



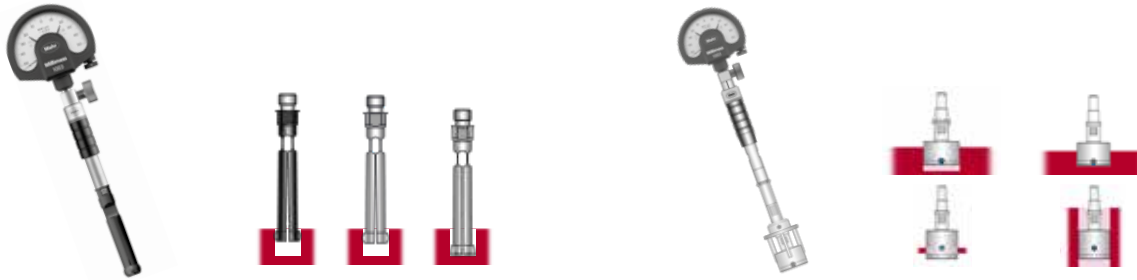
Marameter | Indicating Bore Gages



Marameter

Families 844 K and 844 D

COMPLETE METALWORKING SOLUTIONS
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Marameter Indicating Bore Gages 09/2021

Self-centering bore gages and accessories

844 K Inside measuring probes determine diameter by finding reversal point.

844 D Indicating plug gages determine diameter values reliably, precisely and directly.

Marameter

Indicating Bore Gages



Marameter | Self-centering inner measuring device 844 K

Indicating bore measurement in high precision



Marameter | Modular System

Overview Marameter 844 K **4**

Marameter 844 KC, Sets in case with DLC coating **6**

Marameter 844 K, Sets in case, standard design **8**

Marameter 844 KS, Sets in case for blind hole measuring **10**

Marameter 844 KM, Measuring stand and accessories **12**

Marameter 844 KCK / 844 Kk / 844 KSk – Inside probes single **14**

Overview Modular System **20**

Marameter 844 Kg / 844 Kga / 844 Kgz – Holders **21**

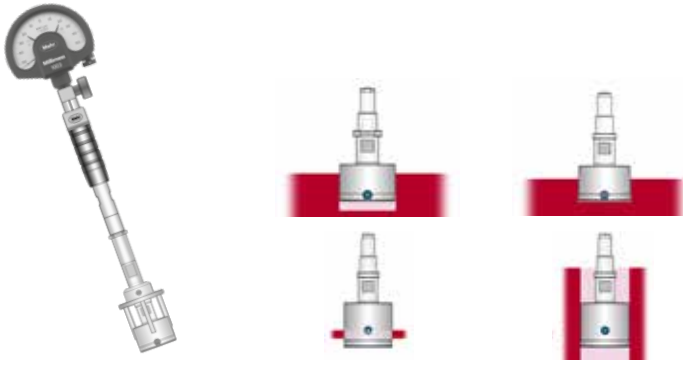
Marameter 844 Kv – Extensions for measuring depth **22**

Marameter 844 Kw – Angle attachment 90° **23**

Marameter 844 Ke – Setting rings **24**

Marameter | Indicating Bore Gages 844 D

Indicating bore gages for highest precision



| | |
|--|-----------|
| Overview Marameter 844 D | 26 |
| Marameter 844 D – Standard model | 28 |
| Marameter 844 DR – For through holes and narrow parts | 29 |
| Marameter 844 DS – For blind holes | 30 |
| Marameter Variants | |
| 844 D-C / 844 DR-C / 844 DS-C – Measuring surfaces hard chrome-plated | 31 |
| 844 D-R / 844 DR-R / 844 DS-R – Measuring surfaces ruby-tipped | 34 |
| 844 D-D / 844 DR-D – Measuring surfaces diamond-tipped | 37 |
| 844 D-FD / 844 DR-FD – Measuring contacts with customer-specified location “e” | 39 |
| 844 D-M / 844 DR-M / 844 DS-M – With extended measuring range | 41 |
| 844 D-HR / 844 DR-HR / 844 DS-HR High Resolution - For very tight tolerance fields less than 10 µm | 44 |
| 844 DS-F – Only with front chamfer, for measuring very short bores | 47 |
| 844 D-3 / 844 DR-3 – With 3-point detecting (3 x 120°) | 48 |
| Modular Elements | |
| Marameter 844 Dgk / 844 Dga / 844 Dg / 844 Dg-XL – Plug gage holders | 50 |
| Marameter 844 Dge – Plug gage holders for inductive probe | 51 |
| Marameter 844 Dv – Extensions for measuring depth | 52 |
| Marameter 844 Dw – Angle attachments 90° | 53 |
| Marameter 844 Dt-xx – Depth stops | 54 |

Marameter | Self-centering inner measuring device 844 K

High-precision comparative measurements of holes

Inside measuring probes from the 844 K family are 2-point comparative measuring instruments used to determine a reversing point in a bore by oscillation. This reversal point equates to the minimum and thus the exact bore diameter.

Measuring process

The measuring value is displayed with analog dial comparators or electronic dial indicators.

Practical tip

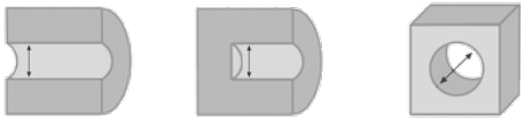
An electronic dial indicator such as type 1087 BR or 1087 BRi, offers the major advantage of being able to automatically record the reversing point using the MIN function and display an absolute measuring value on the screen thanks to the PRESET setting. In addition, you can conveniently and reliably transfer the measuring data to a PC or a CAQ system by data cable or Integrated Wireless technology.

Setting the comparative measuring instrument

Setting rings are used to set the instrument to the respective nominal size.

Typical applications of self-centering inside measuring probes

- Rapid testing of hole diameters



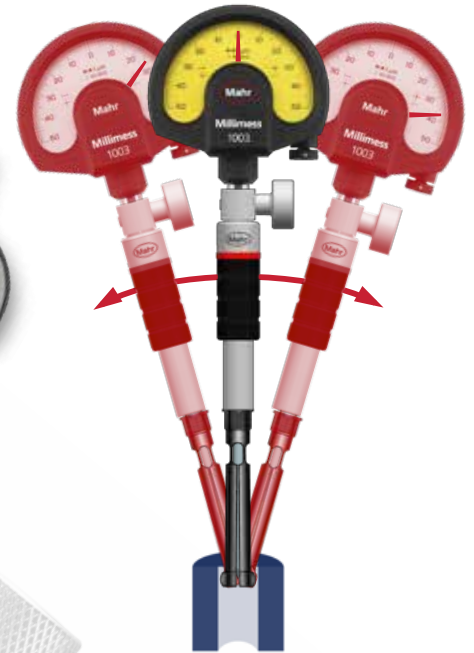
- Determining roundness and cylindricity deviations by rotating and moving to other bore depths



Special advantages

Setting rings are used to set the instrument to the respective nominal size.

- Self-centering in the hole
- Fast determination of reversing point by oscillation
- Measuring value displayed immediately
- Ideal for processing measuring values directly especially when used with digital indicating instruments



Measuring process

The reversing point (minimum value) is calculated by rocking in a bore

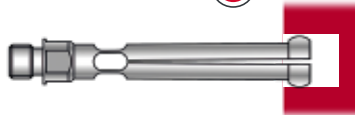


Marameter | Self-centering inner measuring device 844 K

Inside measuring probe models (split-ball probe)

844 K Standard for common hole shapes

- Split-ball probe made of hardened steel
- Hard chrome-plated measuring surfaces



844 KC for common hole shapes with DLC coating

- Split-ball probe made of hardened steel
- Measuring surfaces and inner edges coated with DLC (hard diamond-like coating)
- Enhanced wear protection and very low friction coefficients, therefore
- ideal for measurements on sensitive or abrasive surfaces
- For common hole shapes

844 KS split-ball probe for bore measurements close to the bottom of the hole

- Split-ball probe made of hardened steel
- Hard chrome plated measuring surfaces



Particular advantages of DLC coating

- **DLC coating** (diamond-like carbon)
- Extremely hard coating for **very high wear resistance**
- **Extremely low friction coefficient, thus preventing** e.g.
 - Streaking on precision-machined non-ferrous metal surfaces
 - Increased wear on abrasive materials
- DLC coating over entire measuring surfaces including inner contact point of driving needle, for **very high long-term accuracy (Linearity)**
- **Visual wear display:** Visible light spot once coating is worn
- **Excellent corrosion prevention**

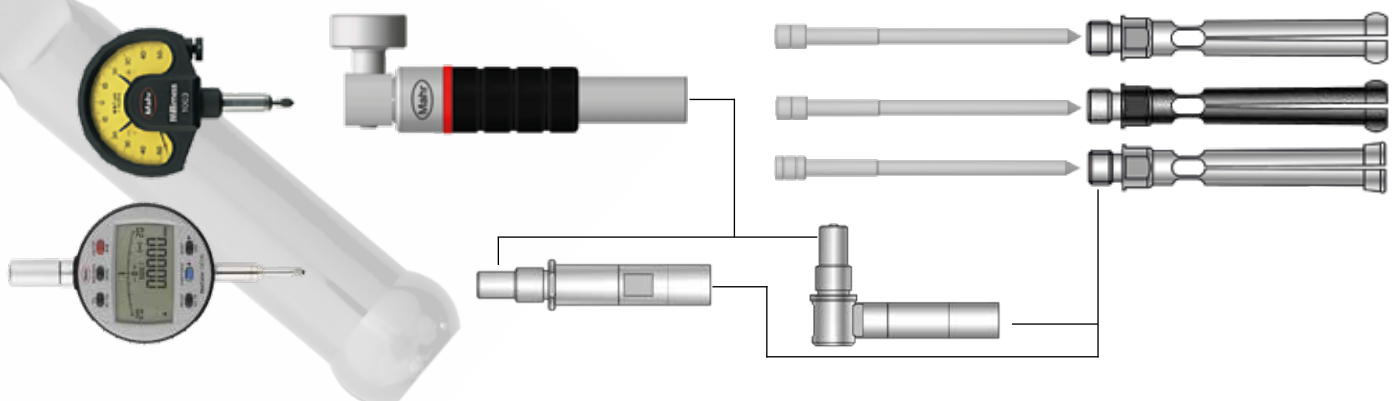
Ideal equipment for long-term accuracy

Driving needles are inserted in the probe to transfer the measuring movement of the probe head to the indicating instrument. To ensure **maximum service life** and thus



Modular system

When combined with extensive accessories (indicating instruments, inside measuring probes with driving needle, holders, extensions and right-angle attachments), inside measuring probes become precision measuring instruments customized to the measuring task.



Marameter 844 KC

Self-centering dial bore gage

FEATURES

- Measuring head made in harden steel, DLC-coated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings



Application: Standard model with DLC-coated surface

- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore



- **Benefits of DLC Coating**
 - Explanation DLC = Diamond-Like Carbon
 - Extremely high wear resistance, for long service life even on hard or abrasive surfaces
 - Reduction of friction, ideal for sensitive surfaces such as non-ferrous metals and aluminium alloys
 - Wear indicator, worn areas appear as bright spots in the dark DLC coating

- **The minimum set of a measuring instrument consists of:** Measuring head, transfer needle and holder plus indicator unit

- **Package contains:** Measuring holder 844 Kg, probe, expanding pin, wooden case, excludes indicator

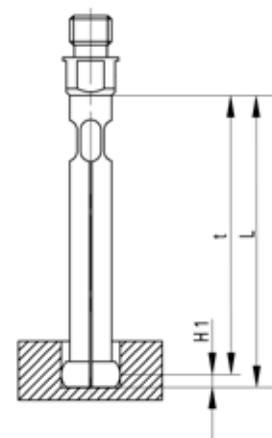
TECHNICAL DATA

| Order no. | Type | Nominal size | Individual probe measuring range | Number of measuring probes | Linearity deviation f_e | Repeatability f_w | | | | | |
|-----------|-------------|--------------|----------------------------------|----------------------------|---------------------------|---------------------|---------------------------|-------------|----|---------------------------|---|
| | | mm | mm | Piece | | μm | | | | | |
| 4473105 | 844 KC | 1,00 | 0,95 – 1,15 | 5 | 2 %, min. 1 μm | 1 | | | | | |
| | | 1,10 | 1,07 – 1,25 | | | | | | | | |
| | | 1,20 | 1,17 – 1,35 | | | | | | | | |
| | | 1,30 | 1,27 – 1,45 | | | | | | | | |
| | | 1,40 | 1,37 – 1,55 | | | | | | | | |
| 4473106 | 844 KC | 1,75 | 1,50 – 1,90 | 9 | 1 %, min. 1 μm | 1 | | | | | |
| | | 2,00 | 1,80 – 2,20 | | | | | | | | |
| | | 2,25 | 2,05 – 2,45 | | | | | | | | |
| | | 2,50 | 2,30 – 2,70 | | | | | | | | |
| | | 2,75 | 2,55 – 2,95 | | | | | | | | |
| | | 3,00 | 2,80 – 3,20 | | | | | | | | |
| | | 3,25 | 3,05 – 3,45 | | | | | | | | |
| | | 3,50 | 3,30 – 3,70 | | | | | | | | |
| | | 3,75 | 3,55 – 3,95 | | | | | | | | |
| | | 4473107 | 844 KC | | | | 4,00 | 3,70 – 4,30 | 12 | 1 %, min. 1 μm | 1 |
| 4,50 | 4,20 – 4,80 | | | | | | | | | | |
| 5,00 | 4,70 – 5,30 | | | | | | | | | | |
| 5,50 | 5,20 – 5,80 | | | | | | | | | | |
| 6,00 | 5,70 – 6,30 | | | | | | | | | | |
| 6,50 | 6,20 – 6,80 | | | | | | | | | | |
| 7,00 | 6,70 – 7,30 | | | | | | | | | | |
| 7,50 | 7,20 – 7,80 | | | | | | | | | | |
| 8,00 | 7,70 – 8,30 | | | | | | | | | | |
| 8,50 | 8,20 – 8,80 | | | | | | | | | | |
| 9,00 | 8,70 – 9,30 | | | | | | | | | | |
| 9,50 | 9,20 – 9,80 | | | | | | | | | | |
| 4473108 | 844 KC | | | 1,75 | 1,50 – 1,90 | 21 | 1 %, min. 1 μm | 1 | | | |
| | | | | 2,00 | 1,80 – 2,20 | | | | | | |
| | | 2,25 | 2,05 – 2,45 | | | | | | | | |
| | | 2,50 | 2,30 – 2,70 | | | | | | | | |
| | | 2,75 | 2,55 – 2,95 | | | | | | | | |
| | | 3,00 | 2,80 – 3,20 | | | | | | | | |
| | | 3,25 | 3,05 – 3,45 | | | | | | | | |
| | | 3,50 | 3,30 – 3,70 | | | | | | | | |
| | | 3,75 | 3,55 – 3,95 | | | | | | | | |
| | | 4,00 | 3,70 – 4,30 | | | | | | | | |
| | | 4,50 | 4,20 – 4,80 | | | | | | | | |
| | | 5,00 | 4,70 – 5,30 | | | | | | | | |
| | | 5,50 | 5,20 – 5,80 | | | | | | | | |
| | | 6,00 | 5,70 – 6,30 | | | | | | | | |
| | | 6,50 | 6,20 – 6,80 | | | | | | | | |
| 7,00 | 6,70 – 7,30 | | | | | | | | | | |
| 7,50 | 7,20 – 7,80 | | | | | | | | | | |
| 8,00 | 7,70 – 8,30 | | | | | | | | | | |
| 8,50 | 8,20 – 8,80 | | | | | | | | | | |
| 9,00 | 8,70 – 9,30 | | | | | | | | | | |
| 9,50 | 9,20 – 9,80 | | | | | | | | | | |
| 4473109 | 844 KC | 10,00 | 9,40 – 10,60 | 11 | 1 %, min. 1 μm | 1 | | | | | |
| | | 11,00 | 10,40 – 11,60 | | | | | | | | |
| | | 12,00 | 11,40 – 12,60 | | | | | | | | |
| | | 13,00 | 12,40 – 13,60 | | | | | | | | |
| | | 14,00 | 13,40 – 14,60 | | | | | | | | |
| | | 15,00 | 14,40 – 15,60 | | | | | | | | |
| | | 16,00 | 15,40 – 16,60 | | | | | | | | |
| | | 17,00 | 16,40 – 17,60 | | | | | | | | |
| | | 18,00 | 17,40 – 18,60 | | | | | | | | |
| | | 19,00 | 18,40 – 19,60 | | | | | | | | |
| | | 20,00 | 19,40 – 20,60 | | | | | | | | |

Marameter 844 KC

Self-centering dial bore gage

| Order no. | Nominal size mm | H1 mm | L mm | Measuring depth mm | Order no. | Nominal size mm | H1 mm | L mm | Measuring depth mm |
|-----------|--------------------|-------|-------|-----------------------|-----------|--------------------|-------|-------|-----------------------|
| 4473005 | 1,00 | 0,6 | 19,50 | 10,5 | 4473008 | 1,75 | 0,9 | 25,30 | 16 |
| | 1,10 | 0,6 | 19,50 | 10,5 | | 2,00 | 0,9 | 25,30 | 16 |
| | 1,20 | 0,6 | 19,50 | 10,5 | | 2,25 | 0,9 | 25,30 | 16 |
| | 1,30 | 0,6 | 19,50 | 10,5 | | 2,50 | 1,2 | 30,60 | 21 |
| | 1,40 | 0,6 | 19,50 | 10,5 | | 2,75 | 1,2 | 30,60 | 21 |
| 4473006 | 1,75 | 0,9 | 25,30 | 16 | | 3,00 | 1,2 | 30,60 | 21 |
| | 2,00 | 0,9 | 25,30 | 16 | | 3,25 | 1,2 | 30,60 | 21 |
| | 2,25 | 0,9 | 25,30 | 16 | | 3,50 | 1,2 | 30,60 | 21 |
| | 2,50 | 1,2 | 30,60 | 21 | | 3,75 | 1,2 | 30,60 | 21 |
| | 2,75 | 1,2 | 30,60 | 21 | | 4,00 | 2,0 | 47,30 | 38 |
| | 3,00 | 1,2 | 30,60 | 21 | | 4,50 | 2,0 | 47,30 | 38 |
| | 3,25 | 1,2 | 30,60 | 21 | | 5,00 | 2,0 | 47,30 | 38 |
| | 3,50 | 1,2 | 30,60 | 21 | | 5,50 | 2,0 | 47,30 | 38 |
| 3,75 | 1,2 | 30,60 | 21 | 6,00 | | 2,0 | 47,30 | 38 | |
| 4473007 | 4,00 | 2,0 | 47,30 | 38 | | 6,50 | 2,0 | 47,30 | 38 |
| | 4,50 | 2,0 | 47,30 | 38 | 7,00 | 2,0 | 47,30 | 38 | |
| | 5,00 | 2,0 | 47,30 | 38 | 7,50 | 2,0 | 47,30 | 38 | |
| | 5,50 | 2,0 | 47,30 | 38 | 8,00 | 2,0 | 47,30 | 38 | |
| | 6,00 | 2,0 | 47,30 | 38 | 8,50 | 2,0 | 47,30 | 38 | |
| | 6,50 | 2,0 | 47,30 | 38 | 9,00 | 2,0 | 47,30 | 38 | |
| | 7,00 | 2,0 | 47,30 | 38 | 9,50 | 2,0 | 47,30 | 38 | |
| | 7,50 | 2,0 | 47,30 | 38 | 4473009 | 10,00 | 3,3 | 48,50 | 45 |
| | 8,00 | 2,0 | 47,30 | 38 | | 11,00 | 3,3 | 48,50 | 45 |
| | 8,50 | 2,0 | 47,30 | 38 | | 12,00 | 3,3 | 48,50 | 45 |
| | 9,00 | 2,0 | 47,30 | 38 | | 13,00 | 3,3 | 48,50 | 45 |
| 9,50 | 2,0 | 47,30 | 38 | 14,00 | | 3,3 | 48,50 | 45 | |
| | | | | 15,00 | | 3,3 | 48,50 | 45 | |
| | | | | 16,00 | | 3,3 | 48,50 | 45 | |
| | | | | 17,00 | 3,3 | 48,50 | 45 | | |
| | | | | 18,00 | 3,3 | 48,50 | 45 | | |
| | | | | 19,00 | 3,3 | 48,50 | 45 | | |
| | | | | 20,00 | 3,3 | 48,50 | 45 | | |



