

**SERIES 526 — for Extra Small Holes**

## FEATURES

- Optional stand (**215-120-10**) is available for efficient measurement of multiple small holes.

## Metric

Gage Stem  $\varnothing$  8mm

| Measuring Range | Order No.<br>Without Dial Gage | Order No.<br>With 2046SB<br>Graduation 0.01mm | Order No.<br>With 2109SB-10<br>Graduation 0.001mm | Number of Anvils | Number of Needles | Probe depth (D) | Setting Rings |
|-----------------|--------------------------------|-----------------------------------------------|---------------------------------------------------|------------------|-------------------|-----------------|---------------|
| 0.95-1.55mm     | 526-170-10*                    | 526-173-10                                    | 526-172-10                                        | 5                | 1                 | 11.5mm          | -             |
| 0.95-1.55mm     | 526-170-11*                    | 526-173-11                                    | 526-172-11                                        | 5                | 1                 | 11.5mm          | 5             |
| 1.5-3.95mm      | 526-160-10*                    | 526-163-10                                    | 526-162-10                                        | 9                | 2                 | 17.5,22.5mm     | -             |
| 1.5-3.95mm      | 526-160-11*                    | 526-163-11                                    | 526-162-11                                        | 9                | 2                 | 17.5,22.5mm     | 9             |
| 3.7-7.3mm       | 526-150-10*                    | 526-153-10                                    | 526-152-10                                        | 7                | 1                 | 32mm            | -             |
| 3.7-7.3mm       | 526-150-11*                    | 526-153-11                                    | 526-152-11                                        | 7                | 1                 | 32mm            | 7             |
| 7 - 10mm        | 526-101*                       | 526-126                                       | 526-124                                           | 6                | 1                 | 56mm            |               |
| 10 - 18mm       | 526-102*                       | 526-127                                       | 526-125                                           | 8                | 1                 | 62mm            |               |

\*Does not come with Dial Gage Protector (21DZA000)

## Inch

Gage Stem Dia .375"

| Measuring Range | Order No. Without Dial Gage | Order No. With 2922SB Graduation .0005" | Order No. With 2923SB-10 Graduation .0001" | Number of Anvils | Number of Needles | Probe depth (D) | Setting Rings |
|-----------------|-----------------------------|-----------------------------------------|--------------------------------------------|------------------|-------------------|-----------------|---------------|
| .037-.061"      | <b>526-175-10*</b>          | -                                       | <b>526-176-10</b>                          | 5                | 1                 | .453"           | -             |
| .037-.061"      | <b>526-175-11*</b>          | -                                       | <b>526-176-11</b>                          | 5                | 1                 | .453"           | 5             |
| .059-.156"      | <b>526-165-10*</b>          | -                                       | <b>526-166-10</b>                          | 9                | 2                 | .689,.886"      | -             |
| .059-.156"      | <b>526-165-11*</b>          | -                                       | <b>526-166-11</b>                          | 9                | 2                 | .689,.886"      | 9             |
| .146-.287"      | <b>526-155-10*</b>          | -                                       | <b>526-156-10</b>                          | 7                | 1                 | 1.26"           | -             |
| .146-.287"      | <b>526-155-11*</b>          | -                                       | <b>526-156-11</b>                          | 7                | 1                 | 1.26"           | 7             |
| .3 - .4"        | <b>526-103*</b>             | <b>526-119</b>                          | <b>526-122</b>                             | 6                | 1                 | 2.2"            |               |
| .4 - .7"        | <b>526-104*</b>             | <b>526-120</b>                          | <b>526-123</b>                             | 8                | 1                 | 2.4"            |               |

\*Does not come with Dial Gage Protector (21DZA000)

Technical drawings of two types of contact pins, labeled (10) and (6).

**Pin (10):** The side view shows a pin with a total length of 80 mm. The dimensions are: 6 mm for the contact tip, 6.5 mm for the transition, 45 mm for the main body, and 26.5 mm for the mounting section. The contact tip has a diameter of  $\varnothing 8$ . The end view shows a circular contact area with a diameter of 8 mm. The mounting section is secured with a nut and washer.

**Pin (6):** The side view shows a pin with a total length of 80 mm. The dimensions are: 16.5 mm for the contact tip, 45 mm for the main body, and 27 mm for the mounting section. The contact tip has a diameter of  $\varnothing 8$ . The end view shows a circular contact area with a diameter of 8 mm. The mounting section is secured with a nut and washer.

**Pin (10) Detail:** The detail view shows a pin with a diameter of  $\varnothing 8$  and a length of 8 mm. The contact tip has a diameter of  $\varnothing 8$ . The mounting section is secured with a nut and washer. The dimensions are: 8 mm for the contact tip, 5 mm for the transition, and 7 mm for the mounting section. The mounting section is secured with a nut and washer.

**Pin (6) Detail:** The detail view shows a pin with a diameter of  $\varnothing 8$  and a length of 6 mm. The contact tip has a diameter of  $\varnothing 8$ . The mounting section is secured with a nut and washer. The dimensions are: 6 mm for the contact tip and M7x0.75 for the mounting section.

Unit: mm

**2922SB**  
.0005"

**2923SB-10**  
.0001"

**2109SB-10**  
0.001mm

**2046SB**  
0.01mm



Accuracy: 4µm / .00016"  
Indication stability: 2µm / .00008"  
Graduation: 0.01mm, 0.001mm, .0005" or .00001"

A diagram of a probe tip under a vertical load  $L$ . The probe is shown as a shaded, conical shape. At the base, two contact points are indicated by arrows pointing outwards, each labeled  $1/2 \cdot L$ . The label "Probe" points to the main body, and "Contact point" points to the base area.

**215-120-10:** Bore gage stand



---: Setting ring (See page C-29.)