HELIOS · PREISSER




# METROLOGY CATALOGUE 2017/2018

In Germany at home – in demand worldwide

**www.helios-preisser.de**



# METROLOGY | 2017 / 2018

**In Germany at home – in demand worldwide**

# LOCATION
# GERMANY




Certified according to DIN EN ISO 9001:2015




# OUR HEADQUARTERS
## in GAMMERTINGEN





## For you, **we will go the LIMIT –** and **BEYOND.**

Many years ago, we set our sights for Europe with a first-class selection. Today, we are represented in many countries with our “Made in Germany” philosophy. These markets are operating with resounding success and continually provide customer-oriented support. Of course, we have not forgotten where we came from. In the German market, which is extremely important to us, we have always strived to live up to the expectations of our customers. In this way, we can continue to set trends with new innovations and finely segmented service. Whether user-friendly technical, visual, or haptic innovations – as a hands-on company, we remain a flexible partner that redefines service boundaries and takes on challenges related to measurement.

In this catalogue, you will find both established products and new innovations. For example, our callipers feature wireless data transmission – the results are directly transferred from the measuring device to your PC via the integrated wireless transmitter. Cable is a thing of the past. Now your results are quickly and directly transmitted to where you need them – without communication error.

By the way: If you need something or we can support your measurement needs in any way, please let us know. The HELIOS-PREISSER team is happy to be of service.

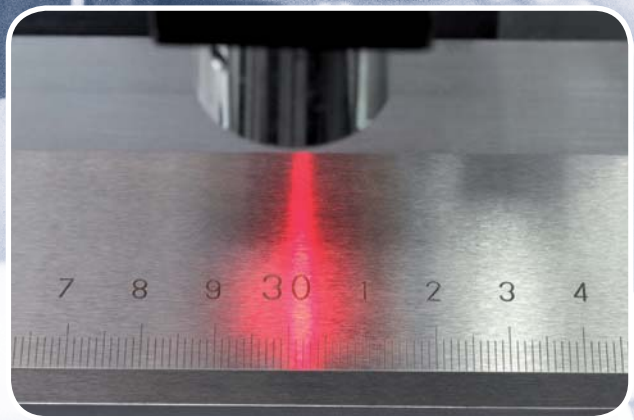
**Rainer Fahrenholz**
Managing Director

# **WE** ARE AN **APPROVED TRAINING COMPANY**

Our trainees are an important part of our corporate structure, because we rely on qualified and motivated employees.









## We continuously combine **PRECISION** with **INNOVATION,**

generate new ideas, and refine and optimise established products – the only way we can continue to rank among the best. With modern equipment and the CAD/CAM system via the machining centre – including automatic pallet feed for non-stop 24-hour operation until the temperature-controlled environment – we manufacture “Made in Germany” precision measurement technology. One number highlights how important attention to detail is. By establishing a modern laser scaling system with built-in video system, we achieve an accuracy of < 0.0025 mm at a length of 1000 mm. We set these standards in all areas of our production and offer our customers a quality that is almost unparalleled in Europe and internationally.

For us, customer orientation gives us the drive to aim for even greater heights. Our well-trained employees play an important role; their unique expertise is the basis of our success. To maintain this high standard, we regularly train young individuals. After graduation, we take them on and continue to promote their professional development. By doing so, we ensure that we will continue to be an excellent partner for our customers – with certified production on the Swabian Alb as well as a highly skilled and flexible team.

