



## Internal precision bore gauge set, carbide, without dial indicator SU, Measuring range: 18-100 mm



### Order data

|              |               |
|--------------|---------------|
| Order number | 435070 18-100 |
| GTIN         | 2050001048028 |
| Item class   | 46F           |

### Description

#### Version:

Self-centring two-point dial bore gauge with spring-loaded centring disc. Smooth and accurate transmission of the contact point travel via a ring segment. Fixed, exchangeable measuring pins can be set to different  $\varnothing$ . Carbide-tipped point. Gauge holder with hand and ambient temperature protection.

Fixed measuring pins **carbide-tipped**.

#### Application:

For precise measuring of bores in terms of  $\varnothing$ , roundness, and cylindricity as well as measurements of internal profiles.

#### Supplied with:

Precision bore gauge complete (without dial indicator).

#### Optional extras:

Measuring depth extensions No. 435142, Precision dial comparator No. 434674, inductive precision dial comparator No. 434670, dial indicator with anticlockwise scale 434807 size 10, digital dial indicator 434322, setting ring No. 484030.

#### Note:

When using precision dial indicators, an additional extension No. 434920 size 10 or probe No. 434900 size 16 is required. Versions up to 800 mm measuring range available on request.

Calibration: S9

Repetition accuracy without dial gauge: 0.5  $\mu\text{m}$

Measurement depth: 110 - 180 mm

Number of precision bore gauges: 3

Number of contact points: 27

Number of measuring discs: 7

## Technical description

|  |                               |
|--|-------------------------------|
| Number of contact points               | 27                            |
| Number of precision bore gauges        | 3                             |
| Measurement depth                      | 110 - 180 mm                  |
| Measuring range                        | 18 - 100 mm                   |
| Repetition accuracy without dial gauge | 0.5 $\mu$ m                   |
| Number of measuring discs              | 7                             |
| Packaging                              | sturdy box                    |
| Calibration                            | S9                            |
| Type of product                        | 2-point precision bore gauges |

## Services

|   |               |
|---|---------------|
| Calibration Internal precision bore gauge set Measuring range 18-150 mm | 011290 18-150 |
| Labelling laser-etched Type   | 018940        |
| Calibration Internal precision bore gauge set Measuring range 18-150 mm | 020580 18-150 |

## Accessories

|  |             |
|--|-------------|
| Setting ring DIN 2250 C Nominal size $\varnothing$ 80 mm               | 484030 80   |
| Setting ring DIN 2250 C Nominal size $\varnothing$ 36 mm               | 484030 36   |
| Setting ring DIN 2250 C Nominal size $\varnothing$ 100 mm              | 484030 100  |
| Precision dial comparator $\pm$ measuring range / reading 50/1 $\mu$ m | 434674 50/1 |
| Setting ring DIN 2250 C Nominal size $\varnothing$ 26 mm               | 484030 26   |
| Setting ring DIN 2250 C Nominal size $\varnothing$ 34 mm               | 484030 34   |
| Setting ring DIN 2250 C Nominal size $\varnothing$ 19 mm               | 484030 19   |

|   |                |
|---|----------------|
| Setting ring DIN 2250 C Nominal size Ø 35 mm                        | 484030 35      |
| Setting ring DIN 2250 C Nominal size Ø 22 mm                        | 484030 22      |
| Precision dial comparator ± measuring range / reading<br>25/0,5 µm  | 434674 25/0,5  |
| Setting ring DIN 2250 C Nominal size Ø 46 mm                        | 484030 46      |
| Setting ring DIN 2250 C Nominal size Ø 55 mm                        | 484030 55      |
| Setting ring DIN 2250 C Nominal size Ø 75 mm                        | 484030 75      |
| Setting ring DIN 2250 C Nominal size Ø 28 mm                        | 484030 28      |
| Steel contact point Type 16   | 434900 16      |
| Inductive precision comparator Extramess Type 2100                  | 434670 2100    |
| Extension for measuring probe Length L 10 mm                        | 434920 10      |
| Setting ring DIN 2250 C Nominal size Ø 25 mm                        | 484030 25      |
| Setting ring DIN 2250 C Nominal size Ø 50 mm                        | 484030 50      |
| Setting ring DIN 2250 C Nominal size Ø 90 mm                        | 484030 90      |
| Precision dial comparator ± measuring range / reading<br>1500/50 µm | 434674 1500/50 |
| Precision dial comparator ± measuring range / reading<br>130/5 µm   | 434674 130/5   |
| Setting ring DIN 2250 C Nominal size Ø 24 mm                        | 484030 24      |
| Setting ring DIN 2250 C Nominal size Ø 70 mm                        | 484030 70      |
| Setting ring DIN 2250 C Nominal size Ø 85 mm                        | 484030 85      |
| Setting ring DIN 2250 C Nominal size Ø 30 mm                        | 484030 30      |
| Precision dial comparator ± measuring range / reading<br>250/10 µm  | 434674 250/10  |
| Setting ring DIN 2250 C Nominal size Ø 18 mm                        | 484030 18      |
| Setting ring DIN 2250 C Nominal size Ø 95 mm                        | 484030 95      |
| Setting ring DIN 2250 C Nominal size Ø 32 mm                        | 484030 32      |
| Setting ring DIN 2250 C Nominal size Ø 44 mm                        | 484030 44      |
| Setting ring DIN 2250 C Nominal size Ø 42 mm                        | 484030 42      |
| Inductive precision comparator Extramess Type 2000                  | 434670 2000    |
| Setting ring DIN 2250 C Nominal size Ø 40 mm                        | 484030 40      |

|  |             |
|--|-------------|
| Setting ring DIN 2250 C Nominal size Ø 60 mm       | 484030 60   |
| Setting ring DIN 2250 C Nominal size Ø 65 mm       | 484030 65   |
| Setting ring DIN 2250 C Nominal size Ø 38 mm       | 484030 38   |
| Setting ring DIN 2250 C Nominal size Ø 45 mm       | 484030 45   |
| Setting ring DIN 2250 C Nominal size Ø 20 mm       | 484030 20   |
| Inductive precision comparator Extramess Type 2001 | 434670 2001 |