

## Bore Gages

### Bore Gages SERIES 511 — Short Leg Type

- This is a bore gage for measuring 18 to 160 mm inside diameter.
- With a short length below the grip, a lightweight and easy-to-handle body makes it easier to insert the gage in a narrow space or perform measurements on a table.
- Carbide-tipped contact point and anvil for durability and wear resistance.



511-761

Note: The dial indicator and the dial protection cover are optional.  
Refer to page 08-52 for details.

## SPECIFICATIONS

### Metric

Code 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						

Code 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.	
511-763	511-763			11 pcs.		2 pcs.		
511-764	511-764			13 pcs.	4 pcs.		Not supplied	
511-771-20	511-761	2109AB-10 (Graduation: 0.001 mm)	21DZA000	9 pcs.		2 pcs.		Not supplied
511-772-20	511-762			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-773-20	511-763			11 pcs.				2 pcs.
511-774-20	511-764			13 pcs.	4 pcs.	Not supplied	Not supplied	
511-766-20	511-761	2046AB (Graduation: 0.01 mm)	21DZA000	9 pcs.				2 pcs.
511-767-20	511-762			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-768-20	511-763			11 pcs.				2 pcs.
511-769-20	511-764			13 pcs.	4 pcs.	Not supplied	Not supplied	

\* 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



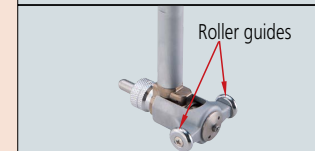
### Contact Points



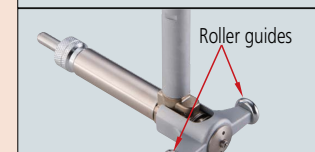
18 - 35 mm / 0.7 - 1.4 in



35 - 60 mm / 1.4 - 2.5 in



50 - 150 mm / 2.0 - 6.0 in



100 - 160 mm / 4.0 - 6.5 in

### The dial protection cover, recommended indicators

Refer to page 08-52.