

Dial Indicators

SERIES 1

SPECIFICATIONS

Inch						Stem dia. 3/8" #4-48 UNF Thread		ANSI/AGD type		
Graduation	Range	Range / Rev	Dial reading	Order No.		Accuracy		Measuring force		
				(W/Lug)	(Flat-back)	First 2.5 Rev	Overall Accuracy			
.0001"	.025"	.01"	0-10	1802S-10	1802SB-10	±.0001"	±.0001"	1.4N or less	✓	✓
.0001"	.025"	.01"	0-5-0	1803S-10	1803SB-10	±.0001"	±.0001"	1.4N or less	✓	✓
.0005"	.1"	.04"	0-40	1670S	1670SB	±.0005"	±.0005"	1.4N or less		
.0005"	.1"	.04"	0-20-0	1671S	1671SB	±.0005"	±.0005"	1.4N or less		
.0005"	.125"	.05"	0-50	1506S	1506SB	±.0005"	±.0005"	1.4N or less		
.0005"	.125"	.05"	0-25-0	1507S	1507SB	±.0005"	±.0005"	1.4N or less		
.001"	.125"	.05"	0-50	1780S	1780SB	±.001"	±.001"	1.4N or less		
.001"	.125"	.025"	0-25-0	1781S	1781SB	±.001"	±.001"	1.4N or less		
.001"	.25"	.1"	0-100	1410S	1410SB	±.001"	±.001"	1.4N or less		
.001"	.25"	.1"	0-100	1410S-10	1410SB-10	±.001"	±.001"	1.4N or less		✓
.001"	.25"	.1"	0-50-0	1411S	1411SB	±.001"	±.001"	1.4N or less		



Shockproof



Jeweled bearing



1803S-10



1411S

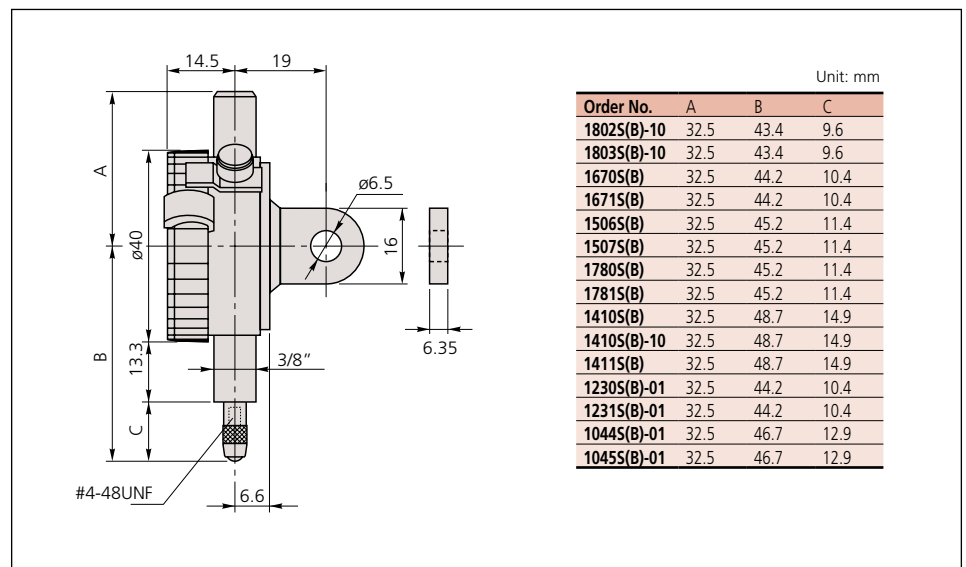


1506S

Metric

Metric - ANSI Standard Stem dia. 3/8" #4-48 UNF Thread yellow dial face										ANSI/AGD type	
Graduation	Range	Range / Rev	Dial reading	Order No.		Accuracy		Measuring force			
				(W/Lug)	(Flat-back)	First 2.5 Rev	Overall Accuracy				
0.002mm	0.5mm	0.2mm	0-20	1010S-11	1010SB-11	±0.002mm	±0.002mm	1.5N or less			
0.002mm	0.5mm	0.2mm	0-10-0	1011S-11	1011SB-11	±0.002mm	±0.002mm	1.5N or less			
0.01mm	2.5mm	1mm	0-100	1230S-01	1230SB-01	±0.01mm	-	1.4N or less			
0.01mm	2.5mm	1mm	0-50-0	1231S-01	1231SB-01	±0.01mm	-	1.4N or less			
0.01mm	5mm	1mm	0-100	1044S-01	1044SB-01	±0.01mm	±0.013mm	1.4N or less			
0.01mm	5mm	1mm	0-50-0	1045S-01	1045SB-01	±0.01mm	±0.013mm	1.4N or less			

