001	0.025 (0.01)	±0.0001/±0.0001/—		0.0001	0±.00003	0-5-0	2.0 or less				
4887A-19* ¹	4887AB-19* ¹	0.001	3 (0.1)	±0.001/±0.001/±0.002/±0.003 (20 Rev)/±0.005 (Over 20 Rev)		0.00033	±0.0002	±0-100	3.0 or less				

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

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