ACCESSORIES

| Order no. | Description | Type |
|-----------|---|----------|
| 4333000 | Millimess 5 μm , \pm 130 μm | 1004 |
| 4334000 | Millimess 1 μm , \pm 50 μm | 1003 |
| 4335000 | Millimess 0,5 μm , \pm 25 μm | 1002 |
| 4337662 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BR |
| 4337664 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BRi |
| 4473375 | 844 Ke Setting rings in Set for measuring range 1 –1,4 mm | 844 Ke |
| 4473400 | 844 Kg Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kg |
| 4473401 | 844 Kga Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kga |
| 4473402 | 844 Kgz Holder for indicator, \varnothing .375" / M6 x 0.75 | 844 Kgz |
| 4473405 | 844 Kv Extension for measuring depth, length 50 mm | 844 Kv |
| 4473406 | 844 Kv Extension for measuring depth, length 100 mm | 844 Kv |
| 4473407 | 844 Kv Extension for measuring depth, length 250 mm | 844 Kv |
| 4473409 | 844 Kw Angle attachment 90°, M6 x 0.75 | 844 Kw |
| 4473376 | 844 Ke Setting rings in Set for measuring range 1,75 –3,75 mm | 844 Ke |
| 4473377 | 844 Ke Setting rings in Set for measuring range 4 –9,5 mm | 844 Ke |
| 4473378 | 844 Ke Setting rings in Set for measuring range 1,75 –9,5 mm | 844 Ke |
| 4473379 | 844 Ke Setting rings in Set for measuring range 10 –20 mm | 844 Ke |



Marameter 844 K

Self-centering dial bore gage

FEATURES

- Measuring head made of hardened steel, hard chrome plated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings
- The minimum set of a measuring instrument consists of: Measuring head, transfer needle and holder plus indicator unit
- Package contains: Measuring holder 844 Kg, probe, expanding pin, wooden case, excludes indicator



Application: Standard model

- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore



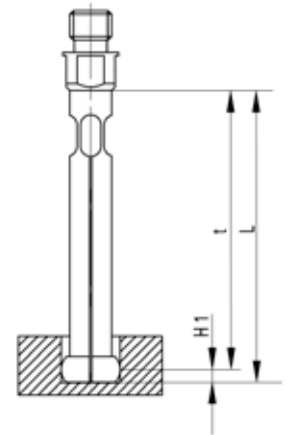
TECHNICAL DATA

| Order no. | Type | Nominal size | Individual probe measuring range | Number of measuring probes | Linearity deviation f_e | Repeatability f_w |
|-----------|-------------|--------------|----------------------------------|----------------------------|---------------------------|---------------------|
| | | mm | mm | Piece | | μm |
| 4473005 | 844 K | 1,00 | 0,95 - 1,15 | 5 | 2 %, min. 1 μm | 1 |
| | | 1,10 | 1,07 - 1,25 | | | |
| | | 1,20 | 1,17 - 1,35 | | | |
| | | 1,30 | 1,27 - 1,45 | | | |
| | | 1,40 | 1,37 - 1,55 | | | |
| 4473006 | 844 K | 1,75 | 1,50 - 1,90 | 9 | 1 %, min. 1 μm | 1 |
| | | 2,00 | 1,80 - 2,20 | | | |
| | | 2,25 | 2,05 - 2,45 | | | |
| | | 2,50 | 2,30 - 2,70 | | | |
| | | 2,75 | 2,55 - 2,95 | | | |
| | | 3,00 | 2,80 - 3,20 | | | |
| | | 3,25 | 3,05 - 3,45 | | | |
| | | 3,50 | 3,30 - 3,70 | | | |
| | | 3,75 | 3,55 - 3,95 | | | |
| 4473007 | 844 K | 4,00 | 3,70 - 4,30 | 12 | 1 %, min. 1 μm | 1 |
| | | 4,50 | 4,20 - 4,80 | | | |
| | | 5,00 | 4,70 - 5,30 | | | |
| | | 5,50 | 5,20 - 5,80 | | | |
| | | 6,00 | 5,70 - 6,30 | | | |
| | | 6,50 | 6,20 - 6,80 | | | |
| | | 7,00 | 6,70 - 7,30 | | | |
| | | 7,50 | 7,20 - 7,80 | | | |
| | | 8,00 | 7,70 - 8,30 | | | |
| | | 8,50 | 8,20 - 8,80 | | | |
| | | 9,00 | 8,70 - 9,30 | | | |
| | | 9,50 | 9,20 - 9,80 | | | |
| | | 4473008 | 844 K | | | |
| 2,00 | 1,80 - 2,20 | | | | | |
| 2,25 | 2,05 - 2,45 | | | | | |
| 2,50 | 2,30 - 2,70 | | | | | |
| 2,75 | 2,55 - 2,95 | | | | | |
| 3,00 | 2,80 - 3,20 | | | | | |
| 3,25 | 3,05 - 3,45 | | | | | |
| 3,50 | 3,30 - 3,70 | | | | | |
| 3,75 | 3,55 - 3,95 | | | | | |
| 4,00 | 3,70 - 4,30 | | | | | |
| 4,50 | 4,20 - 4,80 | | | | | |
| 5,00 | 4,70 - 5,30 | | | | | |
| 5,50 | 5,20 - 5,80 | | | | | |
| 6,00 | 5,70 - 6,30 | | | | | |
| 6,50 | 6,20 - 6,80 | | | | | |
| 7,00 | 6,70 - 7,30 | | | | | |
| 7,50 | 7,20 - 7,80 | | | | | |
| 8,00 | 7,70 - 8,30 | | | | | |
| 8,50 | 8,20 - 8,80 | | | | | |
| 9,00 | 8,70 - 9,30 | | | | | |
| 9,50 | 9,20 - 9,80 | | | | | |
| 4473009 | 844 K | 10,00 | 9,40 - 10,60 | 11 | 1 %, min. 1 μm | 1 |
| | | 11,00 | 10,40 - 11,60 | | | |
| | | 12,00 | 11,40 - 12,60 | | | |
| | | 13,00 | 12,40 - 13,60 | | | |
| | | 14,00 | 13,40 - 14,60 | | | |
| | | 15,00 | 14,40 - 15,60 | | | |
| | | 16,00 | 15,40 - 16,60 | | | |
| | | 17,00 | 16,40 - 17,60 | | | |
| | | 18,00 | 17,40 - 18,60 | | | |
| | | 19,00 | 18,40 - 19,60 | | | |
| | | 20,00 | 19,40 - 20,60 | | | |

Marameter 844 K

Self-centering dial bore gage

| Order no. | Nominal size mm | H1 mm | L mm | Measuring depth mm | Order no. | Nominal size mm | H1 mm | L mm | Measuring depth mm |
|-----------|--------------------|-------|-------|-----------------------|-----------|--------------------|-------|-------|-----------------------|
| 4473005 | 1,00 | 0,6 | 19,50 | 10,5 | 4473008 | 1,75 | 0,9 | 25,30 | 16 |
| | 1,10 | 0,6 | 19,50 | 10,5 | | 2,00 | 0,9 | 25,30 | 16 |
| | 1,20 | 0,6 | 19,50 | 10,5 | | 2,25 | 0,9 | 25,30 | 16 |
| | 1,30 | 0,6 | 19,50 | 10,5 | | 2,50 | 1,2 | 30,60 | 21 |
| | 1,40 | 0,6 | 19,50 | 10,5 | | 2,75 | 1,2 | 30,60 | 21 |
| 4473006 | 1,75 | 0,9 | 25,30 | 16 | | 3,00 | 1,2 | 30,60 | 21 |
| | 2,00 | 0,9 | 25,30 | 16 | | 3,25 | 1,2 | 30,60 | 21 |
| | 2,25 | 0,9 | 25,30 | 16 | | 3,50 | 1,2 | 30,60 | 21 |
| | 2,50 | 1,2 | 30,60 | 21 | | 3,75 | 1,2 | 30,60 | 21 |
| | 2,75 | 1,2 | 30,60 | 21 | | 4,00 | 2,0 | 47,30 | 38 |
| | 3,00 | 1,2 | 30,60 | 21 | | 4,50 | 2,0 | 47,30 | 38 |
| | 3,25 | 1,2 | 30,60 | 21 | | 5,00 | 2,0 | 47,30 | 38 |
| | 3,50 | 1,2 | 30,60 | 21 | | 5,50 | 2,0 | 47,30 | 38 |
| 3,75 | 1,2 | 30,60 | 21 | 6,00 | | 2,0 | 47,30 | 38 | |
| 4473007 | 4,00 | 2,0 | 47,30 | 38 | | 6,50 | 2,0 | 47,30 | 38 |
| | 4,50 | 2,0 | 47,30 | 38 | 7,00 | 2,0 | 47,30 | 38 | |
| | 5,00 | 2,0 | 47,30 | 38 | 7,50 | 2,0 | 47,30 | 38 | |
| | 5,50 | 2,0 | 47,30 | 38 | 8,00 | 2,0 | 47,30 | 38 | |
| | 6,00 | 2,0 | 47,30 | 38 | 8,50 | 2,0 | 47,30 | 38 | |
| | 6,50 | 2,0 | 47,30 | 38 | 9,00 | 2,0 | 47,30 | 38 | |
| | 7,00 | 2,0 | 47,30 | 38 | 9,50 | 2,0 | 47,30 | 38 | |
| | 7,50 | 2,0 | 47,30 | 38 | 4473009 | 10,00 | 3,3 | 48,50 | 45 |
| | 8,00 | 2,0 | 47,30 | 38 | | 11,00 | 3,3 | 48,50 | 45 |
| | 8,50 | 2,0 | 47,30 | 38 | | 12,00 | 3,3 | 48,50 | 45 |
| | 9,00 | 2,0 | 47,30 | 38 | | 13,00 | 3,3 | 48,50 | 45 |
| 9,50 | 2,0 | 47,30 | 38 | 14,00 | | 3,3 | 48,50 | 45 | |
| | | | | 15,00 | | 3,3 | 48,50 | 45 | |
| | | | | 16,00 | | 3,3 | 48,50 | 45 | |
| | | | | 17,00 | 3,3 | 48,50 | 45 | | |
| | | | | 18,00 | 3,3 | 48,50 | 45 | | |
| | | | | 19,00 | 3,3 | 48,50 | 45 | | |
| | | | | 20,00 | 3,3 | 48,50 | 45 | | |



ACCESSORIES

| Order no. | Description | Type |
|-----------|---|----------|
| 4333000 | Millimess 5 μm , \pm 130 μm | 1004 |
| 4334000 | Millimess 1 μm , \pm 50 μm | 1003 |
| 4335000 | Millimess 0,5 μm , \pm 25 μm | 1002 |
| 4337662 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BR |
| 4337664 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BRi |
| 4473375 | 844 Ke Setting rings in Set for measuring range 1 –1,4 mm | 844 Ke |
| 4473400 | 844 Kg Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kg |
| 4473401 | 844 Kga Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kga |
| 4473402 | 844 KgZ Holder for indicator, \varnothing .375" / M6 x 0.75 | 844 KgZ |
| 4473405 | 844 Kv Extension for measuring depth, length 50 mm | 844 Kv |
| 4473406 | 844 Kv Extension for measuring depth, length 100 mm | 844 Kv |
| 4473407 | 844 Kv Extension for measuring depth, length 250 mm | 844 Kv |
| 4473409 | 844 Kw Angle attachment 90°, M6 x 0.75 | 844 Kw |
| 4473376 | 844 Ke Setting rings in Set for measuring range 1,75 –3,75 mm | 844 Ke |
| 4473377 | 844 Ke Setting rings in Set for measuring range 4 –9,5 mm | 844 Ke |
| 4473378 | 844 Ke Setting rings in Set for measuring range 1,75 –9,5 mm | 844 Ke |
| 4473379 | 844 Ke Setting rings in Set for measuring range 10 –20 mm | 844 Ke |

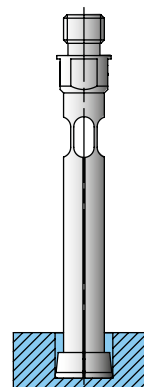


Marameter 844 KS

Self-centering dial bore gage

FEATURES

- Measuring head made of hardened steel, hard chrome plated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings



- The minimum set of a measuring instrument consists of: Measuring head, transfer needle and holder plus indicator unit

Package contains: Measuring holder 844 Kg, probe, expanding pin, wooden case, excludes indicator

Application:

Model for Blind Holes

- For measurements near to the bottom of bores
- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore

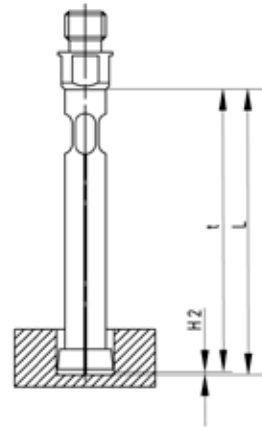
TECHNICAL DATA

| Order no. | Type | Nominal size | Individual probe measuring range | Number of measuring probes | Linearity deviation f_e | Repeatability f_w |
|-----------|--------|--------------|----------------------------------|----------------------------|---------------------------|---------------------|
| | | mm | mm | Piece | | μm |
| 4473207 | 844 KS | 4,00 | 3,70 – 4,30 | 12 | 1 %, min. 1 μm | 1 |
| | | 4,50 | 4,20 – 4,80 | | | |
| | | 5,00 | 4,70 – 5,30 | | | |
| | | 5,50 | 5,20 – 5,80 | | | |
| | | 6,00 | 5,70 – 6,30 | | | |
| | | 6,50 | 6,20 – 6,80 | | | |
| | | 7,00 | 6,70 – 7,30 | | | |
| | | 7,50 | 7,20 – 7,80 | | | |
| | | 8,00 | 7,70 – 8,30 | | | |
| | | 8,50 | 8,20 – 8,80 | | | |
| | | 9,00 | 8,70 – 9,30 | | | |
| | | 9,50 | 9,20 – 9,80 | | | |
| 4473209 | 844 KS | 10,00 | 9,40 – 10,60 | 11 | 1 %, min. 1 μm | 1 |
| | | 11,00 | 10,40 – 11,60 | | | |
| | | 12,00 | 11,40 – 12,60 | | | |
| | | 13,00 | 12,40 – 13,60 | | | |
| | | 14,00 | 13,40 – 14,60 | | | |
| | | 15,00 | 14,40 – 15,60 | | | |
| | | 16,00 | 15,40 – 16,60 | | | |
| | | 17,00 | 16,40 – 17,60 | | | |
| | | 18,00 | 17,40 – 18,60 | | | |
| | | 19,00 | 18,40 – 19,60 | | | |
| | | 20,00 | 19,40 – 20,60 | | | |

Marameter 844 KS

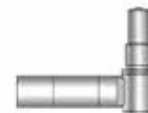
Self-centering dial bore gage

| Order no. | Nominal size mm | H1 mm | L mm | Measuring depth mm |
|-----------|-----------------|-------|--------------|--------------------|
| 4473207 | 4,00 | 0,5 | 47,30 | 38 |
| | 4,50 | 0,5 | 47,30 | 38 |
| | 5,00 | 0,5 | 47,30 | 38 |
| | 5,50 | 0,5 | 47,30 | 38 |
| | 6,00 | 0,5 | 47,30 | 38 |
| | 6,50 | 0,5 | 47,30 | 38 |
| | 7,00 | 0,5 | 47,30 | 38 |
| | 7,50 | 0,5 | 47,30 <td 38 | |
| | 8,00 | 0,5 | 47,30 | 38 |
| | 8,50 | 1,0 | 48,50 | 45 |
| | 9,00 | 1,0 | 48,50 | 45 |
| 9,50 | 1,0 | 48,50 | 45 | |
| 4473209 | 10,00 | 1,0 | 48,50 | 45 |
| | 11,00 | 1,0 | 48,50 | 45 |
| | 12,00 | 1,0 | 48,50 | 45 |
| | 13,00 | 1,0 | 48,50 | 45 |
| | 14,00 | 1,0 | 48,50 | 45 |
| | 15,00 | 1,0 | 48,50 | 45 |
| | 16,00 | 1,0 | 48,50 | 45 |
| | 17,00 | 1,0 | 48,50 | 45 |
| | 18,00 | 1,0 | 48,50 | 45 |
| | 19,00 | 1,0 | 48,50 | 45 |
| | 20,00 | 1,0 | 48,50 | 45 |



ACCESSORIES

| Order no. | Description | Type |
|-----------|---|----------|
| 4333000 | Millimess 5 μm , \pm 130 μm | 1004 |
| 4334000 | Millimess 1 μm , \pm 50 μm | 1003 |
| 4335000 | Millimess 0,5 μm , \pm 25 μm | 1002 |
| 4337662 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BR |
| 4337664 | Digital indicator, 0,0005 mm, 12,5 mm | 1087 BRi |
| 4473400 | 844 Kg Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kg |
| 4473401 | 844 Kga Holder for indicator, \varnothing 8 mm / M6 x 0.75 | 844 Kga |
| 4473402 | 844 Kgz Holder for indicator, \varnothing .375" / M6 x 0.75 | 844 Kgz |
| 4473405 | 844 Kv Extension for measuring depth, length 50 mm | 844 Kv |
| 4473406 | 844 Kv Extension for measuring depth, length 100 mm | 844 Kv |
| 4473407 | 844 Kv Extension for measuring depth, length 250 mm | 844 Kv |
| 4473409 | 844 Kw Angle attachment 90°, M6 x 0.75 | 844 Kw |
| 4473377 | 844 Ke Setting rings in Set for measuring range 4 –9,5 mm | 844 Ke |
| 4473379 | 844 Ke Setting rings in Set for measuring range 10 –20 mm | 844 Ke |



Marameter 844 KM

Measuring stand

FEATURES

Measuring stand with practical equipment:

- High measuring column with large adjustment range
- Stop ring for measuring height, ideal when changing probes
- Large stroke for probe lowering
- Depth stop for stroke limitation
- Large measuring table (Ø 120 mm) with dust grooves and 4 threaded holes for the individual mounting of a prismatic stop 844 KMp
- Adjustment element for device holder 844 Kg / 844 Kga / 844 Kgz with shaft Ø 10 mm
- Additional mounting Ø 8 mm for optional dial gage as measuring depth indicator.