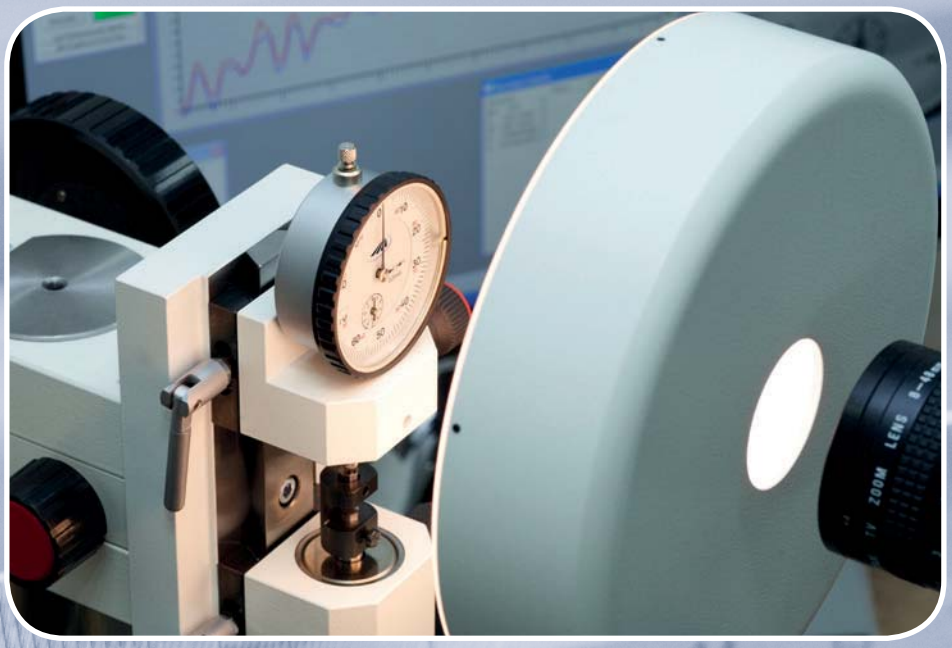
Siegfried Lorch

**Siegfried Lorch**
Managing Director

NEW

# R-A-S

Reparatur Austausch System









# **SERVICE** THAT LEAVES NO **QUESTIONS UNASKED**

Flexible and fast – that's what matters, especially when you need us. For example, if your measuring equipment is defective. Our new repair–exchange system therefore offers impressive advantages for many products:

- Instead of time-consuming repairs, we offer you a refurbished unit with the required precision that is ready to use.
- This considerably minimises your downtime.
- There are no unexpected repair costs and
- You receive a six-month warranty on our replacement devices.

Because we always like to offer our customers more, we are here for you with our proven service:

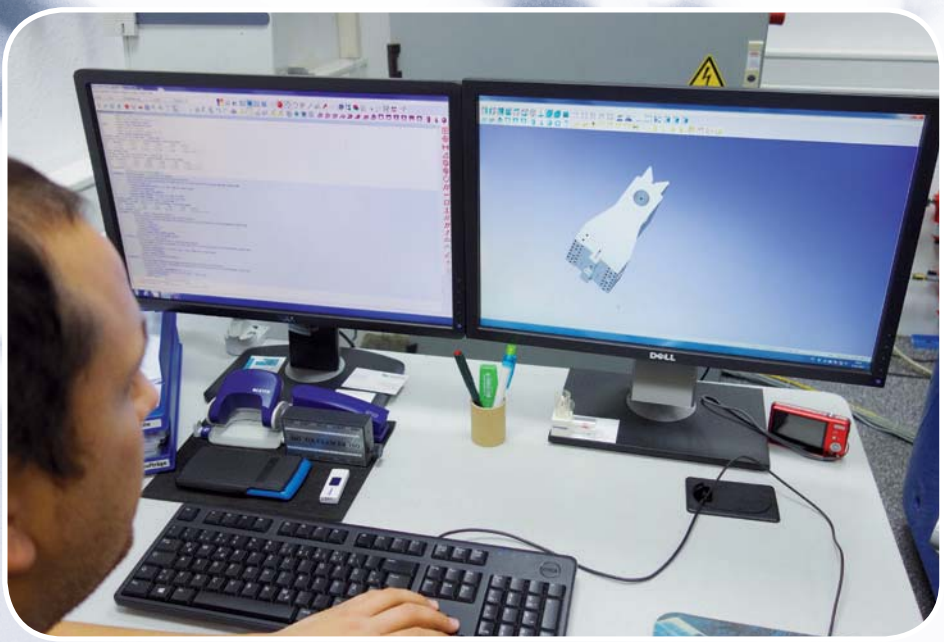
- Professional after-sales service for your measuring equipment.
- Technical advice and support.
- Trade-oriented product training.

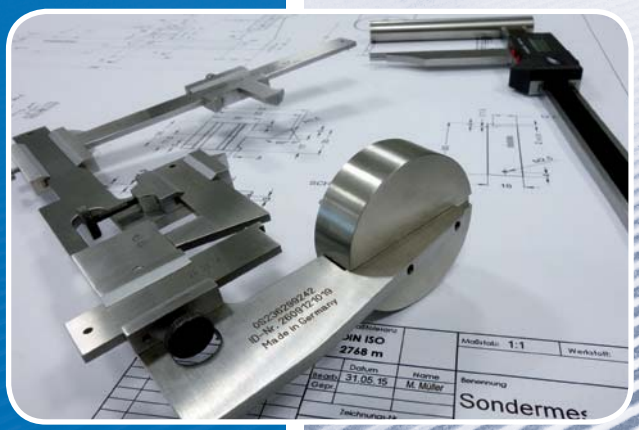
For more than 75 years we have been demonstrating our expertise on a daily basis.

