



Bore plug gauge for blind holes OD, Sleeve Ø D: 60-80mm



Order data

Order number	435158 60-80
GTIN	2050001676993
Item class	46D

Description

Version:

OD bore plug gauges are mechanical two-point dial bore plug gauges for highest requirements. Hardened gauging sleeve. For bores of 3 – 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 3 – 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 500), 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 with larger radius as well as in ruby, ceramic and DLC-coated are available.**

Technical description

Gauging force	2 N
Repetition accuracy	1.5 µm
Sleeve dimension H	33 mm
Face dimension h	1.2 mm
Quality	8 mm
Quality	7 mm
Quality	12 mm
Quality	6 mm
Quality	9 mm
Quality	10 mm
Quality	11 mm
Quality	13 mm
Tolerance zone	V
Tolerance zone	U
Tolerance zone	T
Tolerance zone	S
Tolerance zone	B
Tolerance zone	R
Tolerance zone	P
Tolerance zone	N
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	F
Tolerance zone	E
Tolerance zone	EF
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	60 - 80 mm
Calibration	C4
Type of product	Bore gauge micrometer head

Services

Calibration Precision bore gauge (types B + C) maximum measuring range 160 mm

023210 160

Accessories

Setting ring DIN 2250 C Nominal size \varnothing 70 mm

484030 70

434674 250/10

Precision dial comparator \pm measuring range / reading
250/10 μm

Holder for plug gaugeOD Holder length 50 mm

435160 50

Precision dial comparator \pm measuring range / reading
50/1 μm

434674 50/1

Steel contact point Type 16

434900 16

Extension for contact points Length L 10 mm

434920 10

Setting ringDIN 2250 C Nominal size \varnothing 60 mm

484030 60

Precision dial comparator \pm measuring range / reading
25/0,5 μm

434674 25/0,5

Holder for plug gaugeOD Holder length 235 mm

435160 235

Setting ringDIN 2250 C Nominal size \varnothing 65 mm

484030 65

Setting ringDIN 2250 C Nominal size \varnothing 75 mm

484030 75

Setting ringDIN 2250 C Nominal size \varnothing 80 mm

484030 80

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

434674 130/5

Inductive precision comparator Extramess Type 2001

434670 2001

Holder for plug gaugeOD Holder length 105 mm

435160 105