Application:

Ideal for production testing with 844 Kxx inside measuring probes, eliminates need for rocking to find reversal point

TECHNICAL DATA

| Order no. | Throat depth | Stroke | Max. object height | Table diameter | Type |
|-----------|--------------|----------|----------------------|----------------|--------|
| 4473420 | mm 90 | mm 50 | mm approx. 150 mm | 120 | 844 KM |

Marameter 844 KM

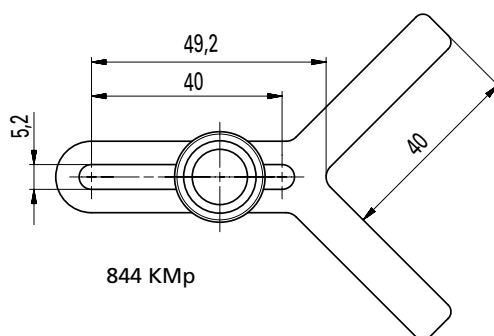
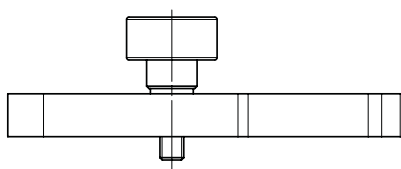
Measuring stand

ACCESSORIES

| Order no. | Description | Type |
|-----------|---|---------|
| 4473425 | Floating holder for measuring stand 844 KM, incl. 2 bushings to clamp shaft \varnothing 10 mm and \varnothing 11,9 mm | 844 KMs |
| 4473426 | Prismatic stop incl. knurled clamping screw for measuring table 844 KM | 844 KMp |



844 KMs



Marameter 844 KCK

Inside measuring probe

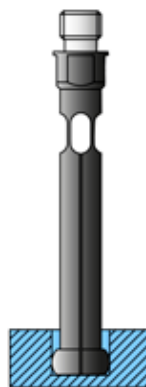
FEATURES

- Measuring head made in harden steel, DLC-coated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings

• Benefits of DLC Coating

- Explanation DLC = Diamond-Like Carbon
- Extremely high wear resistance, for long service life even on hard or abrasive surfaces
- Reduction of friction, ideal for sensitive surfaces such as non-ferrous metals and aluminium alloys
- Wear indicator, worn areas appear as bright spots in the dark DLC coating

- The minimum set of a measuring instrument consists of: Measuring head, transfer needle and holder plus indicator unit



Application:

Standard form with extremely wear resistant DLC-coated surface, ideal also for scratch-sensitive surfaces

- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore

TECHNICAL DATA

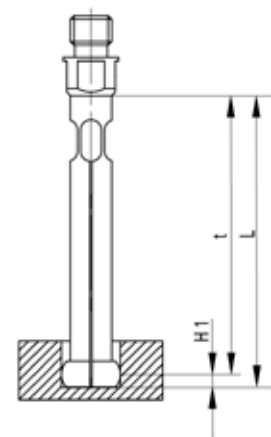
| Order no. | Type | Nominal size mm | Measuring range mm | Measuring depth mm | Design | Measuring surface |
|-----------|---------|--------------------|-----------------------|-----------------------|--------------------------|-------------------|
| 4473130 | 844 KCK | 1 | 0,95 – 1,15 mm | 10,5 | for general applications | DLC-coated |
| 4473131 | 844 KCK | 1,1 | 1,07 – 1,25 mm | 10,5 | for general applications | DLC-coated |
| 4473132 | 844 KCK | 1,2 | 1,17 – 1,35 mm | 10,5 | for general applications | DLC-coated |
| 4473133 | 844 KCK | 1,3 | 1,27 – 1,45 mm | 10,5 | for general applications | DLC-coated |
| 4473134 | 844 KCK | 1,4 | 1,37 – 1,55 mm | 10,5 | for general applications | DLC-coated |
| 4473135 | 844 KCK | 1,75 | 1,5 – 1,9 mm | 16 | for general applications | DLC-coated |
| 4473136 | 844 KCK | 2 | 1,8 – 2,2 mm | 16 | for general applications | DLC-coated |
| 4473137 | 844 KCK | 2,25 | 2,05 – 2,45 mm | 16 | for general applications | DLC-coated |
| 4473138 | 844 KCK | 2,5 | 2,3 – 2,7 mm | 21 | for general applications | DLC-coated |
| 4473139 | 844 KCK | 2,75 | 2,55 – 2,95 mm | 21 | for general applications | DLC-coated |
| 4473140 | 844 KCK | 3 | 2,8 – 3,2 mm | 21 | for general applications | DLC-coated |
| 4473141 | 844 KCK | 3,25 | 3,05 – 3,45 mm | 21 | for general applications | DLC-coated |
| 4473142 | 844 KCK | 3,5 | 3,3 – 3,7 mm | 21 | for general applications | DLC-coated |
| 4473143 | 844 KCK | 3,75 | 3,55 – 3,95 mm | 21 | for general applications | DLC-coated |
| 4473145 | 844 KCK | 4 | 3,7 – 4,3 mm | 38 | for general applications | DLC-coated |
| 4473146 | 844 KCK | 4,5 | 4,2 – 4,8 mm | 38 | for general applications | DLC-coated |
| 4473147 | 844 KCK | 5 | 4,7 – 5,3 mm | 38 | for general applications | DLC-coated |
| 4473148 | 844 KCK | 5,5 | 5,2 – 5,8 mm | 38 | for general applications | DLC-coated |
| 4473149 | 844 KCK | 6 | 5,7 – 6,3 mm | 38 | for general applications | DLC-coated |
| 4473150 | 844 KCK | 6,5 | 6,2 – 6,8 mm | 38 | for general applications | DLC-coated |
| 4473151 | 844 KCK | 7 | 6,7 – 7,3 mm | 38 | for general applications | DLC-coated |
| 4473152 | 844 KCK | 7,5 | 7,2 – 7,8 mm | 38 | for general applications | DLC-coated |
| 4473153 | 844 KCK | 8 | 7,7 – 8,3 mm | 38 | for general applications | DLC-coated |
| 4473154 | 844 KCK | 8,5 | 8,2 – 8,8 mm | 45 | for general applications | DLC-coated |
| 4473155 | 844 KCK | 9 | 8,7 – 9,3 mm | 45 | for general applications | DLC-coated |
| 4473156 | 844 KCK | 9,5 | 9,2 – 9,8 mm | 45 | for general applications | DLC-coated |
| 4473158 | 844 KCK | 10 | 9,4 – 10,6 mm | 45 | for general applications | DLC-coated |
| 4473159 | 844 KCK | 11 | 10,4 – 11,6 mm | 45 | for general applications | DLC-coated |
| 4473160 | 844 KCK | 12 | 11,4 – 12,6 mm | 45 | for general applications | DLC-coated |
| 4473161 | 844 KCK | 13 | 12,4 – 13,6 mm | 45 | for general applications | DLC-coated |
| 4473162 | 844 KCK | 14 | 13,4 – 14,6 mm | 45 | for general applications | DLC-coated |
| 4473163 | 844 KCK | 15 | 14,4 – 15,6 mm | 45 | for general applications | DLC-coated |
| 4473164 | 844 KCK | 16 | 15,4 – 16,6 mm | 45 | for general applications | DLC-coated |
| 4473165 | 844 KCK | 17 | 16,4 – 17,6 mm | 45 | for general applications | DLC-coated |
| 4473166 | 844 KCK | 18 | 17,4 – 18,6 mm | 45 | for general applications | DLC-coated |
| 4473167 | 844 KCK | 19 | 18,4 – 19,6 mm | 45 | for general applications | DLC-coated |
| 4473168 | 844 KCK | 20 | 19,4 – 20,6 mm | 45 | for general applications | DLC-coated |

Marameter 844 KCK

Inside measuring probe

TECHNICAL DATA

| Order no. | Dimension H1 | Dimension L | Connection thread |
|-----------|--------------|-------------|-------------------|
| | mm | mm | |
| 4473130 | 0,6 | 19,5 | M6x0,75 |
| 4473131 | 0,6 | 19,5 | M6x0,75 |
| 4473132 | 0,6 | 19,5 | M6x0,75 |
| 4473133 | 0,6 | 19,5 | M6x0,75 |
| 4473134 | 0,6 | 19,5 | M6x0,75 |
| 4473135 | 0,9 | 25,3 | M6x0,75 |
| 4473136 | 0,9 | 25,3 | M6x0,75 |
| 4473137 | 0,9 | 25,3 | M6x0,75 |
| 4473138 | 1,2 | 30,6 | M6x0,75 |
| 4473139 | 1,2 | 30,6 | M6x0,75 |
| 4473140 | 1,2 | 30,6 | M6x0,75 |
| 4473141 | 1,2 | 30,6 | M6x0,75 |
| 4473142 | 1,2 | 30,6 | M6x0,75 |
| 4473143 | 1,2 | 30,6 | M6x0,75 |
| 4473145 | 2 | 47,3 | M6x0,75 |
| 4473146 | 2 | 47,3 | M6x0,75 |
| 4473147 | 2 | 47,3 | M6x0,75 |
| 4473148 | 2 | 47,3 | M6x0,75 |
| 4473149 | 2 | 47,3 | M6x0,75 |
| 4473150 | 2 | 47,3 | M6x0,75 |
| 4473151 | 2 | 47,3 | M6x0,75 |
| 4473152 | 2 | 47,3 | M6x0,75 |
| 4473153 | 2 | 47,3 | M6x0,75 |
| 4473154 | 2 | 47,3 | M6x0,75 |
| 4473155 | 2 | 47,3 | M6x0,75 |
| 4473156 | 2 | 47,3 | M6x0,75 |
| 4473158 | 3,3 | 48,5 | M6x0,75 |
| 4473159 | 3,3 | 48,5 | M6x0,75 |
| 4473160 | 3,3 | 48,5 | M6x0,75 |
| 4473161 | 3,3 | 48,5 | M6x0,75 |
| 4473162 | 3,3 | 48,5 | M6x0,75 |
| 4473163 | 3,3 | 48,5 | M6x0,75 |
| 4473164 | 3,3 | 48,5 | M6x0,75 |
| 4473165 | 3,3 | 48,5 | M6x0,75 |
| 4473166 | 3,3 | 48,5 | M6x0,75 |
| 4473167 | 3,3 | 48,5 | M6x0,75 |
| 4473168 | 3,3 | 48,5 | M6x0,75 |



ACCESSORIES

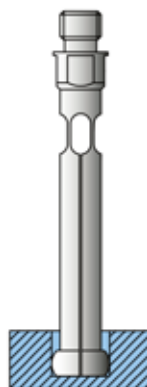
| Order no. | Description |
|-----------|--|
| 4473093 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 0,95 –1,55 mm |
| 4473094 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 1,5 –2,45 mm |
| 4473095 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 2,3 –3,95 mm |
| 4473096 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 3,7 –9,8 mm |
| 4473097 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 9,4 –20,6 mm |

Marameter 844 Kk

Inside measuring probe

FEATURES

- Measuring head made of hardened steel, hard chrome plated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings
- The minimum set of a measuring instrument consists of: Measuring head, transfer needle and holder plus indicator unit



Application:

Standard model

- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore

TECHNICAL DATA

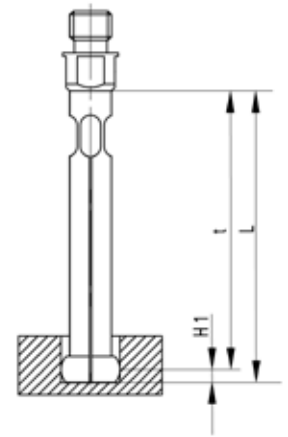
| Order no. | Type | Nominal size | Measuring range | Measuring depth | Design | Measuring surface |
|-----------|--------|--------------|-----------------|-----------------|--------------------------|--------------------|
| | | mm | mm | mm | | |
| 4473030 | 844 Kk | 1 | 0,95 – 1,15 mm | 10,5 | for general applications | hard chrome plated |
| 4473031 | 844 Kk | 1,1 | 1,07 – 1,25 mm | 10,5 | for general applications | hard chrome plated |
| 4473032 | 844 Kk | 1,2 | 1,17 – 1,35 mm | 10,5 | for general applications | hard chrome plated |
| 4473033 | 844 Kk | 1,3 | 1,27 – 1,45 mm | 10,5 | for general applications | hard chrome plated |
| 4473034 | 844 Kk | 1,4 | 1,37 – 1,55 mm | 10,5 | for general applications | hard chrome plated |
| 4473035 | 844 Kk | 1,75 | 1,5 – 1,9 mm | 16 | for general applications | hard chrome plated |
| 4473036 | 844 Kk | 2 | 1,8 – 2,2 mm | 16 | for general applications | hard chrome plated |
| 4473037 | 844 Kk | 2,25 | 2,05 – 2,45 mm | 16 | for general applications | hard chrome plated |
| 4473038 | 844 Kk | 2,5 | 2,3 – 2,7 mm | 21 | for general applications | hard chrome plated |
| 4473039 | 844 Kk | 2,75 | 2,55 – 2,95 mm | 21 | for general applications | hard chrome plated |
| 4473040 | 844 Kk | 3 | 2,8 – 3,2 mm | 21 | for general applications | hard chrome plated |
| 4473041 | 844 Kk | 3,25 | 3,05 – 3,45 mm | 21 | for general applications | hard chrome plated |
| 4473042 | 844 Kk | 3,5 | 3,3 – 3,7 mm | 21 | for general applications | hard chrome plated |
| 4473043 | 844 Kk | 3,75 | 3,55 – 3,95 mm | 21 | for general applications | hard chrome plated |
| 4473045 | 844 Kk | 4 | 3,7 – 4,3 mm | 38 | for general applications | hard chrome plated |
| 4473046 | 844 Kk | 4,5 | 4,2 – 4,8 mm | 38 | for general applications | hard chrome plated |
| 4473047 | 844 Kk | 5 | 4,7 – 5,3 mm | 38 | for general applications | hard chrome plated |
| 4473048 | 844 Kk | 5,5 | 5,2 – 5,8 mm | 38 | for general applications | hard chrome plated |
| 4473049 | 844 Kk | 6 | 5,7 – 6,3 mm | 38 | for general applications | hard chrome plated |
| 4473050 | 844 Kk | 6,5 | 6,2 – 6,8 mm | 38 | for general applications | hard chrome plated |
| 4473051 | 844 Kk | 7 | 6,7 – 7,3 mm | 38 | for general applications | hard chrome plated |
| 4473052 | 844 Kk | 7,5 | 7,2 – 7,8 mm | 38 | for general applications | hard chrome plated |
| 4473053 | 844 Kk | 8 | 7,7 – 8,3 mm | 38 | for general applications | hard chrome plated |
| 4473054 | 844 Kk | 8,5 | 8,2 – 8,8 mm | 45 | for general applications | hard chrome plated |
| 4473055 | 844 Kk | 9 | 8,7 – 9,3 mm | 45 | for general applications | hard chrome plated |
| 4473056 | 844 Kk | 9,5 | 9,2 – 9,8 mm | 45 | for general applications | hard chrome plated |
| 4473058 | 844 Kk | 10 | 9,4 – 10,6 mm | 45 | for general applications | hard chrome plated |
| 4473059 | 844 Kk | 11 | 10,4 – 11,6 mm | 45 | for general applications | hard chrome plated |
| 4473060 | 844 Kk | 12 | 11,4 – 12,6 mm | 45 | for general applications | hard chrome plated |
| 4473061 | 844 Kk | 13 | 12,4 – 13,6 mm | 45 | for general applications | hard chrome plated |
| 4473062 | 844 Kk | 14 | 13,4 – 14,6 mm | 45 | for general applications | hard chrome plated |
| 4473063 | 844 Kk | 15 | 14,4 – 15,6 mm | 45 | for general applications | hard chrome plated |
| 4473064 | 844 Kk | 16 | 15,4 – 16,6 mm | 45 | for general applications | hard chrome plated |
| 4473065 | 844 Kk | 17 | 16,4 – 17,6 mm | 45 | for general applications | hard chrome plated |
| 4473066 | 844 Kk | 18 | 17,4 – 18,6 mm | 45 | for general applications | hard chrome plated |
| 4473067 | 844 Kk | 19 | 18,4 – 19,6 mm | 45 | for general applications | hard chrome plated |
| 4473068 | 844 Kk | 20 | 19,4 – 20,6 mm | 45 | for general applications | hard chrome plated |

Marameter 844 Kk

Inside measuring probe

TECHNICAL DATA

| Order no. | Dimension H1 | Dimension L | Connection thread |
|-----------|--------------|-------------|-------------------|
| | mm | mm | |
| 4473030 | 0,6 | 19,5 | M6x0,75 |
| 4473031 | 0,6 | 19,5 | M6x0,75 |
| 4473032 | 0,6 | 19,5 | M6x0,75 |
| 4473033 | 0,6 | 19,5 | M6x0,75 |
| 4473034 | 0,6 | 19,5 | M6x0,75 |
| 4473035 | 0,9 | 25,3 | M6x0,75 |
| 4473036 | 0,9 | 25,3 | M6x0,75 |
| 4473037 | 0,9 | 25,3 | M6x0,75 |
| 4473038 | 1,2 | 30,6 | M6x0,75 |
| 4473039 | 1,2 | 30,6 | M6x0,75 |
| 4473040 | 1,2 | 30,6 | M6x0,75 |
| 4473041 | 1,2 | 30,6 | M6x0,75 |
| 4473042 | 1,2 | 30,6 | M6x0,75 |
| 4473043 | 1,2 | 30,6 | M6x0,75 |
| 4473045 | 2 | 47,3 | M6x0,75 |
| 4473046 | 2 | 47,3 | M6x0,75 |
| 4473047 | 2 | 47,3 | M6x0,75 |
| 4473048 | 2 | 47,3 | M6x0,75 |
| 4473049 | 2 | 47,3 | M6x0,75 |
| 4473050 | 2 | 47,3 | M6x0,75 |
| 4473051 | 2 | 47,3 | M6x0,75 |
| 4473052 | 2 | 47,3 | M6x0,75 |
| 4473053 | 2 | 47,3 | M6x0,75 |
| 4473054 | 2 | 47,3 | M6x0,75 |
| 4473055 | 2 | 47,3 | M6x0,75 |
| 4473056 | 2 | 47,3 | M6x0,75 |
| 4473058 | 3,3 | 48,5 | M6x0,75 |
| 4473059 | 3,3 | 48,5 | M6x0,75 |
| 4473060 | 3,3 | 48,5 | M6x0,75 |
| 4473061 | 3,3 | 48,5 | M6x0,75 |
| 4473062 | 3,3 | 48,5 | M6x0,75 |
| 4473063 | 3,3 | 48,5 | M6x0,75 |
| 4473064 | 3,3 | 48,5 | M6x0,75 |
| 4473065 | 3,3 | 48,5 | M6x0,75 |
| 4473066 | 3,3 | 48,5 | M6x0,75 |
| 4473067 | 3,3 | 48,5 | M6x0,75 |
| 4473068 | 3,3 | 48,5 | M6x0,75 |