Let yourself be inspired by a commercially attractive combination, the fine quality, absolute precision, and customised service combined in a single phrase: HELIOS-PREISSER.

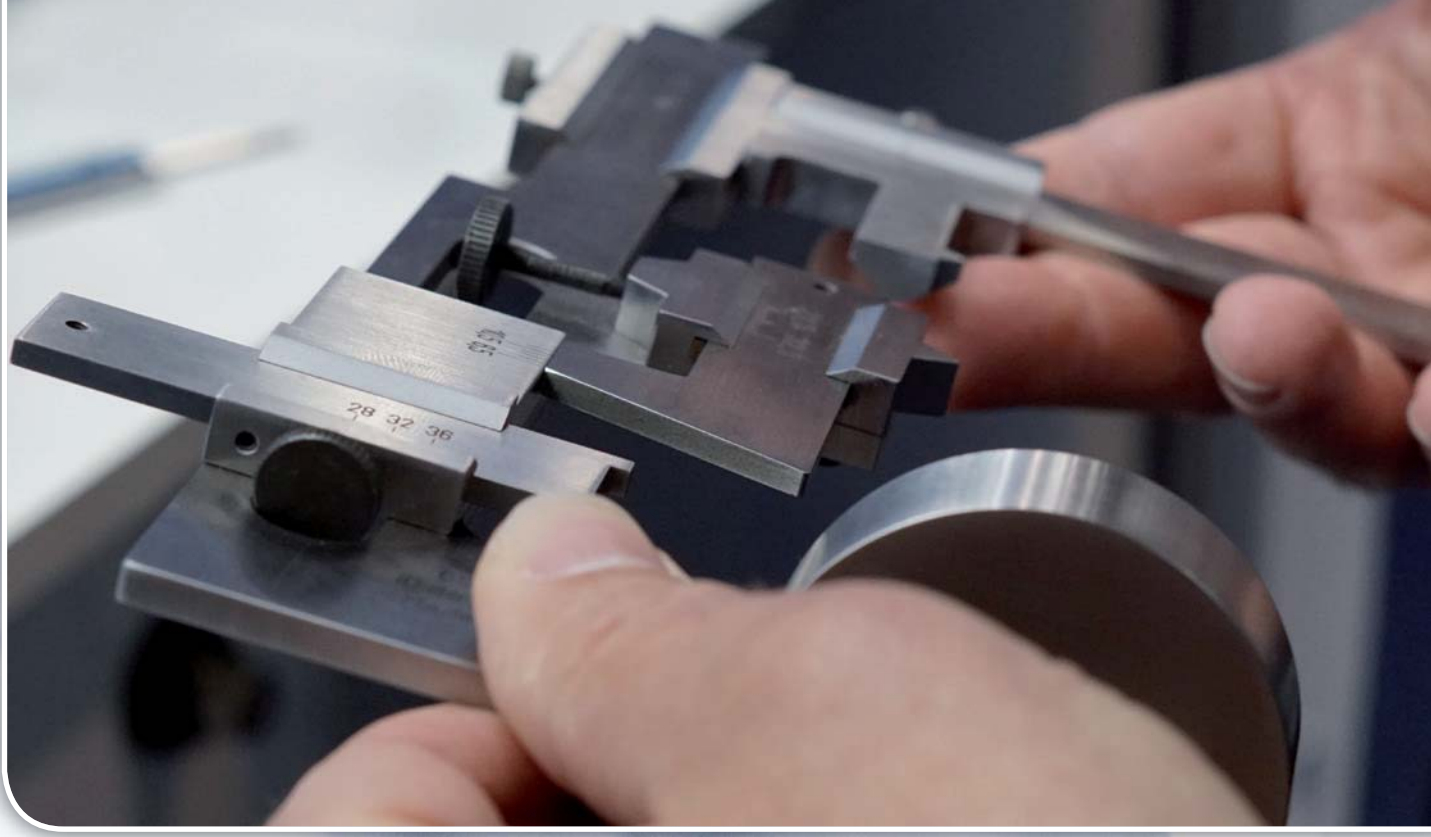
# OUR **PARTICULAR STRENGTH:**

Precision measuring instruments in the highest quality. Developed and produced by us for your specific requirements and areas of application.







