



## Internal precision bore gauge, carbide, without dial indicator SU, Measuring range: 12-20 mm



### Order data

Order number	435050 12-20
GTIN	2050001047991
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: 110 mm

Number of contact points: 9

Number of measuring discs: 1  
Centring plate width: 9 mm

## Technical description

Repetition accuracy without dial gauge	0.5 µm
Number of measuring discs	1
Measurement depth	110 mm
Number of contact points	9
Measuring range	12 - 20 mm
Centring plate width	9 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 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 16 mm	484030 16
Setting ring for measuring range 12 – 20 Thickness 0,5 mm	435106 0,5
Setting ring DIN 2250 C Nominal size Ø 10 mm	484030 10
Measuring pins for measuring range 12 – 20 mm Carbide Measuring Ø 14 mm	435093 14

Measuring depth extension Length 1500 mm	435142 1500
Precision dial comparator $\pm$ measuring range / reading 50/1 $\mu\text{m}$	434674 50/1
Setting ring DIN 2250 C Nominal size $\varnothing$ 17 mm	484030 17
Setting ring DIN 2250 C Nominal size $\varnothing$ 19 mm	484030 19
Setting ring DIN 2250 C Nominal size $\varnothing$ 18 mm	484030 18
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 16 mm	435093 16
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 13 mm	435093 13
Setting ring DIN 2250 C Nominal size $\varnothing$ 15 mm	484030 15
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 17 mm	435093 17
Inductive precision comparator Extramess Type 2100	434670 2100
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 20 mm	435093 20
Inductive precision comparator Extramess Type 2001	434670 2001
Setting ring DIN 2250 C Nominal size $\varnothing$ 13 mm	484030 13
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 15 mm	435093 15
Setting ring DIN 2250 C Nominal size $\varnothing$ 12 mm	484030 12
Measuring depth extension Length 500 mm	435142 500
Steel contact point Type 16	434900 16
Precision dial comparator $\pm$ measuring range / reading 130/5 $\mu\text{m}$	434674 130/5
Measuring depth extension Length 250 mm	435142 250
Precision dial comparator $\pm$ measuring range / reading 25/0,5 $\mu\text{m}$	434674 25/0,5
Precision dial comparator $\pm$ measuring range / reading 250/10 $\mu\text{m}$	434674 250/10
Setting ring DIN 2250 C Nominal size $\varnothing$ 14 mm	484030 14
Setting ring DIN 2250 C Nominal size $\varnothing$ 20 mm	484030 20

Inductive precision comparator Extramess Type 2000	434670 2000
Measuring depth extension Length 1000 mm	435142 1000
Setting ring for measuring range 12 – 20 Thickness 1 mm	435106 1
Measuring depth extension Length 2000 mm	435142 2000
Digital dial indicator 0.0005 mm reading Measuring range 12,5 mm	434322 12,5
Dial indicator with anticlockwise scale Measuring range 10 mm	434807 10
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 12 mm	435093 12
Precision dial comparator $\pm$ measuring range / reading 1500/50 $\mu$ m	434674 1500/50
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 19 mm	435093 19
Extension for measuring probe Length L 10 mm	434920 10
Measuring pins for measuring range 12 – 20 mm Carbide Measuring $\varnothing$ 18 mm	435093 18
Measuring depth extension Length 750 mm	435142 750