ACCESSORIES

| Order no. | Description |
|-----------|--|
| 4473093 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 0,95 –1,55 mm |
| 4473094 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 1,5 –2,45 mm |
| 4473095 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 2,3 –3,95 mm |
| 4473096 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 3,7 –9,8 mm |
| 4473097 | Transfer Pin made of carbide for inside measuring probe 844 K and 844 KC, size 9,4 –20,6 mm |

Marameter 844 KSk

Blind hole measuring probe

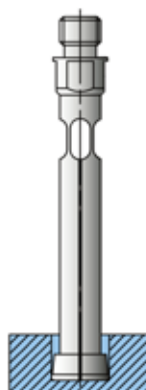
FEATURES

- Measuring head made of hardened steel, hard chrome plated
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, transfer needle, holder, depth extension, right angle attachments and setting rings

- The minimum set of a measuring instrument consists of: Measuring head, transfer needle and holder plus indicator unit

Application:
Model for Blind Holes

- For measurements near to the bottom of bores
- For indicating measurement of diameter and testing for roundness and conicity of bores
- Especially suitable for testing batches
- Determine the reversal point by rocking in the bore



TECHNICAL DATA

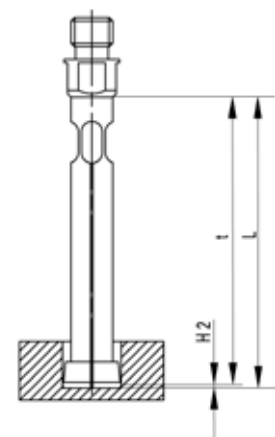
| Order no. | Type | Nominal size mm | Measuring range mm | Measuring depth mm | Design | Measuring surface |
|-----------|---------|--------------------|-----------------------|-----------------------|-----------------------------|--------------------|
| 4473245 | 844 KSk | 4 | 3,7 –4,3 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473246 | 844 KSk | 4,5 | 4,2 –4,8 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473247 | 844 KSk | 5 | 4,7 –5,3 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473248 | 844 KSk | 5,5 | 5,2 –5,8 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473249 | 844 KSk | 6 | 5,7 –6,3 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473250 | 844 KSk | 6,5 | 6,2 –6,8 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473251 | 844 KSk | 7 | 6,7 –7,3 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473252 | 844 KSk | 7,5 | 7,2 –7,8 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473253 | 844 KSk | 8 | 7,7 –8,3 mm | 38 | for blind hole measurements | hard chrome plated |
| 4473254 | 844 KSk | 8,5 | 8,2 –8,8 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473255 | 844 KSk | 9 | 8,7 –9,3 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473256 | 844 KSk | 9,5 | 9,2 –9,8 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473258 | 844 KSk | 10 | 9,4 –10,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473259 | 844 KSk | 11 | 10,4 –11,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473260 | 844 KSk | 12 | 11,4 –12,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473261 | 844 KSk | 13 | 12,4 –13,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473262 | 844 KSk | 14 | 13,4 –14,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473263 | 844 KSk | 15 | 14,4 –15,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473264 | 844 KSk | 16 | 15,4 –16,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473265 | 844 KSk | 17 | 16,4 –17,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473266 | 844 KSk | 18 | 17,4 –18,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473267 | 844 KSk | 19 | 18,4 –19,6 mm | 45 | for blind hole measurements | hard chrome plated |
| 4473268 | 844 KSk | 20 | 19,4 –20,6 mm | 45 | for blind hole measurements | hard chrome plated |

Marameter 844 KSk

Blind hole measuring probe

TECHNICAL DATA

| Order no. | H2 | Dimension L | Connection thread |
|-----------|-----|-------------|-------------------|
| | mm | mm | |
| 4473245 | 0,5 | 47,3 | M6x0,75 |
| 4473246 | 0,5 | 47,3 | M6x0,75 |
| 4473247 | 0,5 | 47,3 | M6x0,75 |
| 4473248 | 0,5 | 47,3 | M6x0,75 |
| 4473249 | 0,5 | 47,3 | M6x0,75 |
| 4473250 | 0,5 | 47,3 | M6x0,75 |
| 4473251 | 0,5 | 47,3 | M6x0,75 |
| 4473252 | 0,5 | 47,3 | M6x0,75 |
| 4473253 | 0,5 | 47,3 | M6x0,75 |
| 4473254 | 0,5 | 47,3 | M6x0,75 |
| 4473255 | 0,5 | 47,3 | M6x0,75 |
| 4473256 | 0,5 | 47,3 | M6x0,75 |
| 4473258 | 1 | 48,5 | M6x0,75 |
| 4473259 | 1 | 48,5 | M6x0,75 |
| 4473260 | 1 | 48,5 | M6x0,75 |
| 4473261 | 1 | 48,5 | M6x0,75 |
| 4473262 | 1 | 48,5 | M6x0,75 |
| 4473263 | 1 | 48,5 | M6x0,75 |
| 4473264 | 1 | 48,5 | M6x0,75 |
| 4473265 | 1 | 48,5 | M6x0,75 |
| 4473266 | 1 | 48,5 | M6x0,75 |
| 4473267 | 1 | 48,5 | M6x0,75 |
| 4473268 | 1 | 48,5 | M6x0,75 |

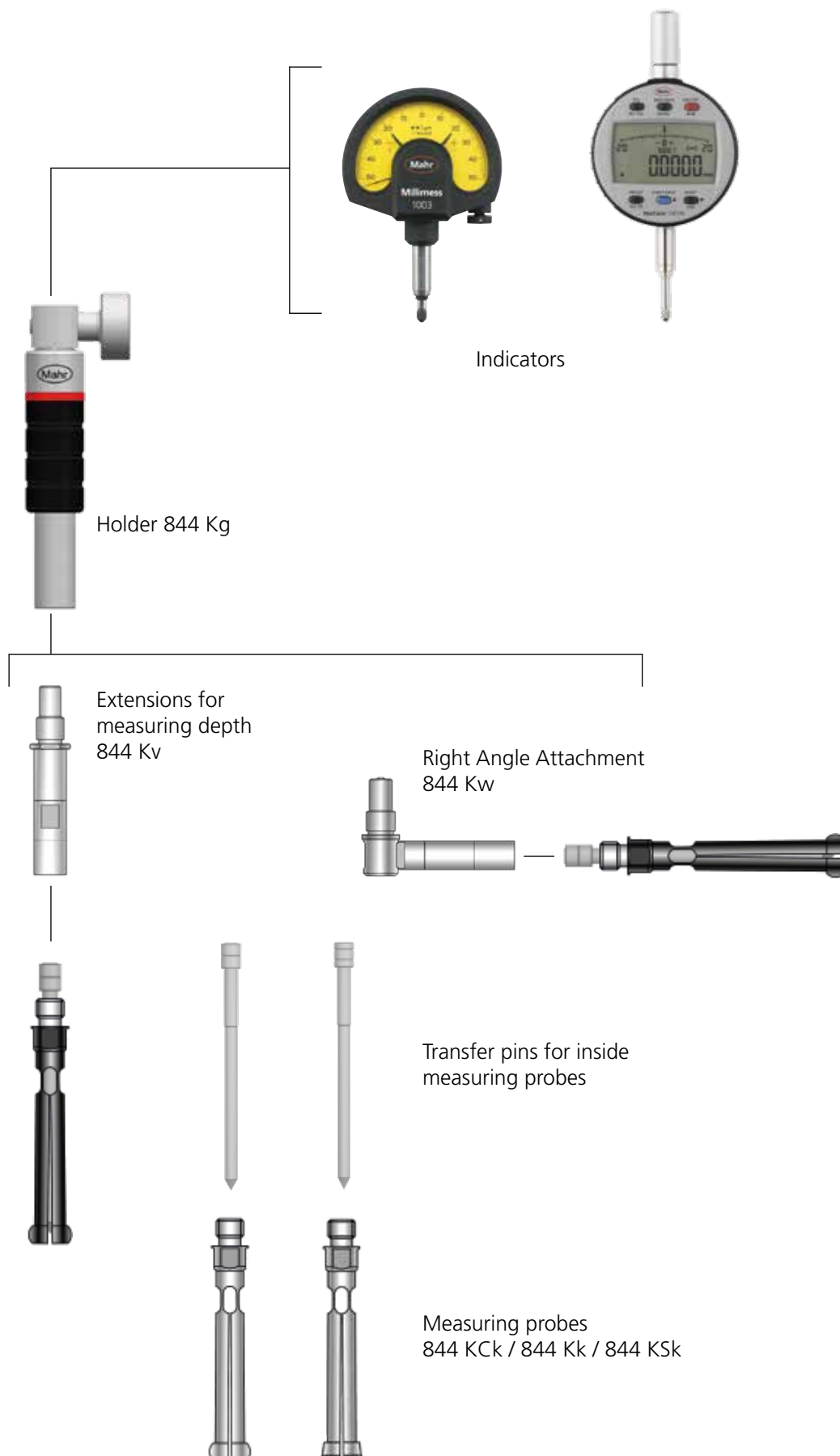


ACCESSORIES

| Order no. | Description |
|-----------|---|
| 4473296 | Transfer Pin made of carbide for inside measuring probe 844 KS, size 3,7 –9,8 mm |
| 4473297 | Transfer Pin made of carbide for inside measuring probe 844 KS, size 9,4 –20,6 mm |

Marameter | Modular System

By combining with a wide range of accessories (indicators, internal probes with drive needles, holders, extensions and right angle attachment), the internal gage becomes a precision measuring instrument, adapted to the measuring task.



Marameter 844 Kg / 844 Kga / 844 Kgz

Holder for indicator

FEATURES

Holder for mounting an indicator (comparator, dial gage or inductive probe) and connection of an 844 K/KC/KS inside measuring probe or corresponding accessories such as 844 Kt measuring depth extensions or 844 Kw right angle attachment



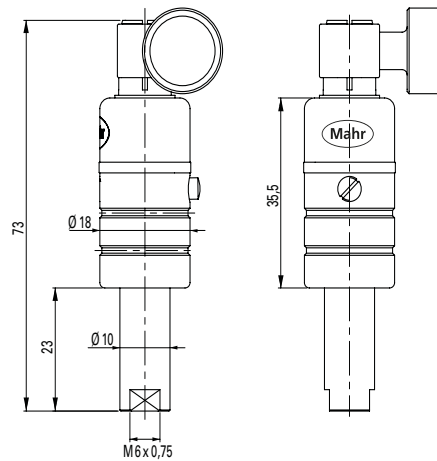
Application:

Type 844 Kga: Special design with retracting button, for easier insertion of the internal measuring probe into bores. Recommended for small and sensitive bores.

Type 844 Kgz: Special design for dial gages with shaft diameter 3/8 inch (typical for dial gages from USA).

TECHNICAL DATA

| Order no. | Type | Mount Ø | Design | Dimension L | d1 | l | Connection thread |
|-----------|---------|---------|---------------------|-------------|----|----|-------------------|
| | | mm | | mm | mm | mm | |
| 4473400 | 844 Kg | 8 mm | Standard design | 73 | 10 | 23 | M6x0,75 |
| 4473401 | 844 Kga | 8 mm | with retract button | 73 | 10 | 23 | M6x0,75 |
| 4473402 | 844 Kgz | .375" | Inch design | 73 | 10 | 23 | M6x0,75 |



Marameter 844 Kv

Extension for measuring depth

FEATURES

The measuring depth extension is screwed in between the holder (Type 844 Kg/Kga) and the inside probe (Type 844 K/KS/KS)

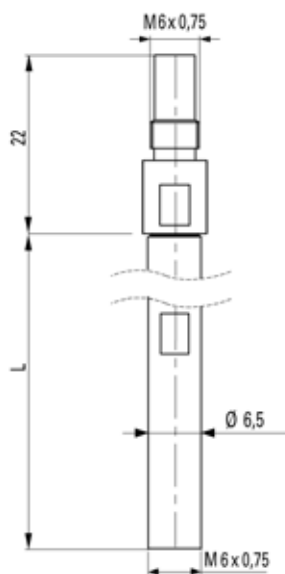


Application:

To reach measuring points in deep bores

TECHNICAL DATA

| Order no. | Type | Dimension L | Connection thread |
|-----------|--------|-------------|-------------------|
| | | mm | |
| 4473405 | 844 Kv | 50 | M6x0,75 |
| 4473406 | 844 Kv | 100 | M6x0,75 |
| 4473407 | 844 Kv | 250 | M6x0,75 |

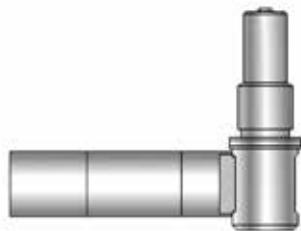


Marameter 844 Kw

Angle attachment 90°

FEATURES

The 844 Kw right angle attachment are screwed in between holder 844 Kg and bore gage 844 K / 844 KC / 844 KS (if necessary extensions 844 Kv)



Application:

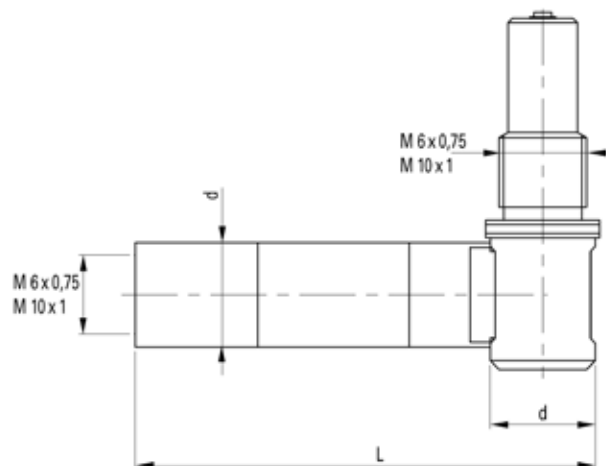
For space-saving and side-entering measurement of bores

Typical measuring problem situations:

- Narrow conditions in turning and grinding machines
- Side outgoing bores or bearing points in housings

TECHNICAL DATA

| Order no. | Type | Dimension L | d | Connection thread |
|-----------|--------|-------------|-----------|-------------------|
| 4473409 | 844 Kw | mm 29 | mm 7,9 | M6x0,75 |



Marameter 844 Ke

Setting rings in set

FEATURES

2 Designs:

Setting rings Ø 1,0 –2,75 mm
made of hardened steel
according to factory standard:
manufacturing tolerance of the
bore: ± 1 µm
Setting rings Ø 3 –20 mm
made of hardened steel
according to DIN 2250 form Cw

Application:

The setting rings are used as dimensional standards for adjusting the bore gages 844 K/KC/KS to the respective nominal dimension



TECHNICAL DATA

| Order no. | Type | Nominal size | Number of setting rings | Model |
|-----------|--------|--------------|-------------------------|----------------|
| 4473375 | 844 Ke | mm | 5 | hardened steel |
| | | 1 | | |
| | | 1,1 | | |
| | | 1,2 | | |
| | | 1,3 | | |
| 4473376 | 844 Ke | 1,4 | 9 | hardened steel |
| | | 1,75 | | |
| | | 2 | | |
| | | 2,25 | | |
| | | 2,5 | | |
| | | 2,75 | | |
| | | 3 | | |
| | | 3,25 | | |
| | | 3,5 | | |
| 4473377 | 844 Ke | 3,75 | 12 | hardened steel |
| | | 4 | | |
| | | 4,5 | | |
| | | 5 | | |
| | | 5,5 | | |
| | | 6 | | |
| | | 6,5 | | |
| | | 7 | | |
| | | 7,5 | | |
| | | 8 | | |
| | | 8,5 | | |
| | | 9 | | |
| 4473378 | 844 Ke | 9,5 | 21 | hardened steel |
| | | 1,75 | | |
| | | 2 | | |
| | | 2,25 | | |
| | | 2,5 | | |
| | | 2,75 | | |
| | | 3 | | |
| | | 3,25 | | |
| | | 3,5 | | |
| | | 3,75 | | |
| | | 4 | | |
| | | 4,5 | | |
| | | 5 | | |
| | | 5,5 | | |
| | | 6 | | |
| | | 6,5 | | |
| | | 7 | | |
| 7,5 | | | | |
| 8 | | | | |
| 8,5 | | | | |
| 9 | | | | |
| 4473379 | 844 Ke | 9,5 | 11 | hardened steel |
| | | 10 | | |
| | | 11 | | |
| | | 12 | | |
| | | 13 | | |
| | | 14 | | |
| | | 15 | | |
| | | 16 | | |
| | | 17 | | |
| | | 18 | | |
| | | 19 | | |
| 20 | | | | |

Marameter 844 Ke

Setting rings in set

ACCESSORIES

| Order no. | Description | Type |
|-----------|---------------------------------|--------|
| 4473310 | Setting ring, Ø 1 mm | 844 Ke |
| 4473311 | Setting ring, Ø 1,1 mm | 844 Ke |
| 4473312 | Setting ring, Ø 1,2 mm | 844 Ke |
| 4473313 | Setting ring, Ø 1,3 mm | 844 Ke |
| 4473314 | Setting ring, Ø 1,4 mm | 844 Ke |
| 4473315 | Setting ring, Ø 1,75 mm | 844 Ke |
| 4473316 | Setting ring, Ø 2 mm | 844 Ke |
| 4473317 | Setting ring, Ø 2,25 mm | 844 Ke |
| 4473318 | Setting ring, Ø 2,5 mm | 844 Ke |
| 4473319 | Setting ring, Ø 2,75 mm | 844 Ke |
| 4710014 | Ring gage DIN 2250 C, Ø 3 mm | 355 E |
| 4710015 | Ring gage DIN 2250 C, Ø 3,25 mm | 355 E |
| 4710016 | Ring gage DIN 2250 C, Ø 3,5 mm | 355 E |
| 4710017 | Ring gage DIN 2250 C, Ø 3,75 mm | 355 E |
| 4710018 | Ring gage DIN 2250 C, Ø 4 mm | 355 E |
| 4710019 | Ring gage DIN 2250 C, Ø 4,5 mm | 355 E |
| 4710020 | Ring gage DIN 2250 C, Ø 5 mm | 355 E |
| 4710021 | Ring gage DIN 2250 C, Ø 5,5 mm | 355 E |
| 4710022 | Ring gage DIN 2250 C, Ø 6 mm | 355 E |
| 4710023 | Ring gage DIN 2250 C, Ø 6,5 mm | 355 E |
| 4710024 | Ring gage DIN 2250 C, Ø 7 mm | 355 E |
| 4710025 | Ring gage DIN 2250 C, Ø 7,5 mm | 355 E |
| 4710026 | Ring gage DIN 2250 C, Ø 8 mm | 355 E |
| 4710027 | Ring gage DIN 2250 C, Ø 8,5 mm | 355 E |
| 4710028 | Ring gage DIN 2250 C, Ø 9 mm | 355 E |
| 4710029 | Ring gage DIN 2250 C, Ø 9,5 mm | 355 E |
| 4710030 | Ring gage DIN 2250 C, Ø 10 mm | 355 E |
| 4710031 | Ring gage DIN 2250 C, Ø 11 mm | 355 E |
| 4710032 | Ring gage DIN 2250 C, Ø 12 mm | 355 E |
| 4710033 | Ring gage DIN 2250 C, Ø 13 mm | 355 E |
| 4710034 | Ring gage DIN 2250 C, Ø 14 mm | 355 E |
| 4710035 | Ring gage DIN 2250 C, Ø 15 mm | 355 E |
| 4710036 | Ring gage DIN 2250 C, Ø 16 mm | 355 E |
| 4710037 | Ring gage DIN 2250 C, Ø 17 mm | 355 E |
| 4710038 | Ring gage DIN 2250 C, Ø 18 mm | 355 E |
| 4710039 | Ring gage DIN 2250 C, Ø 19 mm | 355 E |
| 4710040 | Ring gage DIN 2250 C, Ø 20 mm | 355 E |



Marameter | Indicating Plug Gage System 844 D

Indicating measurement in highest precision

Plug gages of the 844 D family are 2-point indicating gages, combined with a precisely grinded guide cylinder, which centers itself exactly in bores. This means that no reversal point needs to be determined by rocking. The measured value is displayed reliably, precisely and immediately.