# CUSTOM MADE PRODUCTS
## ACCORDING TO CUSTOMER
# SPECIFICATIONS

**This statement is as true for our overall product range as it is for individual items**

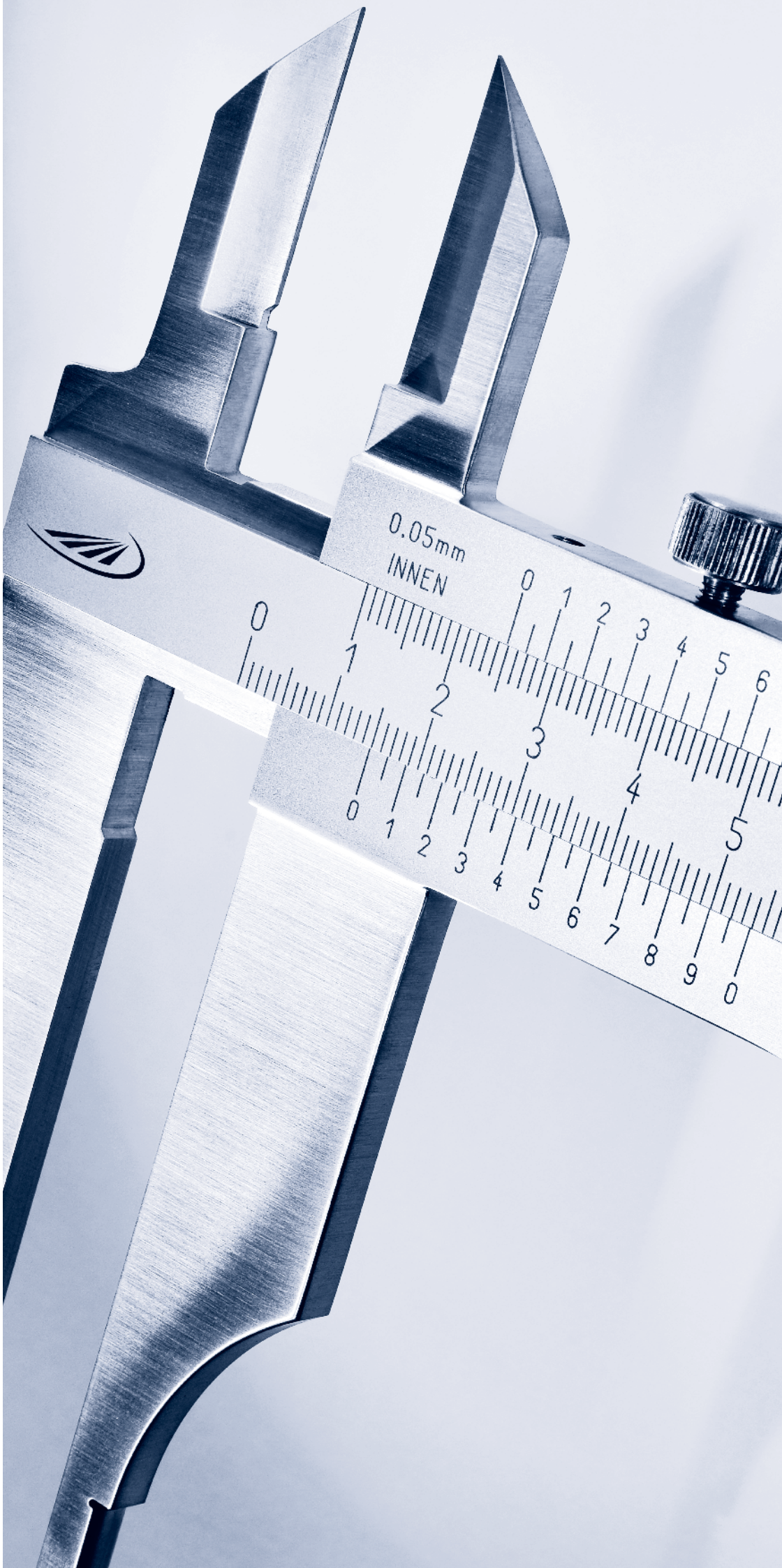
such as digital calipers, gauges and external micrometers. Whether universal or special, our options range from small, handy vernier digital pocket calipers to versatile, highly accurate comparators.

