

Bore Gages

Bore Gages  
SERIES 526 — for Extra Small Holes

- This series allows for agile and highly accurate comparative measurement of  $\varnothing 7$  to 18 mm inside diameters.
- We offer an array of indicators. Contact us if you prefer any indicator other than the standard recommended indicator.
- Optional stand (215-120-10) is available for efficient measurement of multiple small holes.



526-101

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

SPECIFICATIONS

| Metric     |            |                |                     |           |                                      |                       |              |
|------------|------------|----------------|---------------------|-----------|--------------------------------------|-----------------------|--------------|
| Order No.  | Range (mm) | Accuracy* (μm) | Repeatability* (μm) | Bore gage | Dial indicator                       | Dial protection cover | Setting ring |
| 526-101    | 7 - 10     | 4              | 2                   | 526-101   | Not supplied                         | Not supplied          | Not supplied |
| 526-102    | 10 - 18    | 6              |                     | 526-102   |                                      |                       |              |
| 526-124-20 | 7 - 10     | 4              |                     | 526-101   | 2109AB-10<br>(Graduation: 0.001 mm)  | 21DZA000              |              |
| 526-125-20 | 10 - 18    | 6              |                     | 526-102   |                                      |                       |              |
| 526-126-20 | 7 - 10     | 4              |                     | 526-101   | 2046AB                               |                       |              |
| 526-127-20 | 10 - 18    | 6              |                     | 526-102   | (Graduation: 0.01 mm)                |                       |              |
| Inch       |            |                |                     |           |                                      |                       |              |
| Order No.  | Range (in) | Accuracy* (in) | Repeatability* (in) | Bore gage | Dial indicator                       | Dial protection cover | Setting ring |
| 526-103    | 0.3 - 0.4  | 0.00016        | 0.00008             | 526-103   | Not supplied                         | Not supplied          | Not supplied |
| 526-104    | 0.4 - 0.7  | 0.00024        |                     | 526-104   |                                      |                       |              |
| 526-122-20 | 0.3 - 0.4  | 0.00016        |                     | 526-103   | 2923AB-10<br>(Graduation: 0.0001 in) | 21DZA000              |              |
| 526-123-20 | 0.4 - 0.7  | 0.00024        |                     | 526-104   |                                      |                       |              |
| 526-119-20 | 0.3 - 0.4  | 0.00016        |                     | 526-103   | 2922AB                               |                       |              |
| 526-120-20 | 0.4 - 0.7  | 0.00024        |                     | 526-104   | (Graduation: 0.0005 in)              |                       |              |

\* Accuracy of the bore gage alone.  
Note: Setting rings are not supplied.  
Please purchase them separately if necessary. For details of the setting rings, refer to page C-52.

DIMENSIONS

STANDARD ACCESSORIES

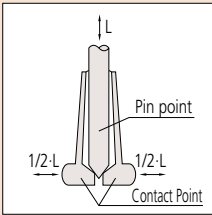
| Bore gage (Main body) | Marked No. | Order No. | Contact point Range          | L10 | L11 | L12  | Spanner Order No. |
|-----------------------|------------|-----------|------------------------------|-----|-----|------|-------------------|
| 526-101<br>526-103    | 1          | 102469    | 7.0 - 7.5 mm/0.28 - 0.30 in  | 1.8 | 40  | 29.2 | 102148            |
|                       | 2          | 102470    | 7.5 - 8.0 mm/0.30 - 0.32 in  |     |     |      |                   |
|                       | 3          | 102471    | 8.0 - 8.5 mm/0.32 - 0.34 in  |     |     |      |                   |
|                       | 4          | 102472    | 8.5 - 9.0 mm/0.34 - 0.36 in  |     |     |      |                   |
|                       | 5          | 102473    | 9.0 - 9.5 mm/0.36 - 0.38 in  |     |     |      |                   |
|                       | 6          | 102474    | 9.5 - 10.0 mm/0.38 - 0.40 in |     |     |      |                   |
| 526-102<br>526-104    | 1          | 102454    | 10 - 11 mm/0.40 - 0.44 in    | 2.7 | 46  | 38   | 102148            |
|                       | 2          | 102455    | 11 - 12 mm/0.44 - 0.48 in    |     |     |      |                   |
|                       | 3          | 102456    | 12 - 13 mm/0.48 - 0.52 in    |     |     |      |                   |
|                       | 4          | 102457    | 13 - 14 mm/0.52 - 0.56 in    |     |     |      |                   |
|                       | 5          | 102458    | 14 - 15 mm/0.56 - 0.60 in    |     |     |      |                   |
|                       | 6          | 102459    | 15 - 16 mm/0.60 - 0.64 in    |     |     |      |                   |
|                       | 7          | 102460    | 16 - 17 mm/0.64 - 0.68 in    |     |     |      |                   |
|                       | 8          | 102461    | 17 - 18 mm/0.68 - 0.72 in    |     |     |      |                   |

Note: Contact point is consumable part. Please replace it with new one when degrading of accuracy, operation, or measuring range.

Measurement example



Measurement Principle



The dial protection cover, recommended indicators

Refer to page C-50.

Spanner  
102148