The adjustment to a respective nominal dimension is achieved with setting rings.

Clear Benefits

Fastest and easiest to use, no operator influence, best performance

Special Benefit

- Self-centering: No rocking required to determine the reversal point
- No operator influence
- Especially suitable with use of digital indicators for processing the measured values

Each plug gage is:

- Specific to the requirement
- Matched to the bore diameter
- Matched to the bore tolerance

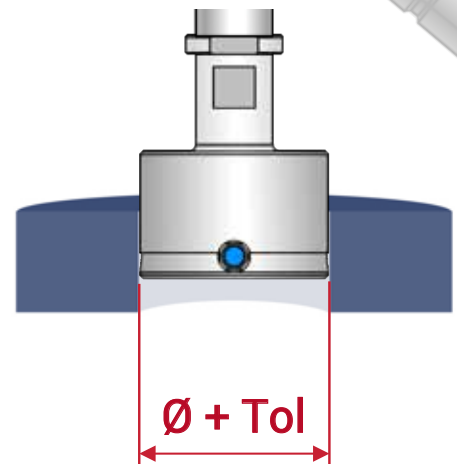
The following must be indicated with each order

- Order number
- Bore diameter
- Bore tolerance (ISO or numerical value spec.)

Ordering Examples

1 x 4484016 844 D Indicating Plug Gage
Nominal bore size \varnothing 34,5 mm
Bore tolerance H8

1 x 4484048 844 DR Indicating Plug Gage
Nominal bore size \varnothing 74,55 mm
Bore tolerance +0,05 / -0,03



Modular System

By combining with a wide range of accessories (indicators, holders, extensions and right angle attachment), the indicating plug gage become a high precision measuring instrument, adapted to the measuring task.

Samples of application configurations



Standard configuration

- Comparator
- Holder 844 Dg
- Plug Gage



Configuration for defined measuring depth

- Comparator
- Holder 844 Dg
- Extension 844 Dv
- Depth Stop 844 Dt-3
- Plug Gage

Configuration for sideways measuring in defined measuring depth

- Comparator
- Holder 844 Dg
- Angle Attachment 844 Dw
- Plug Gage
- Stop Ring 844 Dt-R



Marameter | Indicating Plug Gage System 844 D

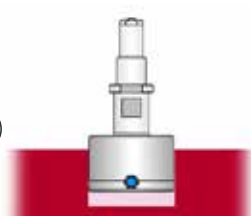
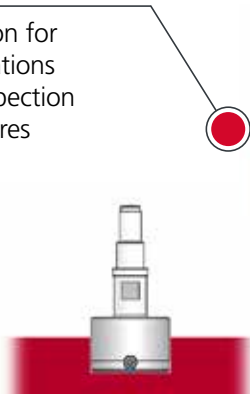
3 Basic Types

Guide cylinder hard chrome-plated, measuring surfaces made of carbide

844 D

Standard version for general applications

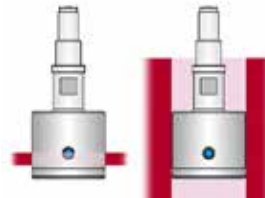
- For quick inspection of precise bores



844 DR

Version for through holes and thin-walled holes (metal sheet)

- With extended guide cylinder



844 DS

Version for blind holes

- For measuring of near to the bottom of the bore

Variants

Variant C: 844 D-C / 844 DR-C / 844 DS-C

Measuring surfaces hard-chrome plated: For sensitive surfaces of non-ferrous metals and aluminum alloys



Variant R: 844 D-R / 844 DR-R / 844 DS-R

Measuring surfaces ruby-tipped: For very sensitive surfaces of non-ferrous metals and aluminum alloy



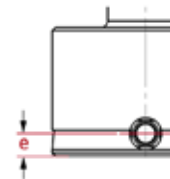
Variant D: 844 D-D / 844 DR-D

Measuring surfaces diamond-tipped: For very sensitive surfaces of soft non-ferrous metals and aluminum alloys



Variant FD: 844 D-FD / 844 DR-FD

Different front distance "e": Reducing the guide cylinder to measure closer, or at a defined position, to the ground of the bore



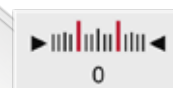
Variant M: 844 D-M / 844 DR-M / 844 DS-M

Extended measuring range: For measuring of larger tolerance fields



Variant HR: 844 D-HR / 844 DR-HR / 844 DS-HR

High Resolution for very narrow bore tolerance zones <math>< 10 \mu\text{m}</math>. More precise manufacturing tolerance of the guide cylinder for tighter gap in the bore, thus reducing axial and radial measuring influences.



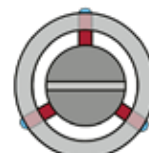
Variant F: 844 DS-F

Only with front chamfer (no centering groove): For measuring very short blind holes



Variant 3: 844 D-3 / 844 DR-3

3-Point contact ($3 \times 120^\circ$): For fast measurement of interrupted diameters and detection of shape defects in a polygon

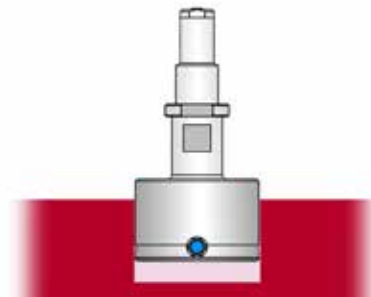


Marameter 844 D

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

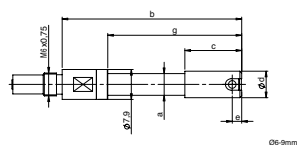


Application: Standard model

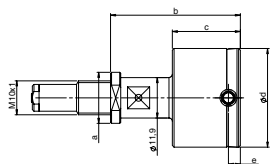
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones 10 µm and more
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|-------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|----|-----|----|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484007 | 844 D | 2- <3 | 0,15 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | | 21,5 | 15 | 1,5 | 15 | M6x0,75 |
| 4484008 | 844 D | 3-4 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | | 33,5 | 24 | 1,5 | 24 | M6x0,75 |
| 4484009 | 844 D | >4-6 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 4 | 33,5 | 10 | 1,5 | 27 | M6x0,75 |
| 4484010 | 844 D | >6-9 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484011 | 844 D | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484012 | 844 D | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484013 | 844 D | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484014 | 844 D | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, min. 1 µm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484015 | 844 D | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, min. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484016 | 844 D | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, min. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484017 | 844 D | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, min. 1 µm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484018 | 844 D | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484019 | 844 D | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484020 | 844 D | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484021 | 844 D | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484022 | 844 D | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484023 | 844 D | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484024 | 844 D | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484025 | 844 D | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484026 | 844 D | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484027 | 844 D | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484028 | 844 D | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484029 | 844 D | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, min. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |



06-9mm



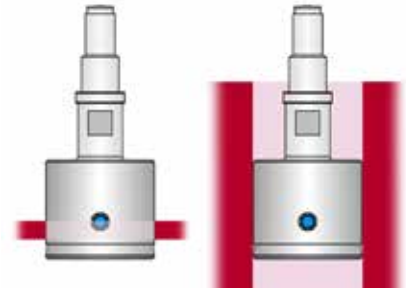
020-40mm

Marameter 844 DR

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

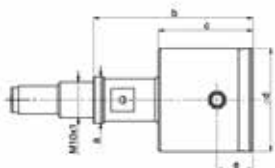
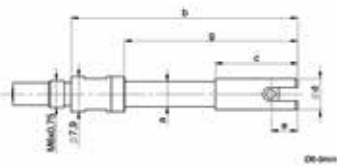


Application: Model for through holes and narrow parts

- With extended guide cylinder for measuring through holes and bores of narrow parts e.g. sheets
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones 10 µm and more
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|--------|-----------------|----------------|-------------------------|---------------------|---------------------|------|------|------|----|------|-------------------|
| 4484039 | 844 DR | 4–6 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 4 | 38 | 14,5 | 6 | 31,5 | M6x0,75 |
| 4484040 | 844 DR | >6–9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484041 | 844 DR | >9–12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484042 | 844 DR | >12–13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484043 | 844 DR | >13–16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484044 | 844 DR | >16–20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484045 | 844 DR | >20–30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484046 | 844 DR | >30–40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484047 | 844 DR | >40–60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484048 | 844 DR | >60–80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484049 | 844 DR | >80–100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484050 | 844 DR | >100–110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484051 | 844 DR | >110–120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484052 | 844 DR | >120–130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484053 | 844 DR | >130–140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484054 | 844 DR | >140–150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484055 | 844 DR | >150–160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484056 | 844 DR | >160–170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484057 | 844 DR | >170–180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484058 | 844 DR | >180–190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484059 | 844 DR | >190–200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |



Marameter 844 DS

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

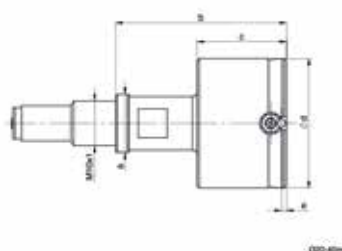
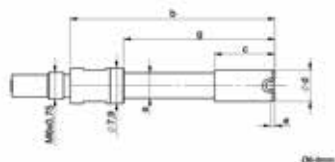


Application: Model for blind holes

- For measurements close to the base of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones 10 µm and more
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|--------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484067 | 844 DS | 2- <3 | 0,15 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | | 20,7 | 14,2 | 0,7 | 14,2 | M6x0,75 |
| 4484068 | 844 DS | 3-4 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | | 33 | 23,5 | 1 | 23,5 | M6x0,75 |
| 4484069 | 844 DS | >4-6 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 4 | 33 | 9,5 | 1 | 26,5 | M6x0,75 |
| 4484070 | 844 DS | >6-9 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484071 | 844 DS | >9-12 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484072 | 844 DS | >12-13 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484073 | 844 DS | >13-16 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484074 | 844 DS | >16-20 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484075 | 844 DS | >20-30 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484076 | 844 DS | >30-40 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484077 | 844 DS | >40-60 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484078 | 844 DS | >60-80 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484079 | 844 DS | >80-100 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484080 | 844 DS | >100-110 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484081 | 844 DS | >110-120 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484082 | 844 DS | >120-130 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484083 | 844 DS | >130-140 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484084 | 844 DS | >140-150 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484085 | 844 DS | >150-160 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484086 | 844 DS | >160-170 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484087 | 844 DS | >170-180 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484088 | 844 DS | >180-190 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484089 | 844 DS | >190-200 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |

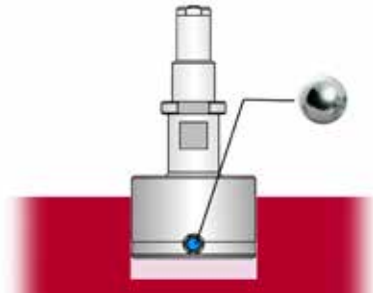


Marameter 844 D-C

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and hard chrome plated anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

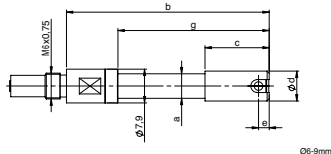


Application: Standard model, measuring surfaces hard chrome-plated
Preferred application on sensitive surfaces of non-ferrous metals and aluminium alloys

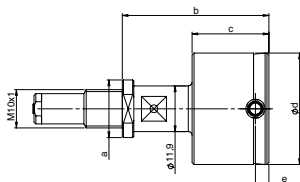
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|----|-----|----|----------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484100 | 844 D-C | 8-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484101 | 844 D-C | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484102 | 844 D-C | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484103 | 844 D-C | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484104 | 844 D-C | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484105 | 844 D-C | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484106 | 844 D-C | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484107 | 844 D-C | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484108 | 844 D-C | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484109 | 844 D-C | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484110 | 844 D-C | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484111 | 844 D-C | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484112 | 844 D-C | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484113 | 844 D-C | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484114 | 844 D-C | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484115 | 844 D-C | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484116 | 844 D-C | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484117 | 844 D-C | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484118 | 844 D-C | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484119 | 844 D-C | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |



06-9mm



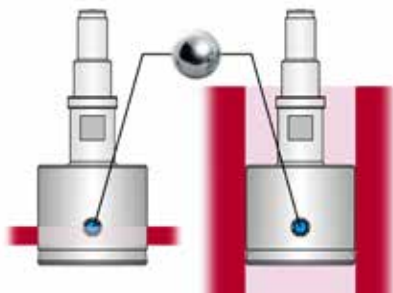
020-40mm

Marameter 844 DR-C

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and hard chrome plated anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

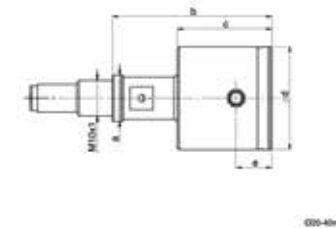
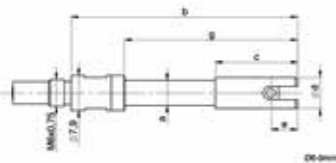


Application: Design for through-holes, hard chrome plated measuring surfaces
Preferred use on sensitive surfaces of non-ferrous metals and aluminum alloys

- With extended guide cylinder for measuring through holes from the edge of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance fields
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|------|----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484130 | 844 DR-C | 8-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484131 | 844 DR-C | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484132 | 844 DR-C | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484133 | 844 DR-C | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484134 | 844 DR-C | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484135 | 844 DR-C | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484136 | 844 DR-C | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484137 | 844 DR-C | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484138 | 844 DR-C | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484139 | 844 DR-C | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484140 | 844 DR-C | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484141 | 844 DR-C | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484142 | 844 DR-C | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484143 | 844 DR-C | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484144 | 844 DR-C | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484145 | 844 DR-C | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484146 | 844 DR-C | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484147 | 844 DR-C | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484148 | 844 DR-C | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484149 | 844 DR-C | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |

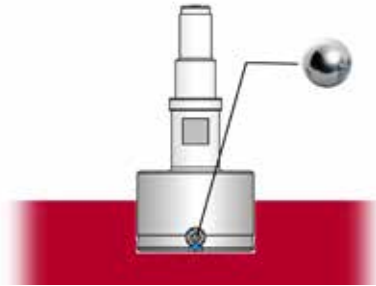


Marameter 844 DS-C

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and hard chrome plated anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

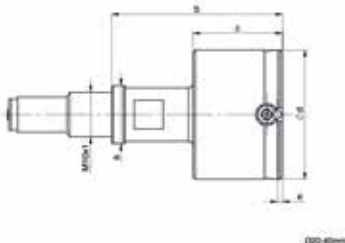
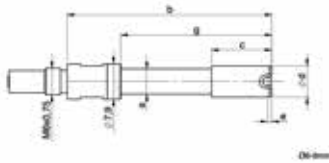


Application: Model for blind holes, measuring surfaces hard chrome-plated
Preferred application on sensitive surfaces of non-ferrous metals and aluminium alloys

- For measurements close to the base of the hole
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|-------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|------|-----|------|----------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484160 | 844 DS-C | 8-9 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484161 | 844 DS-C | >9-12 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484162 | 844 DS-C | >12-13 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484163 | 844 DS-C | >13-16 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484164 | 844 DS-C | >16-20 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484165 | 844 DS-C | >20-30 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484166 | 844 DS-C | >30-40 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484167 | 844 DS-C | >40-60 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484168 | 844 DS-C | >60-80 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484169 | 844 DS-C | >80-100 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484170 | 844 DS-C | >100-110 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484171 | 844 DS-C | >110-120 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484172 | 844 DS-C | >120-130 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484173 | 844 DS-C | >130-140 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484174 | 844 DS-C | >140-150 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484175 | 844 DS-C | >150-160 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484176 | 844 DS-C | >160-170 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484177 | 844 DS-C | >170-180 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484178 | 844 DS-C | >180-190 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484179 | 844 DS-C | >190-200 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |

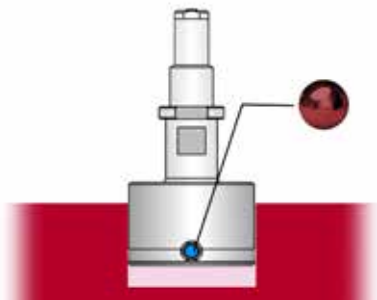


Marameter 844 D-R

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and ruby-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



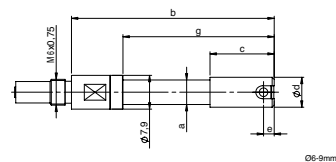
Application: Standard model, measuring surfaces ruby-tipped

Preferred application on sensitive surfaces of non-ferrous metals and aluminium alloys

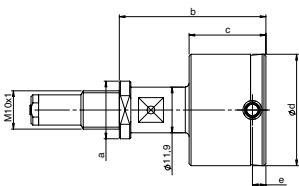
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|---------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|----|-----|----|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484208 | 844 D-R | 3-4 | 0,15 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | | 33,5 | 24 | 1,5 | 24 | M6x0,75 |
| 4484209 | 844 D-R | >4-6 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 4 | 33,5 | 10 | 1,5 | 27 | M6x0,75 |
| 4484210 | 844 D-R | >6-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484211 | 844 D-R | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484212 | 844 D-R | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484213 | 844 D-R | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484214 | 844 D-R | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484215 | 844 D-R | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484216 | 844 D-R | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484217 | 844 D-R | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484218 | 844 D-R | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484219 | 844 D-R | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484220 | 844 D-R | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484221 | 844 D-R | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484222 | 844 D-R | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484223 | 844 D-R | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484224 | 844 D-R | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484225 | 844 D-R | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484226 | 844 D-R | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484227 | 844 D-R | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484228 | 844 D-R | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484229 | 844 D-R | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |



Ø6-9mm



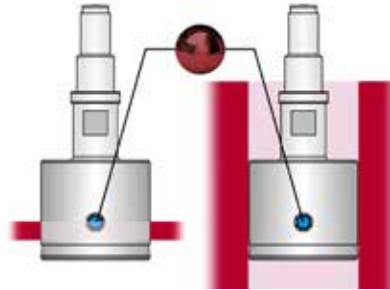
Ø20-40mm

Marameter 844 DR-R

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and ruby-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

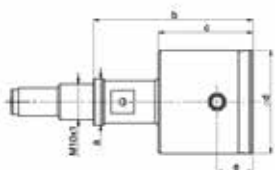
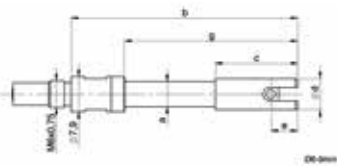


Application: Design for through-holes, ruby-tipped measuring surfaces
Preferred use on sensitive surfaces of non-ferrous metals and aluminum alloys

- With extended guide cylinder for measuring through holes from the edge of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance fields
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|-------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|------|----|------|----------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484239 | 844 DR-R | 4-6 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 4 | 38 | 14,5 | 6 | 31,5 | M6x0,75 |
| 4484240 | 844 DR-R | >6-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484241 | 844 DR-R | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484242 | 844 DR-R | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484243 | 844 DR-R | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484244 | 844 DR-R | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484245 | 844 DR-R | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484246 | 844 DR-R | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484247 | 844 DR-R | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484248 | 844 DR-R | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484249 | 844 DR-R | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484250 | 844 DR-R | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484251 | 844 DR-R | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484252 | 844 DR-R | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484253 | 844 DR-R | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484254 | 844 DR-R | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484255 | 844 DR-R | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484256 | 844 DR-R | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484257 | 844 DR-R | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484258 | 844 DR-R | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484259 | 844 DR-R | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |



Marameter 844 DS-R

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and ruby-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



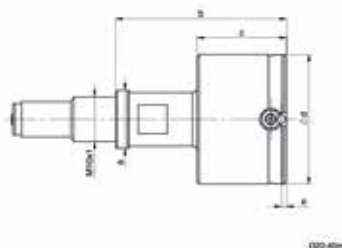
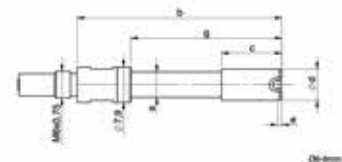
Application: Model for blind holes, measuring surfaces ruby-tipped

Preferred application on sensitive surfaces of non-ferrous metals and aluminium alloys

- For measurements close to the base of the hole
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484268 | 844 DS-R | 3–4 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | | 33 | 23,5 | 1 | 23,5 | M6x0,75 |
| 4484269 | 844 DS-R | >4–6 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 4 | 33 | 9,5 | 1 | 26,5 | M6x0,75 |
| 4484270 | 844 DS-R | >6–9 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484271 | 844 DS-R | >9–12 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484272 | 844 DS-R | >12–13 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484273 | 844 DS-R | >13–16 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484274 | 844 DS-R | >16–20 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484275 | 844 DS-R | >20–30 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484276 | 844 DS-R | >30–40 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484277 | 844 DS-R | >40–60 | 0,2 | -0,02 / -0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484278 | 844 DS-R | >60–80 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484279 | 844 DS-R | >80–100 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484280 | 844 DS-R | >100–110 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484281 | 844 DS-R | >110–120 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484282 | 844 DS-R | >120–130 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484283 | 844 DS-R | >130–140 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484284 | 844 DS-R | >140–150 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484285 | 844 DS-R | >150–160 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484286 | 844 DS-R | >160–170 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484287 | 844 DS-R | >170–180 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484288 | 844 DS-R | >180–190 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484289 | 844 DS-R | >190–200 | 0,2 | -0,035 / -0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |

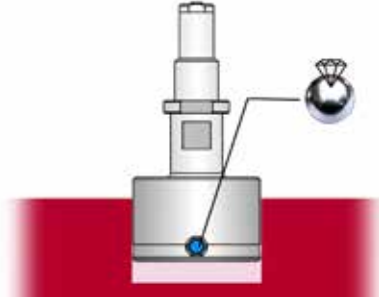


Marameter 844 D-D

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and diamond-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



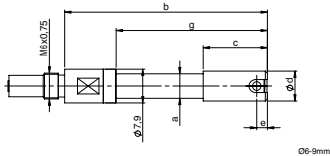
Application: Standard model, measuring surfaces diamond-tipped

Preferred application on very sensitive surfaces of soft non-ferrous metals and aluminium alloys

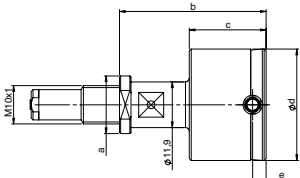
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|----|-----|----|----------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484300 | 844 D-D | 8-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484301 | 844 D-D | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484302 | 844 D-D | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484303 | 844 D-D | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484304 | 844 D-D | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484305 | 844 D-D | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484306 | 844 D-D | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484307 | 844 D-D | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484308 | 844 D-D | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484309 | 844 D-D | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484310 | 844 D-D | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484311 | 844 D-D | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484312 | 844 D-D | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484313 | 844 D-D | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484314 | 844 D-D | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484315 | 844 D-D | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484316 | 844 D-D | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484317 | 844 D-D | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484318 | 844 D-D | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484319 | 844 D-D | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |



06-9mm



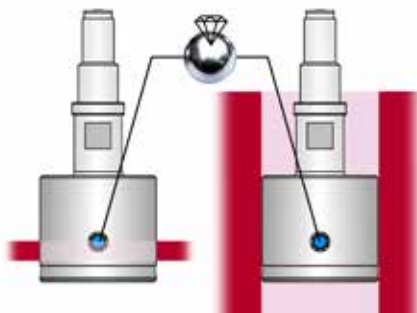
020-40mm

Marameter 844 DR-D

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and diamond-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



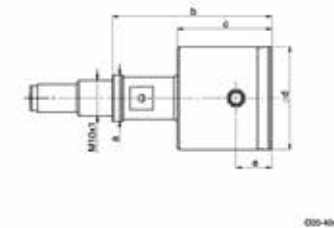
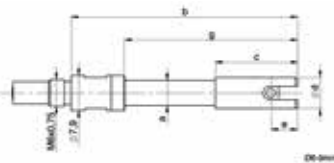
Application: Model for through holes, measuring surfaces diamond-tipped

Preferred application on very sensitive surfaces of soft non-ferrous metals and aluminium alloys

- With extended guide cylinder for measuring through holes from the edge of the hole
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|----------------------------|---------------------|------|------|------|----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484330 | 844 DR-D | 8-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484331 | 844 DR-D | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484332 | 844 DR-D | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484333 | 844 DR-D | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484334 | 844 DR-D | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484335 | 844 DR-D | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484336 | 844 DR-D | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484337 | 844 DR-D | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484338 | 844 DR-D | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484339 | 844 DR-D | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484340 | 844 DR-D | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484341 | 844 DR-D | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484342 | 844 DR-D | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484343 | 844 DR-D | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484344 | 844 DR-D | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484345 | 844 DR-D | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484346 | 844 DR-D | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484347 | 844 DR-D | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484348 | 844 DR-D | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484349 | 844 DR-D | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |

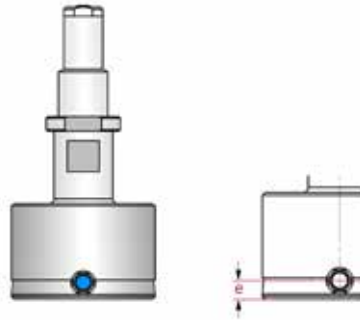


Marameter 844 D-FD

Indicating plug gage

FEATURES

- The front distance “e” must be defined between dimension “e-min” and “e-max”. **Please specify when ordering!**
- Measuring head has hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

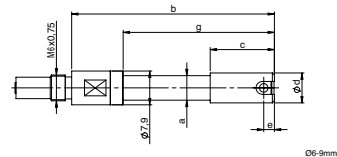


Application: Standard version, measuring contacts with customer-specified location “e”
Shorter guide cylinder for measuring closer to the bottom of the hole or at a defined spot

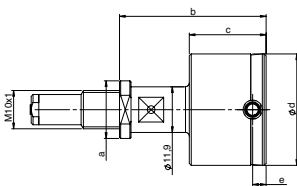
- For the rapid testing of diameter, roundness and conicity of holes
- Especially suitable for testing batches with tight tolerance fields
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|-------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|------|--------------|------|----------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484387 | 844 D-FD | 2–2,999 | 0,15 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | | 20,7 | 14,2 | 0,8 – 1,4 | 14,2 | M6x0,75 |
| 4484388 | 844 D-FD | 3–4 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | | 33 | 23,5 | 1,1 – 1,4 | 23,5 | M6x0,75 |
| 4484389 | 844 D-FD | >4–6 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 4 | 33 | 9,5 | 1,1 – 1,4 | 26,5 | M6x0,75 |
| 4484390 | 844 D-FD | >6–9 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 5,7 | 45,5 | 13,5 | 1,1 – 2,4 | 33,5 | M6x0,75 |
| 4484391 | 844 D-FD | >9–12 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1,1 – 2,4 | 45,5 | M6x0,75 |
| 4484392 | 844 D-FD | >12–13 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1,1 – 2,4 | 45,5 | M6x0,75 |
| 4484393 | 844 D-FD | >13–16 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 11,9 | 45,5 | 13,5 | 1,1 – 2,4 | 45,5 | M6x0,75 |
| 4484394 | 844 D-FD | >16–20 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 µm | 1 | 15 | 35,8 | 13,5 | 1,1 – 2,4 | | M10x1 |
| 4484395 | 844 D-FD | >20–30 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,3 – 3,4 | | M10x1 |
| 4484396 | 844 D-FD | >30–40 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,3 – 3,4 | | M10x1 |
| 4484397 | 844 D-FD | >40–60 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 1,3 – 3,4 | | M10x1 |
| 4484398 | 844 D-FD | >60–80 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484399 | 844 D-FD | >80–100 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484400 | 844 D-FD | >100–110 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484401 | 844 D-FD | >110–120 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484402 | 844 D-FD | >120–130 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484403 | 844 D-FD | >130–140 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484404 | 844 D-FD | >140–150 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484405 | 844 D-FD | >150–160 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,3 – 3,9 | | M10x1 |
| 4484406 | 844 D-FD | >160–170 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,3 – 3,9 | | M10x1 |
| 4484407 | 844 D-FD | >170–180 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,3 – 3,9 | | M10x1 |
| 4484408 | 844 D-FD | >180–190 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,3 – 3,9 | | M10x1 |
| 4484409 | 844 D-FD | >190–200 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 µm | 1 | 17,9 | 37 | 40 | 1,3 – 3,9 | | M10x1 |



06-9mm



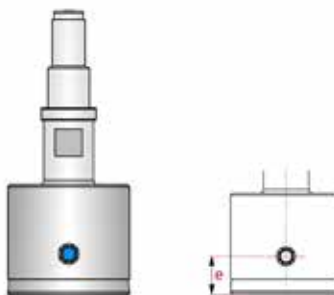
020-40mm

Marameter 844 DR-FD

Indicating plug gage

FEATURES

- The front distance "e" must be defined between dimension "e-min" and "e-max". **Please specify when ordering!**
- Measuring head has hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

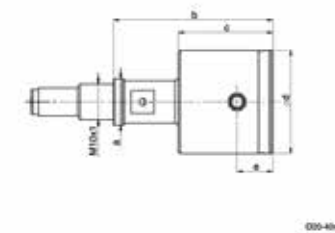
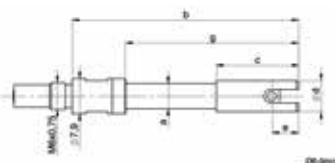


Application: Model for through holes, anvils with customer-specified location "e"
Reducing the guide cylinder to measure closer, or at a defined position, to the ground of the bore

- With extended guide cylinder for measuring through holes from the edge of the hole
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|-----------|-----------------|----------------|-------------------------|------------------------|------------------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484419 | 844 DR-FD | 4-6 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 4 | 38 | 14,5 | 1,6 | 31,5 | M6x0,75 |
| 4484420 | 844 DR-FD | >6-9 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 5,7 | 50,5 | 18,5 | 2,6 | 38,5 | M6x0,75 |
| 4484421 | 844 DR-FD | >9-12 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 2,6 | 54,5 | M6x0,75 |
| 4484422 | 844 DR-FD | >12-13 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 2,6 | 54,5 | M6x0,75 |
| 4484423 | 844 DR-FD | >13-16 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 11,9 | 54,5 | 22,5 | 2,6 | 54,5 | M6x0,75 |
| 4484424 | 844 DR-FD | >16-20 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 15 | 44,8 | 22,5 | 2,6 | | M10x1 |
| 4484425 | 844 DR-FD | >20-30 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 3,6 | | M10x1 |
| 4484426 | 844 DR-FD | >30-40 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 3,6 | | M10x1 |
| 4484427 | 844 DR-FD | >40-60 | 0,2 | -0,02 / -0,03 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 28 | 3,6 | | M10x1 |
| 4484428 | 844 DR-FD | >60-80 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484429 | 844 DR-FD | >80-100 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484430 | 844 DR-FD | >100-110 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484431 | 844 DR-FD | >110-120 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484432 | 844 DR-FD | >120-130 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484433 | 844 DR-FD | >130-140 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484434 | 844 DR-FD | >140-150 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484435 | 844 DR-FD | >150-160 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 4,1 | | M10x1 |
| 4484436 | 844 DR-FD | >160-170 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 4,1 | | M10x1 |
| 4484437 | 844 DR-FD | >170-180 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 4,1 | | M10x1 |
| 4484438 | 844 DR-FD | >180-190 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 4,1 | | M10x1 |
| 4484439 | 844 DR-FD | >190-200 | 0,2 | -0,035 / -0,045 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 4,1 | | M10x1 |

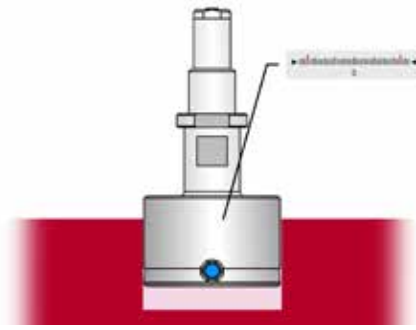


Marameter 844 D-M

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

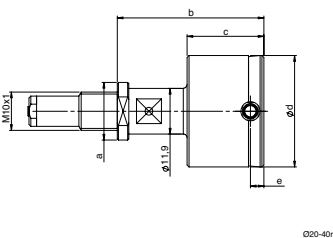
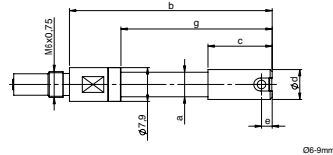


Application: Standard model, with extended measuring range

- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with wide tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f _e | Repeatability f _w | a | b | c | e | g | Connection thread |
|-----------|------------|-----------------|----------------|---------------------------------|--|---------------------------------|------|------|----|-----|----|----------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484448 | 844 D-M | 3–4 | 0,4 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | | 33,5 | 24 | 1,5 | 24 | M6x0,75 |
| 4484449 | 844 D-M | >4–6 | 0,4 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 4 | 33,5 | 10 | 1,5 | 27 | M6x0,75 |
| 4484450 | 844 D-M | >6–9 | 0,6 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484451 | 844 D-M | >9–12 | 0,6 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484452 | 844 D-M | >12–13 | 0,6 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484453 | 844 D-M | >13–16 | 0,6 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484454 | 844 D-M | >16–20 | 0,6 | –0,015 / –0,025 | 1 %, mind. 1 μm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484455 | 844 D-M | >20–30 | 0,6 | –0,02 / –0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484456 | 844 D-M | >30–40 | 0,6 | –0,02 / –0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484457 | 844 D-M | >40–60 | 0,6 | –0,02 / –0,03 | 1 %, mind. 1 μm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484458 | 844 D-M | >60–80 | 0,6 | –0,025 / –0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484459 | 844 D-M | >80–100 | 0,6 | –0,025 / –0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484460 | 844 D-M | >100–110 | 0,6 | –0,025 / –0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484461 | 844 D-M | >110–120 | 0,6 | –0,025 / –0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484462 | 844 D-M | >120–130 | 0,6 | –0,025 / –0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484463 | 844 D-M | >130–140 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484464 | 844 D-M | >140–150 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484465 | 844 D-M | >150–160 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484466 | 844 D-M | >160–170 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484467 | 844 D-M | >170–180 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484468 | 844 D-M | >180–190 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484469 | 844 D-M | >190–200 | 0,6 | –0,035 / –0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |

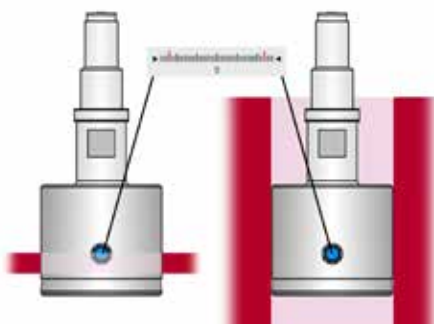


Marameter 844 DR-M

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

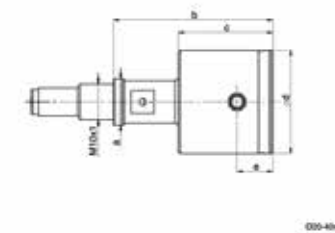
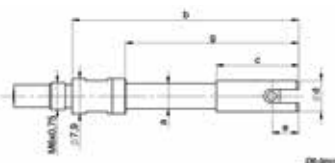


Application: Model for through holes, with extended measuring range

- With extended guide cylinder for measuring through holes from the edge of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with wide tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|----------------------------|---------------------|------|------|------|----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484479 | 844 DR-M | 4–6 | 0,4 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 4 | 38 | 14,5 | 6 | 31,5 | M6x0,75 |
| 4484480 | 844 DR-M | >6–9 | 0,6 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484481 | 844 DR-M | >9–12 | 0,6 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484482 | 844 DR-M | >12–13 | 0,6 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484483 | 844 DR-M | >13–16 | 0,6 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484484 | 844 DR-M | >16–20 | 0,6 | -0,015 / -0,025 | 1 %, mind. 1 μm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484485 | 844 DR-M | >20–30 | 0,6 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484486 | 844 DR-M | >30–40 | 0,6 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484487 | 844 DR-M | >40–60 | 0,6 | -0,02 / -0,03 | 1 %, mind. 1 μm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484488 | 844 DR-M | >60–80 | 0,6 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484489 | 844 DR-M | >80–100 | 0,6 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484490 | 844 DR-M | >100–110 | 0,6 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484491 | 844 DR-M | >110–120 | 0,6 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484492 | 844 DR-M | >120–130 | 0,6 | -0,025 / -0,035 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484493 | 844 DR-M | >130–140 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484494 | 844 DR-M | >140–150 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484495 | 844 DR-M | >150–160 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484496 | 844 DR-M | >160–170 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484497 | 844 DR-M | >170–180 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484498 | 844 DR-M | >180–190 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484499 | 844 DR-M | >190–200 | 0,6 | -0,035 / -0,045 | 1 %, mind. 1 μm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |



Marameter 844 DS-M

Indicating plug gage

FEATURES

- Measuring head made of hardened, hard chrome-plated guide cylinder and carbide-tipped measuring probes
- Carbide driving needle transfers radial measuring movement to the display unit
- Constant measuring force thanks to inbuilt measuring force spring. Measuring results are therefore independent of personal sense of touch
- Measuring head, measuring instrument holder, depth extensions, right-angle attachments, and depth stops form a comprehensive modular system
- To protect the measuring contacts during entry into the hole the use of a holder with lifter (844 Kga or 844 Dga) is recommended



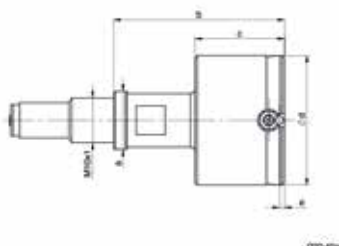
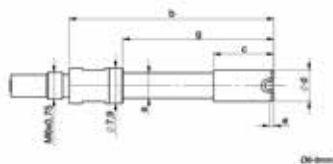
Application: Model for blind holes, with extended measuring range

Recommendation: To protect the measuring contacts, when inserting them into the bore, the use of a holder with lifting device (844 Kga or 844 Dga) is recommended.