**What sets all of our products apart, regardless of variant, is their utmost precision and a very special strength:**

customisation according to your wishes.

**We offer the same quality in all other areas of portable measurement technology,**

including advice from experienced staff, problem solving, training, calibration... There's one thing you can completely rely on: anything displaying the HELIOS-PREISSER logo meets the highest standards. Guaranteed!

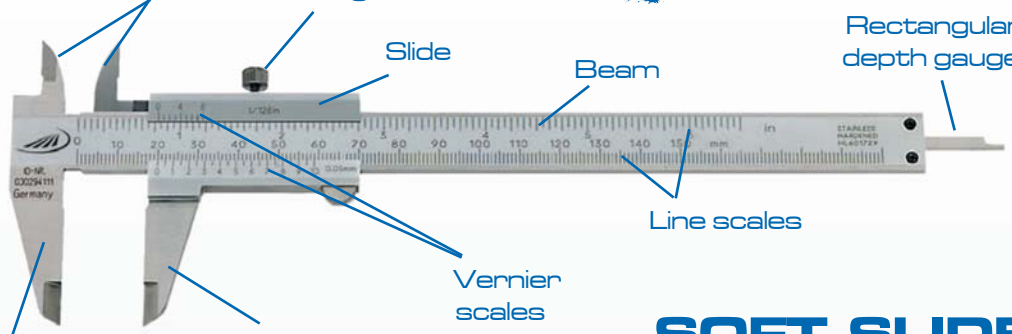

0.05mm
INNEN

# CONTENTS CATALOGUE


| | | |
|---|---|---|
| 1 | Calipers |  |
| 2 | Micrometers |  |
| 3 | Dial gauges and Indicating instruments |  |
| 4 | Marking instruments |  |
| 5 | Squares, Protractors, Bevel protractors |  |
| 6 | Inspection equipment, Standards, Rules |  |
| 7 | Data transmission |  |
| 8 | Calibration service, Order number index, Keyword index |  |

