

Bore Gages

For easy and accurate measurement of inside diameters

Bore Gages SERIES 511 — with Micrometer Head

- Micrometer head is attached to the anvil for accurate dimensional setting.
- Longer plunger stroke with no effect on accuracy.
- Carbide is used for the contact point ensuring high durability and wear resistance.
- This model reduces the influence of heat from the operator's hand by approx. 50% by increasing the grip size and making the grip hollow-structured, thereby retaining high-accuracy measurement.
- Wide measuring range with sub-anvils.
- The indicator (dial indicator, Digimatic indicator) and dial protection cover are optional. Select an indicator from the recommended dial indicators and Digimatic indicators. Please contact us for advice when using an indicator other than the recommended indicators.
- Optional Extension Rods can be attached for measuring deep holes. (For details, refer to page C-45)
- A Bore Gage Checker and a range of Setting Rings are available to aid in accurately setting a gage before making a measurement. (For details, refer to pages C-46 and C-47)



511-804

Note: The dial indicator and the protection cover are optional.



511-806

Note: The dial indicator and the protection cover are optional.

SPECIFICATIONS

Metric																						
Order No.	Range (mm)	Stroke of contact point (mm)	Measuring force (N)	Guide force (N)	Content of set						Probing depth (mm)											
					Bore gage	Dial indicator	Dial protection cover	Micrometer head	Sub-Anvil	Spanner												
511-803	60 - 100	1.6	5 or less	10 or less	511-803	Not supplied	Not supplied	1 pc.	2 pcs.	3 pcs.	150											
511-804	100 - 160				511-804																	
511-805	150 - 250				511-805																	
511-806	250 - 400				511-806																	
511-807	400 - 600		6 or less	15 or less	511-807							2 pcs.	250									
511-808	600 - 800				511-808																	
511-823-20	60 - 100				1.6									5 or less	10 or less	511-803	2109AB-10 (Graduation: 0.001 mm)	21DZA000	1 pc.	2 pcs.	3 pcs.	150
511-824-20	100 - 160															511-804						
511-825-20	150 - 250	511-805																				
511-826-20	250 - 400	511-806																				
511-827-20	400 - 600	6 or less	15 or less	511-807		2 pcs.	250															
511-828-20	600 - 800			511-808																		
511-813-20	60 - 100			1.6				5 or less	10 or less	511-803	2046AB (Graduation: 0.01 mm)	21DZA000	1 pc.	2 pcs.	3 pcs.	150						
511-814-20	100 - 160									511-804												
511-815-20	150 - 250	511-805																				
511-816-20	250 - 400	511-806																				
511-817-20	400 - 600	6 or less	15 or less		511-807	2 pcs.	250															
511-818-20	600 - 800				511-808																	

Inch																						
Order No.	Range (in)	Stroke of contact point (in)	Measuring force (N)	Guide force (N)	Content of set						Probing depth (in)											
					Bore gage	Dial indicator	Dial protection cover	Micrometer head	Sub-Anvil	Spanner												
511-833	2.4 - 4.0	0.063	5 or less	10 or less	511-833	Not supplied	Not supplied	1 pc.	2 pcs.	3 pcs.	6											
511-834	4.0 - 6.4				511-834																	
511-835	6.0 - 10.0				511-835																	
511-836	10.0 - 16.0				511-836																	
511-837	16.0 - 24.0		6 or less	15 or less	511-837							2 pcs.	10									
511-838	24.0 - 32.0				511-838																	
511-853-20	2.4 - 4.0				0.063									5 or less	10 or less	511-833	2923AB-10 (Graduation: 0.0001 in)	21DZA000	1 pc.	2 pcs.	3 pcs.	4
511-854-20	4.0 - 6.4															511-834						
511-855-20	6.0 - 10.0	511-835																				
511-856-20	10.0 - 16.0	511-836																				
511-857-20	16.0 - 24.0	6 or less	15 or less	511-837		2 pcs.	10															
511-858-20	24.0 - 32.0			511-838																		
511-843-20	2.4 - 4.0			0.063				5 or less	10 or less	511-833	2922AB (Graduation: 0.0005 in)	21DZA000	1 pc.	2 pcs.	3 pcs.	4						
511-844-20	4.0 - 6.4									511-834												
511-845-20	6.0 - 10.0	511-835																				
511-846-20	10.0 - 16.0	511-836																				
511-847-20	16.0 - 24.0	6 or less	15 or less		511-837	2 pcs.	6															
511-848-20	24.0 - 32.0				511-838																	

Note 1: Storage boxes for 511-807/808/837/838 models are made of wood. The boxes of other models are made of plastic.

Note 2: It is not permissible to expand measuring range using sub-anvils other than as supplied as standard accessories. (The measurement accuracy in such cases is not guaranteed.)