- For measurements close to the base of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with wide tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|------------------------------|---------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484508 | 844 DS-M | 3–4 | 0,4 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | | 33 | 23,5 | 1 | 23,5 | M6x0,75 |
| 4484509 | 844 DS-M | >4–6 | 0,4 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 4 | 33 | 9,5 | 1 | 26,5 | M6x0,75 |
| 4484510 | 844 DS-M | >6–9 | 0,6 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484511 | 844 DS-M | >9–12 | 0,6 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484512 | 844 DS-M | >12–13 | 0,6 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484513 | 844 DS-M | >13–16 | 0,6 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484514 | 844 DS-M | >16–20 | 0,6 | -0,015 / -0,025 | 1,5 %, mind. 1 μm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484515 | 844 DS-M | >20–30 | 0,6 | -0,02 / -0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484516 | 844 DS-M | >30–40 | 0,6 | -0,02 / -0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484517 | 844 DS-M | >40–60 | 0,6 | -0,02 / -0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484518 | 844 DS-M | >60–80 | 0,6 | -0,025 / -0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484519 | 844 DS-M | >80–100 | 0,6 | -0,025 / -0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484520 | 844 DS-M | >100–110 | 0,6 | -0,025 / -0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484521 | 844 DS-M | >110–120 | 0,6 | -0,025 / -0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484522 | 844 DS-M | >120–130 | 0,6 | -0,025 / -0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484523 | 844 DS-M | >130–140 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484524 | 844 DS-M | >140–150 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484525 | 844 DS-M | >150–160 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484526 | 844 DS-M | >160–170 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484527 | 844 DS-M | >170–180 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484528 | 844 DS-M | >180–190 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484529 | 844 DS-M | >190–200 | 0,6 | -0,035 / -0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |



Marameter 844 D-HR

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



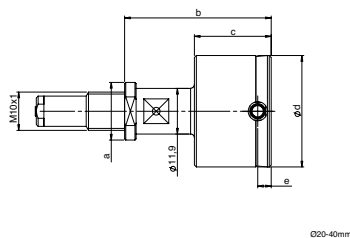
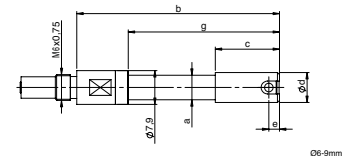
Application: Standard version for very tight tolerance fields less than 10 µm

Manufacturing tolerance of the guide cylinder reduced to 0.01 mm ($\pm 5 \mu\text{m}$) to reduce the axial and radial measuring influences

- For the rapid testing of diameter, roundness and conicity of bores
- Ideal for testing batches with very tight tolerance fields less than 10 µm
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation fe | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|------------------------|---------------------|------|------|----|-----|----|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484538 | 844 D-HR | 3–4 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | | 33,5 | 24 | 1,5 | 24 | M6x0,75 |
| 4484539 | 844 D-HR | >4–6 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 4 | 33,5 | 10 | 1,5 | 27 | M6x0,75 |
| 4484540 | 844 D-HR | >6–9 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 5,7 | 47 | 15 | 2,5 | 35 | M6x0,75 |
| 4484541 | 844 D-HR | >9–12 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484542 | 844 D-HR | >12–13 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 7,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484543 | 844 D-HR | >13–16 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 11,9 | 47 | 15 | 2,5 | 47 | M6x0,75 |
| 4484544 | 844 D-HR | >16–20 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 15 | 37,3 | 15 | 2,5 | | M10x1 |
| 4484545 | 844 D-HR | >20–30 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484546 | 844 D-HR | >30–40 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484547 | 844 D-HR | >40–60 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484548 | 844 D-HR | >60–80 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484549 | 844 D-HR | >80–100 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484550 | 844 D-HR | >100–110 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484551 | 844 D-HR | >110–120 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484552 | 844 D-HR | >120–130 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484553 | 844 D-HR | >130–140 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484554 | 844 D-HR | >140–150 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484555 | 844 D-HR | >150–160 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484556 | 844 D-HR | >160–170 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484557 | 844 D-HR | >170–180 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484558 | 844 D-HR | >180–190 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |
| 4484559 | 844 D-HR | >190–200 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 39 | 40 | 4 | | M10x1 |

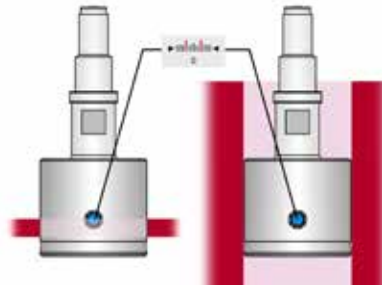


Marameter 844 DR-HR

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



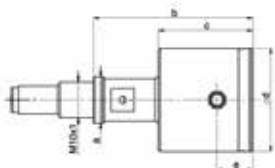
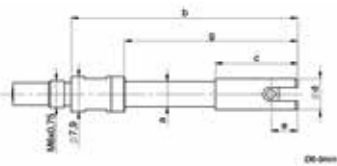
Application: Model for through holes, for very tight tolerance fields less than 10 µm

Manufacturing tolerance of the guide cylinder reduced to 0.01 mm (±5 µm) to reduce the axial and radial measuring influences

- With extended guide cylinder for measuring through holes from the edge of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Ideal for testing batches with very tight tolerance fields less than 10 µm
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|-----------|-----------------|----------------|-------------------------|---------------------------|---------------------|------|------|------|----|------|-------------------|
| | | mm | mm | mm / mm | | µm | mm | mm | mm | mm | mm | |
| 4484569 | 844 DR-HR | 4–6 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 4 | 38 | 14,5 | 6 | 31,5 | M6x0,75 |
| 4484570 | 844 DR-HR | >6–9 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 5,7 | 50,5 | 18,5 | 6 | 38,5 | M6x0,75 |
| 4484571 | 844 DR-HR | >9–12 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484572 | 844 DR-HR | >12–13 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 7,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484573 | 844 DR-HR | >13–16 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 11,9 | 54,5 | 22,5 | 10 | 54,5 | M6x0,75 |
| 4484574 | 844 DR-HR | >16–20 | 0,2 | -0,005 / -0,015 | 1 %, mind. 1 µm | 1 | 15 | 44,8 | 22,5 | 10 | | M10x1 |
| 4484575 | 844 DR-HR | >20–30 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484576 | 844 DR-HR | >30–40 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484577 | 844 DR-HR | >40–60 | 0,2 | -0,01 / -0,02 | 1 %, mind. 1 µm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484578 | 844 DR-HR | >60–80 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484579 | 844 DR-HR | >80–100 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484580 | 844 DR-HR | >100–110 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484581 | 844 DR-HR | >110–120 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484582 | 844 DR-HR | >120–130 | 0,2 | -0,015 / -0,025 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484583 | 844 DR-HR | >130–140 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484584 | 844 DR-HR | >140–150 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484585 | 844 DR-HR | >150–160 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484586 | 844 DR-HR | >160–170 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484587 | 844 DR-HR | >170–180 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484588 | 844 DR-HR | >180–190 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |
| 4484589 | 844 DR-HR | >190–200 | 0,2 | -0,025 / -0,035 | 1 %, mind. 1 µm | 1 | 17,9 | 45 | 40 | 10 | | M10x1 |



020-43mm

Marameter 844 DS-HR

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops



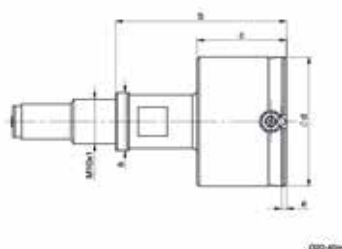
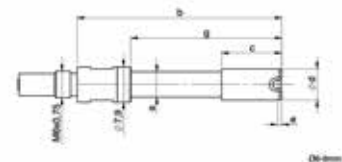
Application: Model for blind holes, for very tight tolerance fields less than 10 µm

Manufacturing tolerance of the guide cylinder reduced to 0.01 mm ($\pm 5 \mu\text{m}$) to reduce the axial and radial measuring influences

- For measurements close to the base of the hole
- For the rapid testing of diameter, roundness and conicity of bores
- Ideal for testing batches with very tight tolerance fields less than 10 µm
- Rocking in the bore is not required to determine diameter
- Therefore ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|-----------|-----------------|----------------|-------------------------|---------------------------|---------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484598 | 844 DS-HR | 3–4 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | | 33 | 23,5 | 1 | 23,5 | M6x0,75 |
| 4484599 | 844 DS-HR | >4–6 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 4 | 33 | 9,5 | 1 | 26,5 | M6x0,75 |
| 4484600 | 844 DS-HR | >6–9 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484601 | 844 DS-HR | >9–12 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484602 | 844 DS-HR | >12–13 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484603 | 844 DS-HR | >13–16 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484604 | 844 DS-HR | >16–20 | 0,2 | -0,005 / -0,015 | 1,5 %, mind. 1 µm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484605 | 844 DS-HR | >20–30 | 0,2 | -0,01 / -0,02 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484606 | 844 DS-HR | >30–40 | 0,2 | -0,01 / -0,02 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484607 | 844 DS-HR | >40–60 | 0,2 | -0,01 / -0,02 | 1,5 %, mind. 1 µm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484608 | 844 DS-HR | >60–80 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484609 | 844 DS-HR | >80–100 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484610 | 844 DS-HR | >100–110 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484611 | 844 DS-HR | >110–120 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484612 | 844 DS-HR | >120–130 | 0,2 | -0,015 / -0,025 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484613 | 844 DS-HR | >130–140 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484614 | 844 DS-HR | >140–150 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484615 | 844 DS-HR | >150–160 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484616 | 844 DS-HR | >160–170 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484617 | 844 DS-HR | >170–180 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484618 | 844 DS-HR | >180–190 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484619 | 844 DS-HR | >190–200 | 0,2 | -0,025 / -0,035 | 1,5 %, mind. 1 µm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |

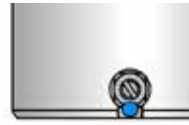
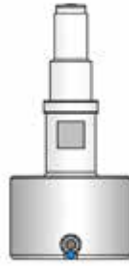


Marameter 844 DS-F

Indicating plug gage

FEATURES

- Measuring head has a hard chrome plated cylinder guide and carbide-tipped anvils
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

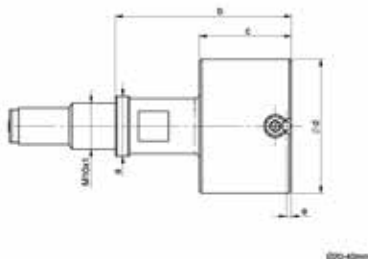


Application: Model for blind holes, with front chamfer
For measuring very short bores

- For measurements close to the base of the hole
- For rapid testing of diameter, roundness and conicity of bores
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|----------|-----------------|----------------|-------------------------|------------------------------|---------------------|------|------|------|-----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484627 | 844 DS-F | 2–2,999 | 0,15 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | | 20,7 | 14,2 | 0,7 | 14,2 | M6x0,75 |
| 4484628 | 844 DS-F | 3–4 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | | 33 | 23,5 | 1 | 23,5 | M6x0,75 |
| 4484629 | 844 DS-F | >4–6 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 4 | 33 | 9,5 | 1 | 26,5 | M6x0,75 |
| 4484630 | 844 DS-F | >6–9 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 5,7 | 45,5 | 13,5 | 1 | 33,5 | M6x0,75 |
| 4484631 | 844 DS-F | >9–12 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484632 | 844 DS-F | >12–13 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 7,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484633 | 844 DS-F | >13–16 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 11,9 | 45,5 | 13,5 | 1 | 45,5 | M6x0,75 |
| 4484634 | 844 DS-F | >16–20 | 0,2 | –0,015 / –0,025 | 1,5 %, mind. 1 μm | 1 | 15 | 35,8 | 13,5 | 1 | | M10x1 |
| 4484635 | 844 DS-F | >20–30 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484636 | 844 DS-F | >30–40 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 1,2 | | M10x1 |
| 4484637 | 844 DS-F | >40–60 | 0,2 | –0,02 / –0,03 | 1,5 %, mind. 1 μm | 1 | 15 | 38,2 | 28 | 1,2 | | M10x1 |
| 4484638 | 844 DS-F | >60–80 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484639 | 844 DS-F | >80–100 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484640 | 844 DS-F | >100–110 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484641 | 844 DS-F | >110–120 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484642 | 844 DS-F | >120–130 | 0,2 | –0,025 / –0,035 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484643 | 844 DS-F | >130–140 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484644 | 844 DS-F | >140–150 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484645 | 844 DS-F | >150–160 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 39 | 33 | 1,2 | | M10x1 |
| 4484646 | 844 DS-F | >160–170 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484647 | 844 DS-F | >170–180 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484648 | 844 DS-F | >180–190 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |
| 4484649 | 844 DS-F | >190–200 | 0,2 | –0,035 / –0,045 | 1,5 %, mind. 1 μm | 1 | 17,9 | 38,6 | 40 | 1,2 | | M10x1 |

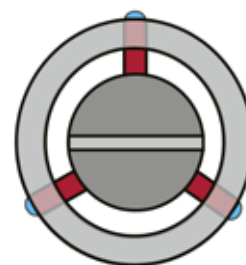
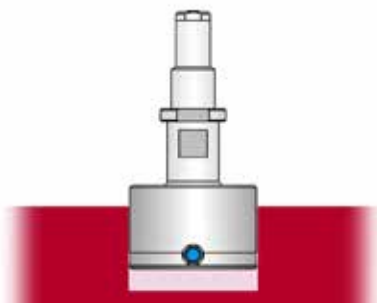


Marameter 844 D-3

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and carbide-tipped anvils (spaced at $3 \times 120^\circ$)
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

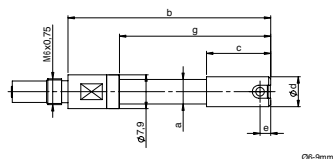


Application: Standard model, with 3-point contact (gaging contacts spaced $3 \times 120^\circ$)
For fast measurement of interrupted diameters and detection of form deviations in a polygon

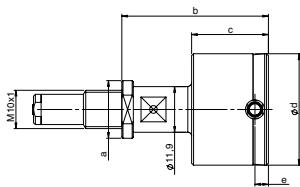
- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manufacturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|---------|-----------------|----------------|-------------------------|----------------------------|---------------------|------|------|----|-----|------|-------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484659 | 844 D-3 | 4-6 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 4 | 33,5 | 10 | 1,5 | 23,5 | M6x0,75 |
| 4484660 | 844 D-3 | >6-9 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 5,7 | 47 | 15 | 2,5 | 26,5 | M6x0,75 |
| 4484661 | 844 D-3 | >9-12 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 33,5 | M6x0,75 |
| 4484662 | 844 D-3 | >12-13 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 7,9 | 47 | 15 | 2,5 | 45,5 | M6x0,75 |
| 4484663 | 844 D-3 | >13-16 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 11,9 | 47 | 15 | 2,5 | 45,5 | M6x0,75 |
| 4484664 | 844 D-3 | >16-20 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 15 | 37 | 15 | 2,5 | 45,5 | M10x1 |
| 4484665 | 844 D-3 | >20-30 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484666 | 844 D-3 | >30-40 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 38,2 | 20 | 3,5 | | M10x1 |
| 4484667 | 844 D-3 | >40-60 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 38,2 | 28 | 3,5 | | M10x1 |
| 4484668 | 844 D-3 | >60-80 | 0,2 | -0,025 / -0,035 | 2 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |
| 4484669 | 844 D-3 | >80-100 | 0,2 | -0,025 / -0,035 | 2 %, mind. 1 μm | 1 | 17,9 | 38,8 | 33 | 4 | | M10x1 |



Ø6-9mm



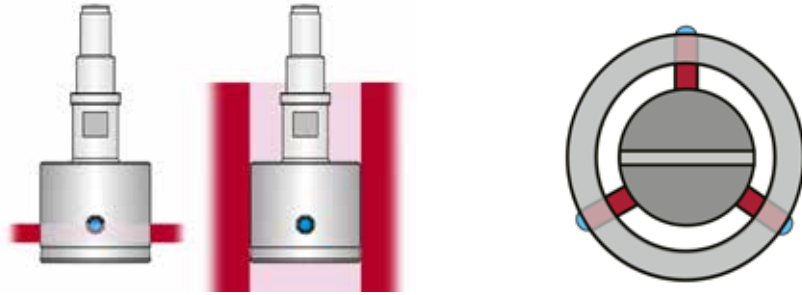
Ø20-40mm

Marameter 844 DR-3

Indicating plug gage

FEATURES

- Measuring head has hard chrome plated cylinder guide and carbide-tipped anvils (spaced at $3 \times 120^\circ$)
- The carbide expanding pin transfers radial movement to indicating instrument
- Constant measuring force as a result of built-in spring, eliminating user influence
- Extensive modular system is composed of measuring head, holder, depth extension, right angle attachments and depth stops

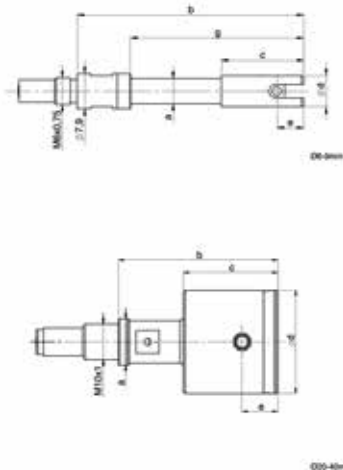


Application: Model for through holes, with 3-point contact (gaging contacts spaced $3 \times 120^\circ$)
For fast measurement of interrupted diameters and detection of form deviations in a polygon