HELIOS · PREISSER

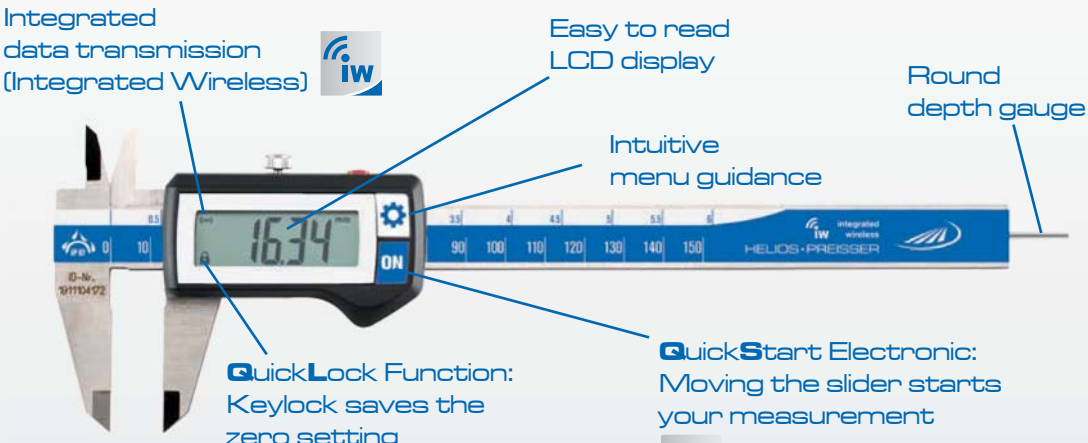
# SAMPLES **CALIPER**




NEW

**SOFT-SLIDE**
smooth running due to twice lapped guide surface

---

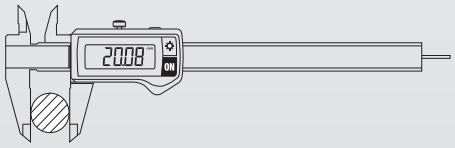



NEW

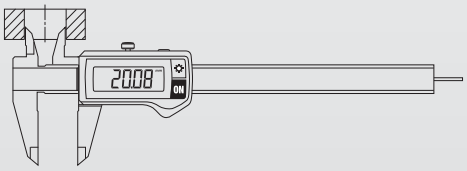
**1326i**
with integrated wireless

## Possible application for **calipers**

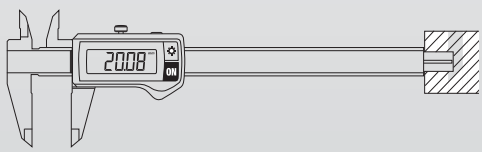
### External measurement



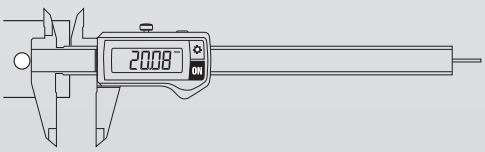
### Internal measurement



### Depth measurement



### Step (distance) measurement

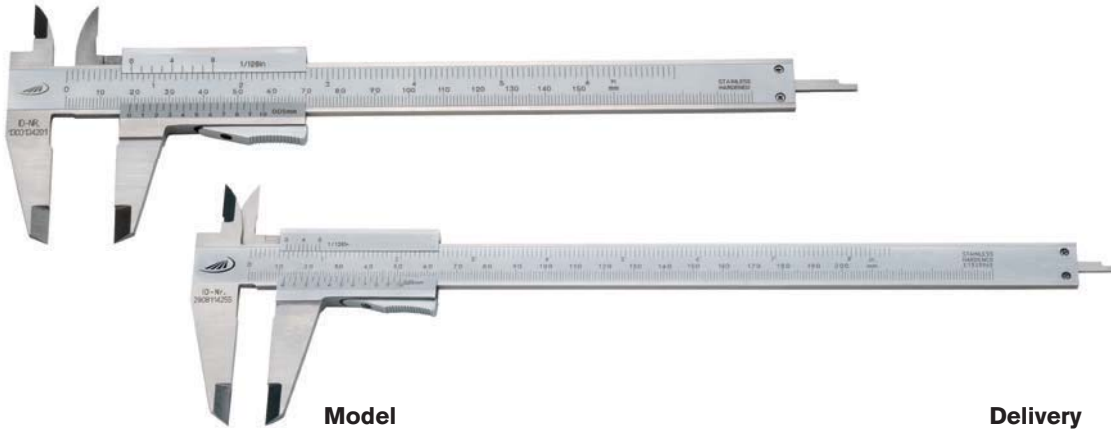


# 1. CHAPTER CALIPERS


| | |
|---|---|
| 14 | Pocket vernier calipers |
| 20 | Pocket calipers / Tyre profile depth gauge |
| 21 | Pocket calipers with dial |
| 22 | Measuring tool sets |
| 24 | Digital pocket calipers |
| 30 | Digital pocket calipers for specific measuring tasks |
| 36 | Steel gauge block inspection set for calipers |
| 37 | Vernier workshop calipers |
| 44 | Workshop caliper with dial / Lightweight workshop calipers |
| 45 | Analogue caliper with cross points / gripper points |
| 46 | Digital workshop calipers |
| 57 | Contraction vernier calipers |
| 59 | Calipers for external locking grooves |
| 60 | Brake drum vernier calipers / Brake disc inspection gauges |
| 61 | Calipers for internal locking grooves |
| 62 | Calipers for 3/5 point measurement / for milling tool setting |
| 64 | Chamfer / Radius gauges |
| 64 | Gear tooth calipers |
| 65 | Vernier depth gauges |
| 69 | Digital depth gauges |
| 77 | Digital depth gauges with interchangeable inserts |
| 80 | Digital depth gauge for one-handed operation |
| 82 | Digital mounting scales |
| 83 | Wooden cases |

## 0184 Pocket vernier calipers

DIN 862



**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

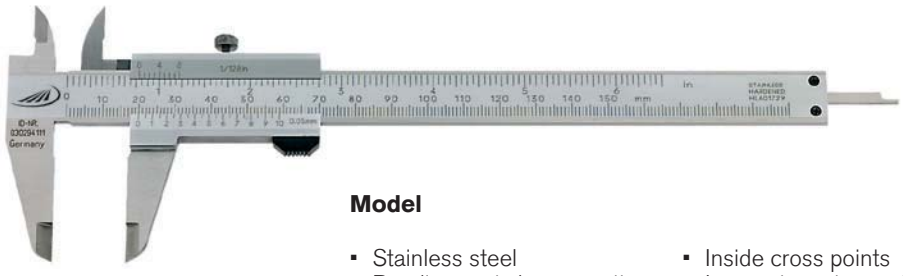
**Delivery**

- Imitation leather case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **With thumb clamp** | | | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0184 501 | 25.00 |
| | | 0 - 200 | 0 - 8 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0184 505 | 33.00 |
| | | 0 - 300 | 0 - 12 | 50 | 2.0 | 0.05 | 1/128 | 0.05 | none | 0184 508 | 49.00 |

