



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



Order data

Order number	435040 50-100
GTIN	2050001047977
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 **of steel**.

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 μm

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
Measuring range	50 - 100 mm
Repetition accuracy without dial gauge	0.5 µm
Measurement depth	180 mm
Number of contact points	11
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 100 mm	484030 100
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
Inductive precision comparator Extramess Type 2001	434670 2001
Setting ring DIN 2250 C Nominal size Ø 80 mm	484030 80
Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 90 mm	435096 90
	435109 0,5

Setting ring for measuring range 50 – 100 Thickness 0,5 mm

Setting ring DIN 2250 C Nominal size Ø 60 mm

484030 60

Precision dial comparator ± measuring range / reading 250/10 µm

434674 250/10

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 75 mm

435086 75

Setting ring DIN 2250 C Nominal size Ø 75 mm

484030 75

Measuring pins for measuring range 50 – 100 mm Carbide
Measuring Ø 60 mm

435096 60

Measuring pins for measuring range 50 – 100 mm Carbide
Measuring Ø 65 mm

435096 65

Setting ring DIN 2250 C Nominal size Ø 90 mm

484030 90

Measuring pins for measuring range 50 – 100 mm Carbide
Measuring Ø 85 mm

435096 85

Precision dial comparator ± measuring range / reading 1500/50 µm

434674 1500/50

Setting ring DIN 2250 C Nominal size Ø 95 mm

484030 95

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 85 mm

435086 85

Precision dial comparator ± measuring range / reading 50/1 µm

434674 50/1

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 65 mm

435086 65

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 55 mm

435086 55

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 95 mm

435086 95

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 50 mm

435086 50

Setting ring for measuring range 50 – 100 Thickness 1 mm

435109 1

435086 90

Measuring pins for measuring range 50 – 100 mm Steel
Measuring Ø 90 mm

Extension for measuring probe Length L 10 mm	434920 10
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Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 100 mm	435086 100
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Inductive precision comparator Extramess Type 2000	434670 2000
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Steel contact point Type 16	434900 16
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Setting ring DIN 2250 C Nominal size Ø 70 mm	484030 70
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 70 mm	435096 70
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Measuring depth extension Length 500 mm	435142 500
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Setting ring DIN 2250 C Nominal size Ø 85 mm	484030 85
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Inductive precision comparator Extramess Type 2100	434670 2100
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 95 mm	435096 95
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 100 mm	435096 100
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Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 60 mm	435086 60
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Adapter for two-point bore gauges 1 piece Type 35-90	439914 35-90
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 80 mm	435096 80
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Setting ring DIN 2250 C Nominal size Ø 50 mm	484030 50
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 75 mm	435096 75
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Setting ring DIN 2250 C Nominal size Ø 55 mm	484030 55
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Precision dial comparator ± measuring range / reading 130/5 µm	434674 130/5
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Measuring pins for measuring range 50 – 100 mm Carbide Measuring Ø 50 mm	435096 50
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Measuring pins for measuring range 50 – 100 mm Steel Measuring Ø 80 mm	435086 80
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	434674 25/0,5
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Precision dial comparator \pm measuring range / reading
25/0,5 μm
