

Bore Gages

For easy and accurate measurement of inside diameters

Bore Gages

SERIES 526 — for Extra Small Holes

- These gages are designed to measure the diameters of very small holes.



- Alternative indicators may be used in place of those recommended*.

* Some indicators and protection covers cannot be used with these bore gages. Contact a Mitutoyo sales office if considering the use of dial or digimatic indicators other than the recommended models.

- An optional stand (215-120-10) is available for efficient measurement of multiple small holes. Refer to page C-30 for details.



526-170-11

* The dial indicator and the protection cover are optional.

SPECIFICATIONS

Metric							
Order No.	Range	Accuracy	Repeatability	Bore gage	Dial indicator	Dial protection cover	Setting ring
526-170-10	0.95 - 1.55 mm	4 μm	1 μm	526-170-10	Not supplied	Not supplied	Not supplied
526-160-10	1.50 - 3.95 mm	4 μm		526-160-10			
526-150-10	3.70 - 7.30 mm	6 μm		526-150-10			
526-172-10	0.95 - 1.55 mm	4 μm		526-170-10	2109SB-10 (Graduation: 0.001 mm)	21DZA000	
526-162-10	1.50 - 3.95 mm	4 μm		526-160-10			
526-152-10	3.70 - 7.30 mm	6 μm		526-150-10			
526-173-10	0.95 - 1.55 mm	4 μm		526-170-10	2046SB (Graduation: 0.01 mm)	21DZA000	
526-163-10	1.50 - 3.95 mm	4 μm		526-160-10			
526-153-10	3.70 - 7.30 mm	6 μm		526-150-10			
526-170-11	0.95 - 1.55 mm	4 μm		526-170-10	Not supplied	Not supplied	Supplied
526-160-11	1.50 - 3.95 mm	4 μm		526-160-10			
526-150-11	3.70 - 7.30 mm	6 μm		526-150-10			
526-172-11	0.95 - 1.55 mm	4 μm		526-170-10	2109SB-10 (Graduation: 0.001 mm)	21DZA000	
526-162-11	1.50 - 3.95 mm	4 μm		526-160-10			
526-152-11	3.70 - 7.30 mm	6 μm		526-150-10			
526-173-11	0.95 - 1.55 mm	4 μm		526-170-10	2046SB (Graduation: 0.01 mm)	21DZA000	
526-163-11	1.50 - 3.95 mm	4 μm		526-160-10			
526-153-11	3.70 - 7.30 mm	6 μm		526-150-10			

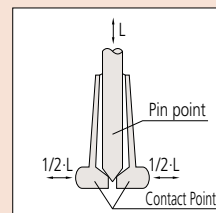
Inch							
Order No.	Range	Accuracy	Repeatability	Bore gage	Dial indicator	Dial protection cover	Setting ring
526-175-10	0.037 - 0.061 in	0.00016 in	0.00004 in	526-175-10	Not supplied	Not supplied	Not supplied
526-165-10	0.059 - 0.156 in	0.00016 in		526-165-10			
526-155-10	0.146 - 0.287 in	0.00024 in		526-155-10			
526-176-10	0.037 - 0.061 in	0.00016 in		526-175-10	2923SB-10 (Graduation: 0.0001 in)	21DZA000	
526-166-10	0.059 - 0.156 in	0.00016 in		526-165-10			
526-156-10	0.146 - 0.287 in	0.00024 in		526-155-10			
526-175-11	0.037 - 0.061 in	0.00016 in		526-175-10	Not supplied	Not supplied	Supplied
526-165-11	0.059 - 0.156 in	0.00016 in		526-165-10			
526-155-11	0.146 - 0.287 in	0.00024 in		526-155-10			
526-176-11	0.037 - 0.061 in	0.00016 in		526-175-10	2923SB-10 (Graduation: 0.0001 in)	21DZA000	
526-166-11	0.059 - 0.156 in	0.00016 in		526-165-10			
526-156-11	0.146 - 0.287 in	0.00024 in		526-155-10			

Setting rings are not supplied with some models.

Please purchase them separately if necessary. For details of setting rings, refer to page C-47.



Measurement Principle



Setting Rings (Metric models)

Nominal size

- Order No. 526-170-11 etc.

177-220: 1.0 mm

177-222: 1.1 mm

177-225: 1.2 mm

177-227: 1.3 mm

177-230: 1.4 mm

- Order No. 526-160-11 etc.

177-236: 1.75 mm

177-239: 2.00 mm

177-242: 2.25 mm

177-208: 2.50 mm

177-246: 2.75 mm

177-248: 3.00 mm

177-250: 3.25 mm

177-252: 3.50 mm

177-255: 3.75 mm

- Order No. 526-150-11 etc.

177-204: 4.0 mm

177-257: 4.5 mm

177-205: 5.0 mm

177-263: 5.5 mm

177-267: 6.0 mm

177-271: 6.5 mm

177-275: 7.0 mm

Setting Rings (Inch models)

Nominal size

- Order No. 526-175-11 etc.

177-350: 0.040 in

177-351: 0.045 in

177-352: 0.050 in

177-353: 0.055 in

177-354: 0.060 in

- Order No. 526-165-11 etc.

177-355: 0.07 in

177-356: 0.08 in

177-357: 0.09 in

177-358: 0.10 in

177-359: 0.11 in

177-360: 0.12 in

177-361: 0.13 in

177-362: 0.14 in

177-363: 0.15 in

- Order No. 526-155-11 etc.

177-364: 0.16 in

177-365: 0.18 in

177-366: 0.20 in

177-367: 0.22 in

177-368: 0.24 in

177-369: 0.26 in

177-370: 0.28 in