

Bore Gages

Bore Gages SERIES 511

- This is a bore gage for measuring 18 to 400 mm inside diameter. It is suitable for highly accurate measurements.
- Carbide-tipped contact point and anvil for durability and wear resistance.
- Optional extension rods can be attached for measuring deep holes.



511-702

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)
511-701	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-702	35 - 60						
511-703	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-704	100 - 160						
511-705	160 - 250						
511-706	250 - 400						
511-721-20	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-722-20	35 - 60						
511-723-20	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-724-20	100 - 160						
511-725-20	160 - 250						
511-726-20	250 - 400						
511-711-20	18 - 35	1.2	2	0.5	1	4 or less	6 or less
511-712-20	35 - 60						
511-713-20	50 - 150	1.6	2	0.5	1	5 or less	10 or less
511-714-20	100 - 160						
511-715-20	160 - 250						
511-716-20	250 - 400						
511-921-20	18 - 150	See SPECIFICATIONS of 511-701/702/703					
511-922-20							
511-925-10							

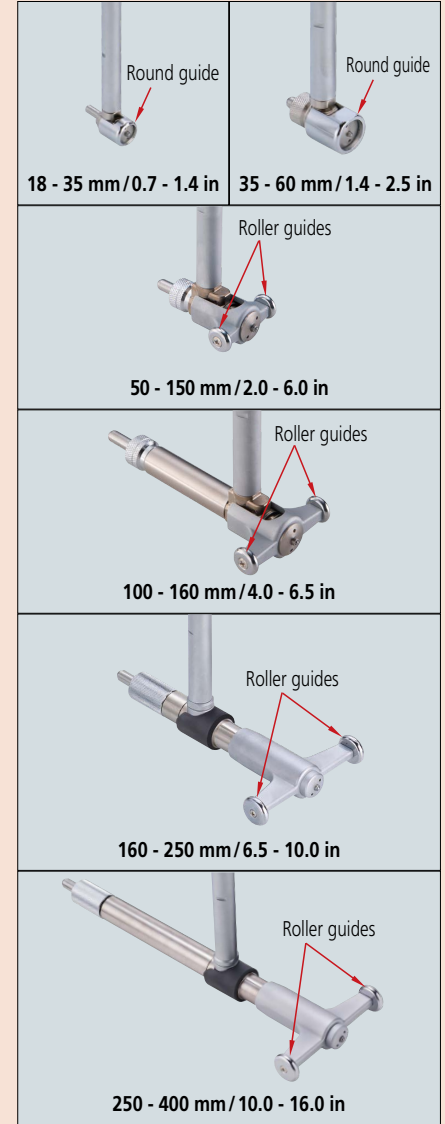
Code No.	Content of set							
	Bore gage	Dial indicator	Dial protection cover	Anvil	Interchangeable Washer	Sub-Anvil	Spanner	Probing depth (mm)
511-701	511-701	Not supplied	Not supplied	9 pcs.	2 pcs.	Not supplied	1 pc.	100
511-702	511-702			6 pcs.	4 pcs.			
511-703	511-703			11 pcs.		7 pcs.	1 pc.	
511-704	511-704			13 pcs.	5 pcs.			
511-705	511-705			6 pcs.		2 pcs.	Not supplied	
511-706	511-706			5 pcs.	4 pcs.			
511-721-20	511-701	2109AB-10 (Graduation: 0.001 mm)	21DZA000	9 pcs.		2 pcs.	Not supplied	1 pc.
511-722-20	511-702			6 pcs.	4 pcs.	1 pc.		
511-723-20	511-703			11 pcs.			7 pcs.	1 pc.
511-724-20	511-704			13 pcs.	5 pcs.	1 pc.		
511-725-20	511-705	6 pcs.	2 pcs.	Not supplied			1 pc.	
511-726-20	511-706	5 pcs.			4 pcs.	1 pc.		Not supplied
511-711-20	511-701	2046AB (Graduation: 0.01 mm)	21DZA000	9 pcs.			2 pcs.	
511-712-20	511-702			6 pcs.	4 pcs.	1 pc.	Not supplied	
511-713-20	511-703			11 pcs.				7 pcs.
511-714-20	511-704			13 pcs.	5 pcs.	1 pc.	Not supplied	
511-715-20	511-705	6 pcs.	2 pcs.	Not supplied				1 pc.
511-716-20	511-706	5 pcs.			4 pcs.	1 pc.	Not supplied	
511-921-20	Set of	2046AB	21DZA000	See SPECIFICATIONS of 511-701/702/703				
511-922-20	511-701/	2109AB-10						
511-925-10	702/703/	543-310B						

* Accuracy of the bore gage alone.

Note 1: A 50 mm sub-anvil is supplied with 511-703, and a 75 mm sub-anvil is supplied with 511-706.

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.)

Contact Points



Extension Rod

Refer to page 08-51.

The dial protection cover, recommended indicators

Refer to page 08-52.

Setting rings

Refer to pages 08-53 to 08-56.