DIMENSIONS



Dial Indicators

SERIES 1



1040S



1013S



1045S



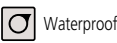
1109S-10

Metric

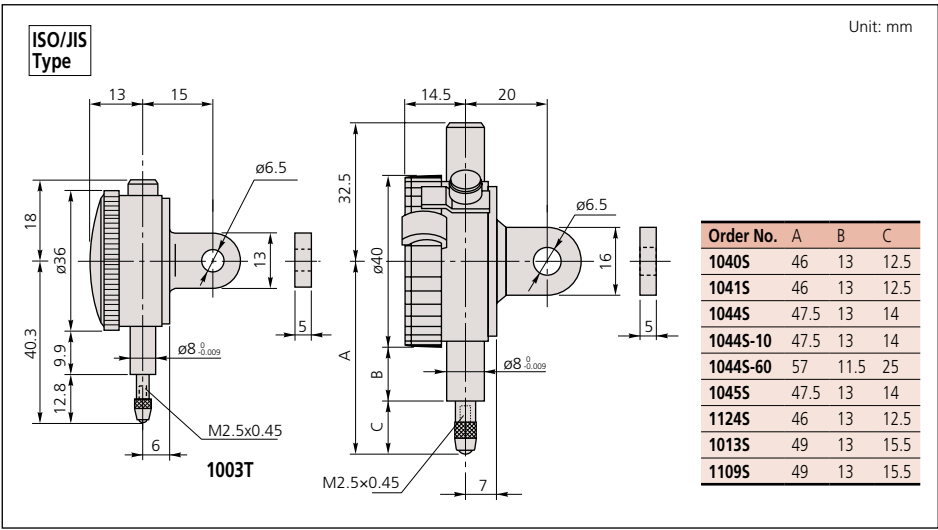
Stem $\varnothing$ 8mm M2.5 X 0.45 Thread

ISO/JIS type

Graduation	Range	Range / Rev	Dial reading	Order No.		Accuracy		Measuring force	Shockproof	Waterproof	Jeweled bearing
				(W/Lug)	(Flat-back)	First 2.5 Rev	Overall Accuracy				
0.001mm	1mm	0.2mm	0-100-0	1109S-10	1109SB-10	± 0.001 mm	± 0.007 mm	1.5N or less	✓		✓
0.002mm	1mm	0.2mm	0-100-0	1013S-10	1013SB-10	± 0.002 mm	± 0.01 mm	1.5N or less	✓		✓
0.005mm	3.5mm	0.5mm	0-50	1124S	1124SB	± 0.005 mm	± 0.013 mm	1.4N or less			✓
0.01mm	3.5mm	0.5mm	0-50	1040S	1040SB	± 0.01 mm	± 0.013 mm	1.5N or less			
0.01mm	3.5mm	0.5mm	0-25-0	1041S	1041SB	± 0.01 mm	± 0.013 mm	1.5N or less			
0.01mm	4mm	1mm	0-50-0	1003T	1003TB	± 0.01 mm	± 0.013 mm	0.3 - 1.4N			
0.01mm	5mm	1mm	0-100	1044S	1044SB	± 0.01 mm	± 0.013 mm	1.5N or less			
0.01mm	5mm	1mm	0-100	1044S-60	1044SB-60	± 0.01 mm	± 0.013 mm	2N or less		✓	
0.01mm	5mm	1mm	0-100	1044S-15	1044SB-15	± 0.01 mm	± 0.013 mm	1.4N or less	✓		
0.01mm	5mm	1mm	0-50-0	1045S	1045SB	± 0.01 mm	± 0.013 mm	1.4N or less			



DIMENSIONS



1044S

Optional Accessories

- Backs (See page F-33.)
- Contact points (See page F-34.)



Dial Indicators

SERIES 1 — Compact One Revolution Type for Error-free Reading



One revolution type



1929S
1929S-62



1900S-10
1900S-72



1929S

Unlike many other dial indicators, the one-revolution dial indicator shows the entire spindle travel or range as one sweep of the hand, eliminating the possibility of reading errors due to miscounting the multiple revolutions. With one-revolution dial indicators, within tolerance and out of tolerance can't be misinterpreted. Unique shock-proof mechanism provides improved immunity to shock due to sudden spindle retraction caused by high impact.



Shockproof type



Dustproof type



Waterproof type



Jeweled bearing type

SPECIFICATIONS

Inch		Stem dia. 3/8", #4-48 UNF Thread						ANSI/AGD type	
Graduation	Range (range/full stroke)	Dial reading	Order No.		Accuracy	Measuring force	Shockproof	Dustproof	Waterproof
.0001"	.006" / .0079"	3-0-3	1910S-72	1910SB-72	±.0001"	1.4N or less	✓	✓	—
.0005"	.04" / .055"	20-0-20	1909S-62	1909SB-62	±.0005"	1.4N or less	✓	✓	—

Metric		Stem ø 8mm, M2.5 x 0.45 Thread						ISO/JIS type	
Graduation	Range (range/full stroke)	Dial reading	Order No.		Accuracy	Measuring force	Shockproof	Dustproof	Waterproof
0.001mm	0.1mm / 0.14mm	50-0-50	1900S-10	1900SB-10	±0.005mm	1.5N or less	✓	—	✓
0.001mm	0.1mm / 0.14mm	50-0-50	1900S-72	1900SB-72	±0.006mm	1.5N or less	✓	✓	—
0.01mm	1mm / 1.4mm	50-0-50	1929S	1929SB	±0.011mm	1.4N or less	✓	—	—
0.01mm	1mm / 1.4mm	50-0-50	1929S-62	1929SB-62	±0.011mm	1.4N or less	✓	✓	—

Optional Accessories

- Backs (See page F-33.)
- Contact points (See page F-34.)

DIMENSIONS

