

Bore Gages

Bore Gages SERIES 526 — for Extra Small Holes

- This bore gage is designed to measure small holes of 1 to 7 mm diameter.
- The dial indicator is optional. Refer to page 08-52 for recommended indicators.
- Optional stand (**215-120-10**) is available for efficient measurement of multiple small holes.



526-170-11

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

SPECIFICATIONS

Metric

Code No.	Range (mm)	Accuracy* (μm)	Repeatability* (μm)	Bore gage	Dial indicator	Dial protection cover	Setting ring	
526-170-10	0.95 - 1.55	4	1	526-170-10	Not supplied	Not supplied	Not supplied	
526-160-10	1.50 - 3.95	4		526-160-10				
526-150-10	3.70 - 7.30	6		526-150-10				
526-172-20	0.95 - 1.55	4		526-170-10	2109AB-10 (Graduation: 0.001 mm)	21DZA000		
526-162-20	1.50 - 3.95	4		526-160-10				
526-152-20	3.70 - 7.30	6		526-150-10				
526-173-20	0.95 - 1.55	4		526-170-10	2046AB (Graduation: 0.01 mm)	21DZA000		
526-163-20	1.50 - 3.95	4		526-160-10				
526-153-20	3.70 - 7.30	6		526-150-10				
526-170-11	0.95 - 1.55	4		526-170-10	Not supplied	Not supplied		
526-160-11	1.50 - 3.95	4		526-160-10				
526-150-11	3.70 - 7.30	6		526-150-10				
526-172-21	0.95 - 1.55	4		526-170-10	2109AB-10 (Graduation: 0.001 mm)	21DZA000		Supplied
526-162-21	1.50 - 3.95	4		526-160-10				
526-152-21	3.70 - 7.30	6	526-150-10					
526-173-21	0.95 - 1.55	4	526-170-10	2046AB (Graduation: 0.01 mm)	21DZA000			
526-163-21	1.50 - 3.95	4	526-160-10					
526-153-21	3.70 - 7.30	6	526-150-10					

Inch

Code No.	Range (in)	Accuracy* (in)	Repeatability* (in)	Bore gage	Dial indicator	Dial protection cover	Setting ring	
526-175-10	0.037 - 0.061	0.00016	0.00004	526-175-10	Not supplied	Not supplied	Not supplied	
526-165-10	0.059 - 0.156	0.00016		526-165-10				
526-155-10	0.146 - 0.287	0.00024		526-155-10				
526-176-20	0.037 - 0.061	0.00016		526-175-10	2923AB-10 (Graduation: 0.0001 in)	21DZA000		
526-166-20	0.059 - 0.156	0.00016		526-165-10				
526-156-20	0.146 - 0.287	0.00024		526-155-10				
526-175-11	0.037 - 0.061	0.00016		526-175-10	Not supplied	Not supplied		
526-165-11	0.059 - 0.156	0.00016		526-165-10				
526-155-11	0.146 - 0.287	0.00024		526-155-10				
526-176-21	0.037 - 0.061	0.00016		526-175-10	2923AB-10 (Graduation: 0.0001 in)	21DZA000		Supplied
526-166-21	0.059 - 0.156	0.00016		526-165-10				
526-156-21	0.146 - 0.287	0.00024		526-155-10				

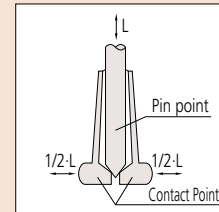
* Accuracy of the bore gage alone.

Note: Setting rings are not supplied with some models. Please purchase them separately if necessary. For details of setting rings, refer to page 08-53.

Measurement example



Measurement Principle



Setting Rings (Metric)

Nominal size

- Code 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
- Code 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
- Code 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)

Nominal size

- Code 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
- Code 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
- Code 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