



511-843

# Bore Gages

## SERIES 511 — with Micrometer Head

### FEATURES

- Interchangeable anvil is attached to a micrometer head for accurate dimensional setting.
- Wide measuring range with sub-anvils.
- Carbide ball contact point for durability.
- Extension rods (optional) can be attached for measuring deep holes.
- Optional Setting Rings offer the best method of zero-setting Bore Gages.

### SPECIFICATIONS

| Inch            |                             | Gage Stem ø 3/8"                        |  |                 |                   |
|-----------------|-----------------------------|---|--|-----------------|-------------------|
| Measuring Range | Order No. Without Indicator | Order No. With 2922SB Graduation .0005" | Order No. With 2923SB-10 Graduation .0001" | Mic Head Travel | Sub Anvil         |
| 2.4 - 4.0"      | 511-833*                    | 511-843                                 | 511-853                                    | .4"             | .4", .8"          |
| 4.0 - 6.4"      | 511-834*                    | 511-844                                 | 511-854                                    | .5"             | .4", .8", .8"     |
| 6.0 - 10"       | 511-835*                    | 511-845                                 | 511-855                                    | .5"             | .4", .8", .8", 2" |
| 10 - 16"        | 511-836*                    | 511-846                                 | 511-856                                    | 1"              | 1", 2", 2"        |
| 16 - 24"        | 511-837*                    | 511-847                                 | 511-857                                    | 2"              | 2", 4"            |
| 24 - 32"        | 511-838*                    | 511-848                                 | 511-858                                    | 2"              | 2", 4"            |

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

| Metric          |                             | Gage Stem ø 8mm                         |   |                 |                        |
|-----------------|-----------------------------|---|---|-----------------|------------------------|
| Measuring Range | Order No. Without Indicator | Order No. With 2046SB Graduation 0.01mm | Order No. With 2109SB-10 Graduation 0.001mm | Mic Head Travel | Sub Anvil              |
| 60 - 100mm      | 511-803*                    | 511-813                                 | 511-823                                     | 10mm            | 10mm, 20mm             |
| 100 - 160mm     | 511-804*                    | 511-814                                 | 511-824                                     | 13mm            | 10mm, 20mm, 20mm       |
| 150 - 250mm     | 511-805*                    | 511-815                                 | 511-825                                     | 13mm            | 10mm, 20mm, 20mm, 50mm |
| 250 - 400mm     | 511-806*                    | 511-816                                 | 511-826                                     | 25mm            | 25mm, 50mm, 50mm       |
| 400 - 600mm     | 511-807*                    | 511-817                                 | 511-827                                     | 50mm            | 50mm, 100mm            |
| 600 - 800mm     | 511-808*                    | 511-818                                 | 511-828                                     | 50mm            | 50mm, 100mm            |

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### Technical Data

Accuracy: 2µm / .00008"  
 Indication stability: 1µm / .00004"  
 Graduation: 0.01mm, 0.001mm, .0005" or .0001"

### Optional Accessories

#### Extension rods

| Bore Gage Measuring Range | Extension Length |                |                 |                 |                  | Rod Diameter | Spanner |
|---------------------------|------------------|----------------|-----------------|-----------------|------------------|--------------|---------|
|                           | 4.92"<br>125mm   | 9.84"<br>250mm | 19.69"<br>500mm | 29.53"<br>750mm | 39.37"<br>1000mm |              |         |
| 2.4-6.4"<br>60 - 160mm    | 953552           | 953553         | 953554          | 953555          | 953556           | .47"<br>12mm | 212556  |
| 6.0 - 32.0"<br>150-800mm  | 953557           | 952361         | 953558          | 953559          | 953560           | .59"<br>15mm | 212556  |

Note: Not available for 511-2XX/4XX Series.