



Bore plug gauge standard OD, Sleeve Ø D: 80-100mm



Order data

| | |
|--------------|---------------|
| Order number | 435154 80-100 |
| GTIN | 2050001677112 |
| Item class | 46D |

Description

Version:

OD bore plug gauges are mechanical two-point dial bore plug gauges for highest requirements. Hardened gauging sleeve. For bores of 3 – 100 mm. Centring by the gauging sleeve prevents tilt errors and therefore ensures maximum precision irrespective of the user. No need to seek the return point. Dial indicators with shank Ø 8 h6 can be used as displays.

- **Repetition accuracy 1 µm.**
- **Robust and reliable.**
- **Minimum measuring time with maximum measuring reliability.**
- **Thread connection bore gauge/ holder M10×1.**

Application:

For bores of 3 – 100 mm. For quality assurance in series production, manual or automatic measuring.

Supplied with:

Gauging sleeve with two radially movable 180° offset carbide measuring bars.

Optional extras:

Precision dial comparator No. 434674, inductive precision dial comparator No. 434670, dial indicator with anticlockwise scale 434807 size 10, digital dial indicator 434322, holder for plug gauges No. 435160, setting rings No. 484030. Measuring depth extensions, angle pieces and depth stops on request.

Note:

When ordering, please state **additionally** the exact bore tolerances, for example: No. 435154 size 6–12 **10H7**,

No. 435154 size 6–12 **10 + 0.15 / – 0.01**,

No. 435154 size 6–12 **9.990 / 10.15**.

When using precision dial indicators, an additional extension No. 434920 size 10 or probe No. 434900 size 16 is required.

- **Plug gauges for large bores (up to Ø 500), recesses, grooves, also in 3-point version available on request.**
- **Tolerance range 10 µm or fine fit quality 5 and finer on request.**
- **Measuring range > 0.2 mm on request.**
- **Measuring contacts with larger radius as well as in ruby, ceramic and DLC-coated are available.**

Technical description

| | |
|---------------------|-------|
| Repetition accuracy | 1 µm |
| Gauging force | 2 N |
| Sleeve dimension H | 33 mm |
| Face dimension h | 4 mm |
| Tolerance zone | FG |
| Tolerance zone | U |
| Tolerance zone | V |
| Tolerance zone | T |
| Tolerance zone | B |
| Tolerance zone | S |
| Tolerance zone | P |
| Tolerance zone | R |
| Tolerance zone | N |
| Tolerance zone | K |
| Tolerance zone | M |
| Tolerance zone | JS |
| Tolerance zone | J |
| Tolerance zone | H |
| Tolerance zone | A |
| Tolerance zone | G |

| | |
|-----------------|----------------------------|
| Tolerance zone | FG |
| Tolerance zone | F |
| Tolerance zone | EF |
| Tolerance zone | D |
| Tolerance zone | E |
| Tolerance zone | CD |
| Tolerance zone | C |
| Tolerance zone | ZC |
| Tolerance zone | ZB |
| Tolerance zone | Z |
| Tolerance zone | ZA |
| Tolerance zone | ZC |
| Quality | 6 mm |
| Quality | 13 mm |
| Quality | 9 mm |
| Quality | 12 mm |
| Quality | 7 mm |
| Quality | 10 mm |
| Quality | 11 mm |
| Quality | 8 mm |
| Nominal size | 80 - 100 mm |
| Calibration | C4 |
| Type of product | Bore gauge micrometer head |

Services

Calibration Precision bore gauge (types B + C) maximum measuring range 160 mm

023210 160

Accessories

| | |
|---|---------------|
| Holder for plug gaugeOD Holder length 105 mm | 435160 105 |
| Precision dial comparator \pm measuring range / reading 25/0,5 μm | 434674 25/0,5 |
| Setting ringDIN 2250 C Nominal size \varnothing 85 mm | 484030 85 |
| Holder for plug gaugeOD Holder length 50 mm | 435160 50 |
| Precision dial comparator \pm measuring range / reading 130/5 μm | 434674 130/5 |
| Setting ringDIN 2250 C Nominal size \varnothing 80 mm | 484030 80 |
| Setting ringDIN 2250 C Nominal size \varnothing 100 mm | 484030 100 |
| Steel contact point Type 16 | 434900 16 |
| Precision dial comparator \pm measuring range / reading 250/10 μm | 434674 250/10 |
| Inductive precision comparator Extramess Type 2001 | 434670 2001 |
| Extension for contact points Length L 10 mm | 434920 10 |
| Holder for plug gaugeOD Holder length 235 mm | 435160 235 |
| Precision dial comparator \pm measuring range / reading 50/1 μm | 434674 50/1 |
| Setting ringDIN 2250 C Nominal size \varnothing 90 mm | 484030 90 |
| Setting ringDIN 2250 C Nominal size \varnothing 95 mm | 484030 95 |