- Especially suitable for testing batches with tight tolerance zones
- Rocking in the bore is not required to determine diameter
- Ideal for use in conjunction with digital display units and for subsequent processing of measured values

TECHNICAL DATA

| Order no. | Type | Measuring range | Measuring span | Manu- facturing tolerance | Linearity deviation f_e | Repeatability f_w | a | b | c | e | g | Connection thread |
|-----------|-------------|-----------------|----------------|---------------------------------|---------------------------------|------------------------|------|------|------|----|------|----------------------|
| | | mm | mm | mm / mm | | μm | mm | mm | mm | mm | mm | |
| 4484689 | 844 DR-3 | 4-6 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 4 | 38 | 14,5 | 6 | 23,5 | M6x0,75 |
| 4484690 | 844 DR-3 | >6-9 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 5,7 | 50,5 | 18,5 | 6 | 26,5 | M6x0,75 |
| 4484691 | 844 DR-3 | >9-12 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 33,5 | M6x0,75 |
| 4484692 | 844 DR-3 | >12-13 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 7,9 | 54,5 | 22,5 | 10 | 45,5 | M6x0,75 |
| 4484693 | 844 DR-3 | >13-16 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 11,9 | 54,5 | 22,5 | 10 | 45,5 | M6x0,75 |
| 4484694 | 844 DR-3 | >16-20 | 0,2 | -0,015 / -0,025 | 2 %, mind. 1 μm | 1 | 15 | 44,6 | 22,5 | 10 | 45,5 | M10x1 |
| 4484695 | 844 DR-3 | >20-30 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484696 | 844 DR-3 | >30-40 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 44,7 | 27 | 10 | | M10x1 |
| 4484697 | 844 DR-3 | >40-60 | 0,2 | -0,02 / -0,03 | 2 %, mind. 1 μm | 1 | 15 | 44,7 | 28 | 10 | | M10x1 |
| 4484698 | 844 DR-3 | >60-80 | 0,2 | -0,025 / -0,035 | 2 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |
| 4484699 | 844 DR-3 | >80-100 | 0,2 | -0,025 / -0,035 | 2 %, mind. 1 μm | 1 | 17,9 | 44,8 | 33 | 10 | | M10x1 |



Marameter 844 Dgk / 844 Dga / 844 Dg / 844 Dg-XL

Holder for Plug Gage

FEATURES

The measuring instrument holder comprises a handle with a transfer rod, other properties:

- Holder for upper cylinder shaft Ø8 mm, for display unit e.g. dial comparator or digital dial indicator
- Lower connecting thread to hold a bore plug gage 844 D / 844 DR / 844 DS



Application:

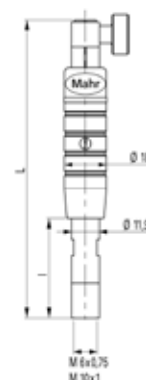
Type 844 Dga: Special design with retraction button, advantageous e.g. for sensitive workpieces for easier insertion of a plug gage in blind hole design 844 DS. We recommend it for small and sensitive bores.

Type 844 Dg-XL: Heavy duty and stable design for large plug gages (possible from Ø 60 mm), especially when using measuring depth extensions 844 Dv (Ø 18 mm) for large measuring depths.

TECHNICAL DATA

| Order no. | Type | Mount Ø | Design | Dimension L | Connection thread |
|-----------|-----------|---------|---------------------|-------------|-------------------|
| | | mm | | mm | |
| 4484750 | 844 Dgk | 8 mm | short design | 59 | M10 x 1 |
| 4484751 | 844 Dga | 8 mm | with retract button | 83 | M10 x 1 |
| 4484752 | 844 Dg | 8 mm | standard design | 109 | M6 x 0,75 |
| 4484753 | 844 Dg | 8 mm | standard design | 109 | M10 x 1 |
| 4484754 | 844 Dg | 8 mm | standard design | 239 | M6 x 0,75 |
| 4484755 | 844 Dg | 8 mm | Standard design | 249 | M10 x 1 |
| 4484756 | 844 Dg-XL | 8 mm | extra stable design | 154 | M10 x 1 |
| 4484757 | 844 Dg-XL | 8 mm | extra stable design | 244 | M10 x 1 |
| 4484758 | 844 Dgk-Z | 3/8" | standard design | 59 | M10 x 1 |
| 4484759 | 844 Dg-Z | 3/8" | short design | 109 | M10 x 1 |

| Order no. | Dimension L | d1 | d2 | l | Mount Ø |
|-----------|-------------|------|----|-----|---------|
| | mm | mm | mm | mm | mm |
| 4484750 | 59 | 11,9 | 18 | 11 | 8 mm |
| 4484751 | 83 | 11,9 | 18 | 36 | 8 mm |
| 4484752 | 109 | 11,9 | 18 | 30 | 8 mm |
| 4484753 | 109 | 11,9 | 18 | 40 | 8 mm |
| 4484754 | 239 | 11,9 | 18 | 137 | 8 mm |
| 4484755 | 249 | 11,9 | 18 | 147 | 8 mm |
| 4484756 | 154 | 17,9 | 26 | 38 | 8 mm |
| 4484757 | 244 | 17,9 | 26 | 128 | 8 mm |
| 4484758 | 59 | 11,9 | 18 | 11 | 3/8" |
| 4484759 | 109 | 11,9 | 18 | 30 | 3/8" |



ACCESSORIES

| Order no. | Description | Type |
|-----------|---------------------------------------|-----------|
| 4334000 | Millimess 1 µm, ± 50 µm | 1003 |
| 4334102 | Millimess 0,5 µm, ± 25 µm | 1002 |
| 4337620 | Digital indicator, 0,0005 mm, 12,5 mm | 1086 R |
| 4337624 | Digital indicator, 0,0005 mm, 12,5 mm | 1086 Ri |
| 4337697 | Digital indicator, 0,0001 mm, 12,5 mm | 1086 R-HR |



Marameter 844 Dge

Plug Gage Holder for inductive Probe

FEATURES

The plug gage holders for inductive probes consist of a handle with cable protection on top. Further features:

- Fixture (in the handle) for an inductive probe \varnothing 8 mm e.g. P2004-M for connection to an amplifier e.g. C1200-M
- Integrated fine adjustment for best probe setting
- Connection thread at the bottom to mount a bore gage 844 D / 844 DR / 844 DS.



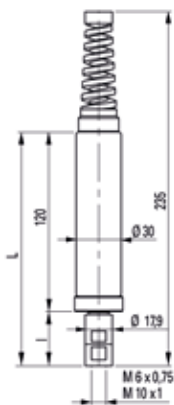
Application:

Special plug gage holders for precise measurements with inductive probes.

- Mounting element in the holder for inductive probes with cylindrical shaft \varnothing 8 mm
- Cable socket with bend protection
- Fine adjustment attachment for the inductive probe
- Connection thread at the bottom for mounting a plug gage 844 D / 844 DR / 844 DS

TECHNICAL DATA

| Order no. | Type | Dimension L | l | Connection thread |
|-----------|---------|-------------|----|-------------------|
| | | mm | mm | |
| 4484760 | 844 Dge | 146 | 26 | M6x0,75 |
| 4484761 | 844 Dge | 156 | 36 | M10x1 |



ACCESSORIES

| Order no. | Description | Type |
|-----------|-----------------------------|----------|
| 5312012 | Compact amplifier | C 1200 M |
| 5323010 | Inductive probe, \pm 2 mm | P2004 M |



Marameter 844 Dv

Extension for measuring depth

FEATURES

The 844 Dv depth extension are screwed in between holder 844 Dg and plug gage 844 D / 844 DR / 844 DS (if necessary right angle attachment 844 Dw)

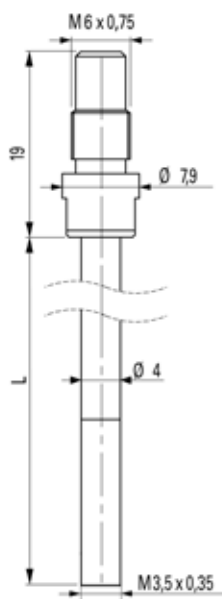


Application:

- For bore measurement at larger depths
- Practical additional function as clamping shank for depth measuring stops 844 Dt

TECHNICAL DATA

| Order no. | Type | Dimension L | d1 | d2 | Connection thread |
|-----------|--------|-------------|------|-----|---------------------|
| | | mm | mm | mm | |
| 4484770 | 844 Dv | 49 | 4 | 7,9 | M6x0,75 / M3,5x0,35 |
| 4484771 | 844 Dv | 99 | 4 | 7,9 | M6x0,75 / M3,5x0,35 |
| 4484772 | 844 Dv | 149 | 4 | 7,9 | M6x0,75 / M3,5x0,35 |
| 4484773 | 844 Dv | 249 | 4 | 7,9 | M6x0,75 / M3,5x0,35 |
| 4484774 | 844 Dv | 50 | 6,5 | 7,9 | M6x0,75 |
| 4484775 | 844 Dv | 100 | 6,5 | 7,9 | M6x0,75 |
| 4484776 | 844 Dv | 150 | 6,5 | 7,9 | M6x0,75 |
| 4484777 | 844 Dv | 250 | 6,5 | 7,9 | M6x0,75 |
| 4484778 | 844 Dv | 500 | 6,5 | 7,9 | M6x0,75 |
| 4484779 | 844 Dv | 48 | 11,9 | 15 | M10x1 |
| 4484780 | 844 Dv | 98 | 11,9 | 15 | M10x1 |
| 4484781 | 844 Dv | 248 | 11,9 | 15 | M10x1 |
| 4484782 | 844 Dv | 498 | 11,9 | 15 | M10x1 |
| 4484783 | 844 Dv | 750 | 11,9 | 15 | M10x1 |
| 4484784 | 844 Dv | 1000 | 11,9 | 15 | M10x1 |
| 4484785 | 844 Dv | 100 | 17,9 | | M10x1 |
| 4484786 | 844 Dv | 250 | 17,9 | | M10x1 |
| 4484787 | 844 Dv | 500 | 17,9 | | M10x1 |
| 4484788 | 844 Dv | 750 | 17,9 | | M10x1 |
| 4484789 | 844 Dv | 1000 | 17,9 | | M10x1 |

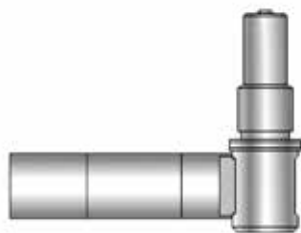


Marameter 844 Dw

Right Angle attachment

FEATURES

The 844 Dw right angle attachment are screwed in between holder 844 Dg and plug gage 844 D / 844 DR / 844 DS (if necessary extensions 844 Dv)



Application:

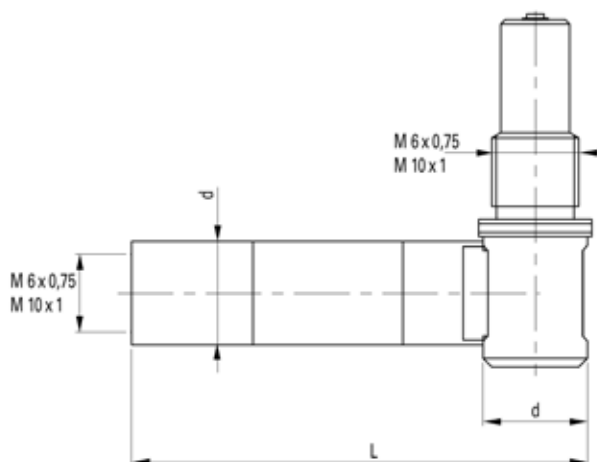
For space-saving and side entering measurement of bores

Typical measuring problem situations:

- Narrow conditions in turning and grinding machines
- Side outgoing bores or bearing points in housings

TECHNICAL DATA

| Order no. | Type | Dimension L | d | Connection thread |
|-----------|--------|-------------|------|-------------------|
| | | mm | mm | |
| 4473409 | 844 Kw | 29 | 7,9 | M6x0,75 |
| 4484790 | 844 Dw | 53 | 11,9 | M10x1 |
| 4484791 | 844 Dw | 56 | 17,9 | M10x1 |

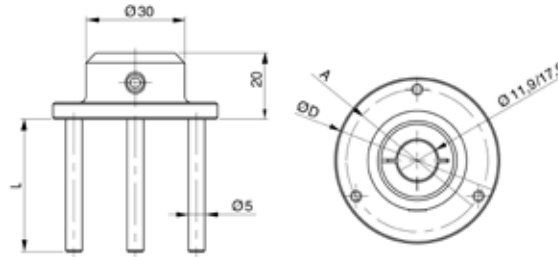


Marameter 844 Dt-3

Depth stop with 3-point touching

FEATURES

For clamping on the shaft of the plug gage holder 844 Dg or measuring depth extension 844 Dv



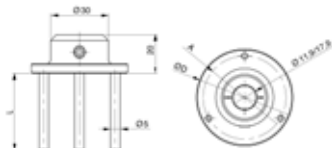
Application:

For measuring at a defined and repeatable measuring depth and to eliminate a tilt error

TECHNICAL DATA

| Order no. | Type | Application range mm | Mount Ø | Stop surface diameter A |
|-----------|----------|----------------------------------|--|-------------------------------|
| | | mm | mm | mm |
| 4484810 | 844 Dt-3 | for Plug Gages Ø 20 –60 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Diameter Plug Gage + 14 mm |
| 4484811 | 844 Dt-3 | for Plug Gages Ø >60 –80 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Diameter Plug Gage + 14 mm |
| 4484812 | 844 Dt-3 | for Plug Gages Ø >80 –100 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Diameter Plug Gage + 14 mm |
| 4484813 | 844 Dt-3 | for Plug Gages Ø >100 –150 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Diameter Plug Gage + 14 mm |

| Order no. | L mm | Stop surface diameter A | Mount Ø |
|-----------|--|-------------------------------|--|
| | | mm | mm |
| 4484810 | Individual adaptation/ specification in case to plug gage | Diameter Plug Gage + 14 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv |
| 4484811 | Individual adaptation/ specification in case to plug gage | Diameter Plug Gage + 14 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv |
| 4484812 | Individual adaptation/ specification in case to plug gage | Diameter Plug Gage + 14 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv |
| 4484813 | Individual adaptation/ specification in case to plug gage | Diameter Plug Gage + 14 mm | Ø 11,9 mm or Ø 17,9 mm As specified, depending on clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv |

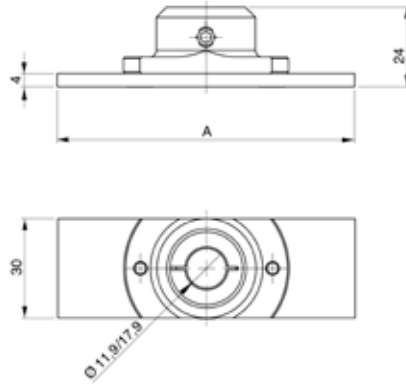


Marameter 844 Dt-B

Depth-Stop Bridge

FEATURES

For clamping on the shaft of the plug gage holder 844 Dg or measuring depth extension 844 Dv



Application:

For measuring at a defined and repeatable measuring depth and to eliminate a tilt error

TECHNICAL DATA

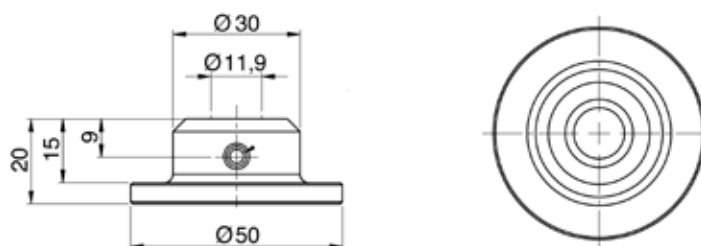
| Order no. | Type | Application range | Mount Ø | Stop surface diameter A |
|-----------|----------|----------------------------------|--|---------------------------------|
| | | mm | mm | mm |
| 4484821 | 844 Dt-B | for Plug Gages Ø 16 –60 mm | Ø 11,9 mm or Ø 17,9 mm As specified, according to clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Bore plug gage diameter + 10 mm |
| 4484822 | 844 Dt-B | for Plug Gages Ø >60 –80 mm | Ø 11,9 mm or Ø 17,9 mm As specified, according to clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Bore plug gage diameter + 10 mm |
| 4484823 | 844 Dt-B | for Plug Gages Ø >80 –100 mm | Ø 11,9 mm or Ø 17,9 mm As specified, according to clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Bore plug gage diameter + 10 mm |
| 4484824 | 844 Dt-B | for Plug Gages Ø >100 –160 mm | Ø 11,9 mm or Ø 17,9 mm As specified, according to clamping shank Ø of holder 844 Dg/Dg-XL or measuring depth extension 844 Dv | Bore plug gage diameter + 10 mm |

Marameter 844 Dt-S

Depth-Stop Disc

FEATURES

Full round design. For clamping on the shaft of the plug gage holder 844 Dg or measuring depth extension 844 Dv



Application:

For measuring at a defined and repeatable measuring depth and to eliminate a tilt error

TECHNICAL DATA

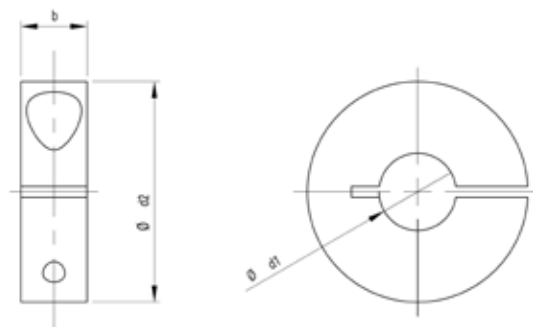
| Order no. | Type | Application range mm | Mount Ø | Stop surface diameter A |
|-----------|----------|----------------------------|-----------|-----------------------------------|
| | | mm | mm | mm |
| 4484820 | 844 Dt-S | for Plug Gages Ø 16 –40 mm | Ø 11,9 mm | Full round design, diameter 50 mm |

Marameter 844 Dt-R

Depth-Stop Ring

FEATURES

For clamping direct on guide cylinder of plug gage 844 D / 844 DR / 844 DS



Application:

For measuring at a defined and repeatable measuring depth and to eliminate a tilt error

TECHNICAL DATA

| Order no. | Type | Application range mm |
|-----------|----------|--|
| | | mm |
| 4484800 | 844 Dt-R | for Plug Gages \varnothing 3 –40 mm |
| 4484801 | 844 Dt-R | for Plug Gages \varnothing >40 –60 mm |
| 4484802 | 844 Dt-R | for Plug Gages \varnothing >60 –90 mm |
| 4484803 | 844 Dt-R | for Plug Gages \varnothing >90 –105 mm |



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