

Bore Gages

Bore Gages SERIES 511 — Short Leg Type

- As it is light and easy to handle with a short rod below the grip, the operator can work smoothly when inserting it into a narrow space or measuring an object on the table.
- The contact point and anvil have a carbide ball tip that is highly durable and abrasion-resistant.
- The grip minimizes the variation of indicator values affected by heat transfer from the operator's hand.



511-761 Note: The dial indicator and the dial protection cover are optional.



511-761

SPECIFICATIONS

Metric

Order No.	Range (mm)	Stroke of contact point (mm)	Accuracy* (μm)	Repeatability* (μm)	Adjacent error* (μm)	Measuring force (N)	Guide force (N)
511-761	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-762	35 - 60						
511-763	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-764	100 - 160						
511-771-20	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-772-20	35 - 60						
511-773-20	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-774-20	100 - 160						
511-766-20	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-767-20	35 - 60						
511-768-20	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-769-20	100 - 160						

Order No.	Content of set							Probing depth (mm)
	Bore gage	Dial indicator	Dial protection cover	Anvil	Interchangeable Washer	Sub-Anvil	Spanner	
511-761	511-761	Not supplied	Not supplied	9 pcs.	2 pcs.	Not supplied	1 pc.	50
511-762	511-762			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-763	511-763			11 pcs.				
511-764	511-764			13 pcs.				
511-771-20	511-761	2109AB-10 (Graduation: 0.001 mm)	21DZA000	9 pcs.	2 pcs.	Not supplied	1 pc.	50
511-772-20	511-762			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-773-20	511-763			11 pcs.				
511-774-20	511-764			13 pcs.				
511-766-20	511-761	2046AB (Graduation: 0.01 mm)	21DZA000	9 pcs.	2 pcs.	Not supplied	1 pc.	50
511-767-20	511-762			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-768-20	511-763			11 pcs.				
511-769-20	511-764			13 pcs.				

* Accuracy of the bore gage alone.

Note 1: A 50 mm sub-anvil is supplied with **511-763**.

Note 2: It is not permissible to use a sub-anvil other than as supplied as a standard accessory, or widen a measuring range by using multiple sub-anvils. (The measurement accuracy in such cases is not guaranteed.)

Measurement example



Contact Points



The dial protection cover, recommended indicators

Refer to page C-50.