## 0185 Pocket vernier calipers

DIN 862



**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

**Delivery**

- Imitation leather case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **With locking screw** | | | | | | | | | | | |
| | | 0 - 100 | 0 - 4 | 30 | 1.2 | 0.05 | | 0.05 | rect. | 0185 500 | 19.50 |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0185 501 | 25.00 |
| | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.05 | 1/128 | 0.05 | rect. | 0185 505 | 33.00 |
| | | 0 - 300 | 0 - 12 | 60 | 2.4 | 0.05 | 1/128 | 0.05 | none | 0185 508 | 49.00 |

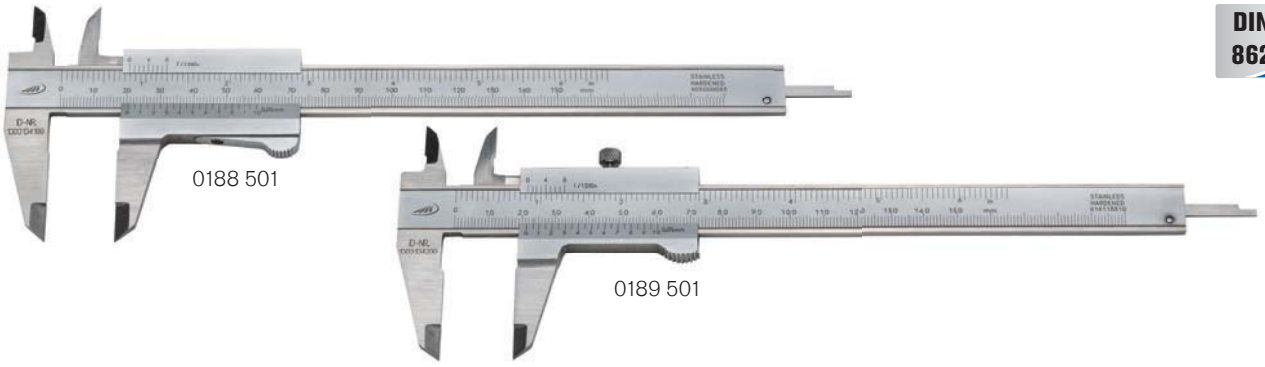


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0188 / 0189 Pocket vernier calipers

DIN 862




**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

**Delivery**

- Imitation leather case

| | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **With thumb clamp** | | | | | | | | | | |
| | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0188 501 | 22.00 |
| **With locking screw** | | | | | | | | | | |
| | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0189 501 | 22.00 |

## 0194 / 0195 Pocket vernier calipers with round depth rod

DIN 862




**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

**Delivery**

- Imitation leather case

| | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **With thumb clamp** | | | | | | | | | | |
| | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | round 1.6 | 0194 501 | 26.00 |
| **With locking screw** | | | | | | | | | | |
| | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | round 1.6 | 0195 501 | 26.00 |

## 0196 Pocket vernier calipers with reading 0.02 mm

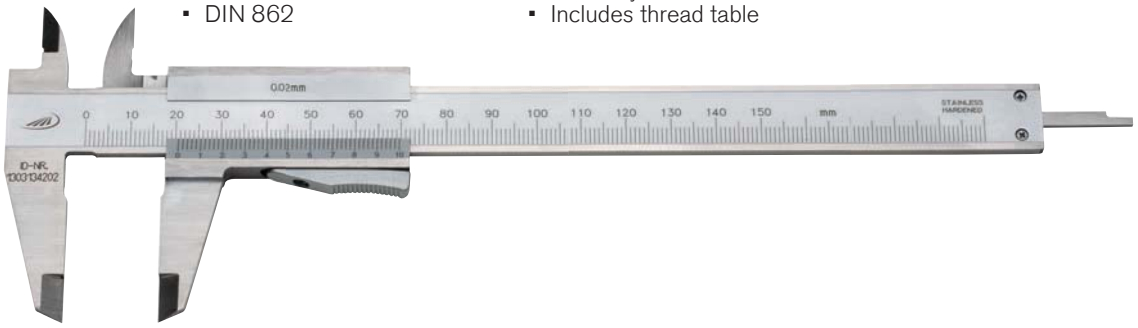
**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

