



Bore plug gauge for through holes OD, Sleeve Ø D: 20-30 mm



Order data

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|--------------|---------------|
| Order number | 435156 20-30 |
| GTIN | 2050001677266 |
| Item class | 46D |

Description

IMPORTANT: item is configurable

Quality: 10 mm; 11 mm; 12 mm; 13 mm; 6 mm; 7 mm; 8 mm; 9 mm

Tolerance zone: A; B; C; CD; D; E; EF; F; FG; G; H; J; JS; K; M; N; P; R; S; T; U; V; Z; ZA; ZB; ZC; ZC

Nominal size: 20 - 30 mm, Intervall: 0,001

Version:

OD bore plug gauges are mechanical two-point dial bore plug gauges for highest requirements. Hardened gauging sleeve. For bores of 2.5 – 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 2.5 – 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 200), 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 also available in ruby, ceramic and hard chrome plated.**

Calibration: C4

Repetition accuracy: 1 µm

Nominal size: 20 - 30 mm

Sleeve dimension H: 27 mm

Face dimension h: 10 mm

Gauging force: 2 N

Technical description

| | |
|---------------------|-------|
| Repetition accuracy | 1 µm |
| Gauging force | 2 N |
| Sleeve dimension H | 27 mm |
| Face dimension h | 10 mm |
| Quality | 6 mm |
| Quality | 12 mm |
| Quality | 8 mm |
| Quality | 10 mm |
| Quality | 13 mm |
| Quality | 9 mm |
| Quality | 11 mm |
| Quality | 7 mm |
| Tolerance zone | V |
| Tolerance zone | T |
| Tolerance zone | U |
| Tolerance zone | B |

| | |
|-----------------|----------------------------|
| Tolerance zone | S |
| Tolerance zone | R |
| Tolerance zone | N |
| Tolerance zone | P |
| Tolerance zone | M |
| Tolerance zone | JS |
| Tolerance zone | K |
| Tolerance zone | J |
| Tolerance zone | H |
| Tolerance zone | A |
| Tolerance zone | G |
| Tolerance zone | FG |
| Tolerance zone | EF |
| Tolerance zone | F |
| Tolerance zone | E |
| Tolerance zone | D |
| Tolerance zone | CD |
| Tolerance zone | ZC |
| Tolerance zone | C |
| Tolerance zone | ZB |
| Tolerance zone | ZA |
| Tolerance zone | ZC |
| Tolerance zone | Z |
| Tolerance zone | FG |
| Nominal size | 20 - 30 mm |
| Calibration | C4 |
| Type of product | Bore gauge micrometer head |

Services

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|--|-----------|
| Calibration Precision bore gauge (types B + C) maximum measuring range 60 mm | 013520 60 |
| Labelling laser-etched Type | 018940 |
| DAkkS calibration Precision bore gauge (types B + C) maximum measuring range 60 mm | 012930 60 |
| DAkkS calibration Precision bore gauge (types B + C) maximum measuring range 60 mm | 023220 60 |
| Calibration Precision bore gauge (types B + C) maximum measuring range 60 mm | 023210 60 |

Accessories

| | |
|---|---------------|
| Setting ring DIN 2250 C Nominal size Ø 25 mm | 484030 25 |
| Setting ring DIN 2250 C Nominal size Ø 24 mm | 484030 24 |
| Inductive precision comparator Extramess Type 2000 | 434670 2000 |
| Holder for plug gauge OD Holder length 235 mm | 435160 235 |
| Precision dial comparator ± measuring range / reading 50/1 µm | 434674 50/1 |
| Setting ring DIN 2250 C Nominal size Ø 20 mm | 484030 20 |
| Holder for plug gauge OD Holder length 50 mm | 435160 50 |
| Precision dial comparator ± measuring range / reading 25/0,5 µm | 434674 25/0,5 |
| Inductive precision comparator Extramess Type 2001 | 434670 2001 |
| Setting ring DIN 2250 C Nominal size Ø 26 mm | 484030 26 |
| Setting ring DIN 2250 C Nominal size Ø 22 mm | 484030 22 |
| Steel contact point Type 16 | 434900 16 |
| Extension for measuring probe Length L 10 mm | 434920 10 |
| Inductive precision comparator Extramess Type 2100 | 434670 2100 |
| Precision dial comparator ± measuring range / reading 250/10 µm | 434674 250/10 |
| Holder for plug gauge OD Holder length 105 mm | 435160 105 |
| Setting ring DIN 2250 C Nominal size Ø 30 mm | 484030 30 |
| | 434674 130/5 |

Precision dial comparator \pm measuring range / reading
130/5 μm

Setting ring DIN 2250 C Nominal size \varnothing 28 mm

484030 28

Precision dial comparator \pm measuring range / reading
1500/50 μm

434674 1500/50