



## Internal precision bore gauge, carbide, without dial indicator SU, Measuring range: 50-100 mm



### Order data

Order number	435050 50-100
GTIN	2050001046581
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: C4

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

Measurement depth: 180 mm

Number of contact points: 11

Number of measuring discs: 3  
Centring plate width: 45 mm

## Technical description

Number of measuring discs	3
Measurement depth	180 mm
Measuring range	50 - 100 mm
Number of contact points	11
Repetition accuracy without dial gauge	0.5 µm
Centring plate width	45 mm
Packaging	sturdy box
Calibration	C4
Type of product	2-point precision bore gauge

## Services

Calibration Precision bore gauge (types B + C) maximum measuring range 160 mm	013520 160
Labelling laser-etched Type	018940
Calibration Precision bore gauge (types B + C) maximum measuring range 160 mm	023210 160

## Accessories

Setting ring DIN 2250 C Nominal size Ø 70 mm	484030 70
Extension for measuring probe Length L 10 mm	434920 10
Inductive precision comparator Extramess Type 2001	434670 2001
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 60 mm	435096 60
Measuring depth extension Length 1500 mm	435142 1500
Measuring range extension Length 50 mm	435143 50
Setting ring DIN 2250 C Nominal size Ø 80 mm	484030 80

Setting ring DIN 2250 C Nominal size Ø 55 mm	484030 55
Measuring depth extension Length 2000 mm	435142 2000
Adapter for two-point bore gauges 1 piece Type 35-90	439914 35-90
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 95 mm	435086 95
Measuring depth extension Length 750 mm	435142 750
Precision dial comparator ± measuring range / reading 50/1 µm	434674 50/1
Setting ring for measuring range 50 – 100 Thickness 2,5 mm	435109 2,5
Setting ring DIN 2250 C Nominal size Ø 90 mm	484030 90
Dial indicator with anticlockwise scale Measuring range 10 mm	434807 10
Setting ring for measuring range 50 – 100 Thickness 3 mm	435109 3
Setting ring DIN 2250 C Nominal size Ø 60 mm	484030 60
Setting ring DIN 2250 C Nominal size Ø 10 mm	484030 10
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 75 mm	435086 75
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 85 mm	435096 85
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 65 mm	435096 65
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 70 mm	435086 70
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 85 mm	435086 85
Setting ring DIN 2250 C Nominal size Ø 100 mm	484030 100
Steel contact point Type 16	434900 16
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 90 mm	435096 90
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 55 mm	435096 55
Setting ring DIN 2250 C Nominal size Ø 65 mm	484030 65

Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 75 mm	435096 75
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 80 mm	435096 80
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 95 mm	435096 95
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 100 mm	435096 100
Setting ring for measuring range 50 – 100 Thickness 2 mm	435109 2
Measuring depth extension Length 250 mm	435142 250
Setting ring DIN 2250 C Nominal size Ø 95 mm	484030 95
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 100 mm	435086 100
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 90 mm	435086 90
Measuring depth extension Length 1000 mm	435142 1000
Precision dial comparator ± measuring range / reading 250/10 µm	434674 250/10
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 80 mm	435086 80
Setting ring for measuring range 50 – 100 Thickness 0,5 mm	435109 0,5
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 65 mm	435086 65
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 50 mm	435096 50
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 50 mm	435086 50
Digital dial indicator 0.0005 mm reading Measuring range 12,5 mm	434322 12,5
Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 60 mm	435086 60
Measuring depth extension Length 500 mm	435142 500
Inductive precision comparator Extramess Type 2000	434670 2000

Precision dial comparator $\pm$ measuring range / reading 1500/50 $\mu\text{m}$	434674 1500/50
Precision dial comparator $\pm$ measuring range / reading 25/0,5 $\mu\text{m}$	434674 25/0,5
Setting ring DIN 2250 C Nominal size $\varnothing$ 75 mm	484030 75
Setting ring DIN 2250 C Nominal size $\varnothing$ 50 mm	484030 50
Precision dial comparator $\pm$ measuring range / reading 130/5 $\mu\text{m}$	434674 130/5
Measuring pins for measuring range 50 – 100 mm Steel Measuring $\varnothing$ 55 mm	435086 55
Setting ring for measuring range 50 – 100 Thickness 1 mm	435109 1
Measuring pins for measuring range 50 – 100 mm Carbide Measuring $\varnothing$ 70 mm	435096 70
Setting ring for measuring range 50 – 100 Thickness 1,5 mm	435109 1,5
Setting ring DIN 2250 C Nominal size $\varnothing$ 85 mm	484030 85
Inductive precision comparator Extramess Type 2100	434670 2100