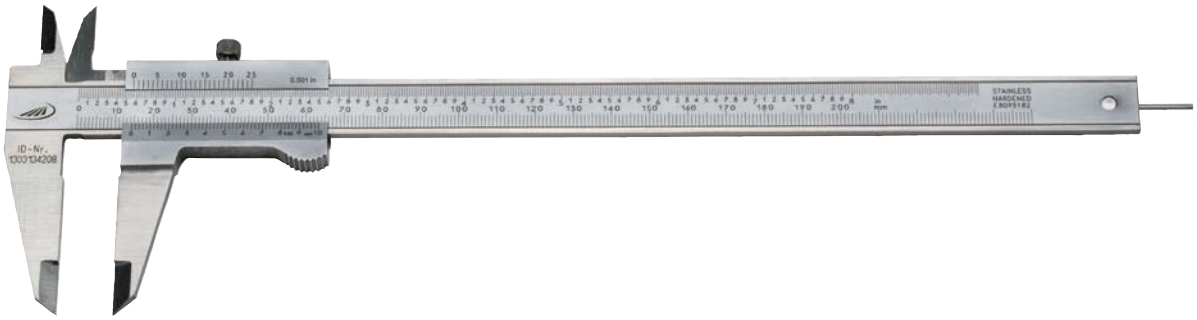
**Delivery**

- Imitation leather case

DIN 862




| ⋈ | | Measuring range | | Jaw length | | Reading | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | mm | | EUR |
| **With thumb clamp** | | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.02 | 0.03 | rect. | 019650 105 | 24.10 |




| ⋈ | | Measuring range | | Jaw length | | Reading | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | mm | | EUR |
| **With locking screw** | | | | | | | | | | |
| | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.02 | 0.03 | round 1.6 | 019650 516 | 34.50 |



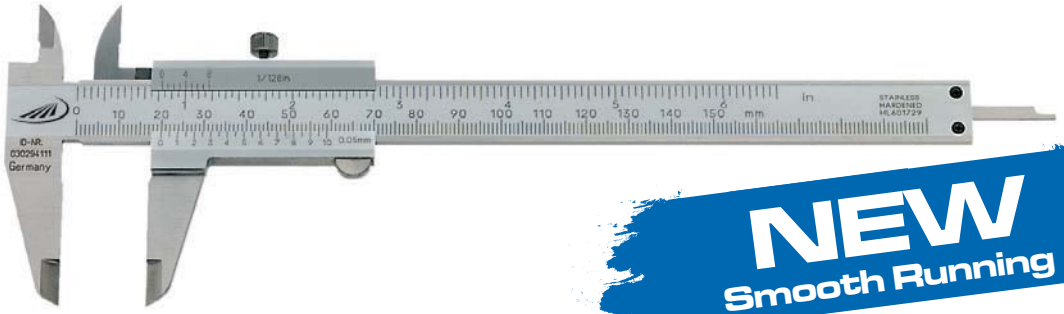

| ⋈ | | Measuring range | | Jaw length | | Reading | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | mm | | EUR |
| **With locking screw** | | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.02 | 0.03 | rect. | 019650 116 | 24.10 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0197 Pocket vernier calipers SOFT - SLIDE



DIN 862

NEW
Smooth Running

### Model

- Smooth running due to twice lapped guide surface
- Stainless steel
- Reading parts have a satin chrome finish

- DIN 862
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

### Delivery

- Imitation leather case

| Measuring range mm | Measuring range inch | Jaw length mm | Jaw length inch | Reading mm | Error limit mm | Depth gauge mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 0.05 | rect. | 0197 501 | 32.00 |
| 0 - 200 | 0 - 8 | 50 | 2.0 | 0.05 | 0.05 | rect. | 0197 505 | 75.00 |
| 0 - 300 | 0 - 12 | 60 | 2.4 | 0.05 | 0.05 | none | 0197 508 | 149.00 |

## 0198 / 0199 Pocket vernier calipers with parallax-free reading



DIN 862

### Model

- **Parallax-free reading**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862

- Inside cross points
- Four way measurement
- Includes thread table

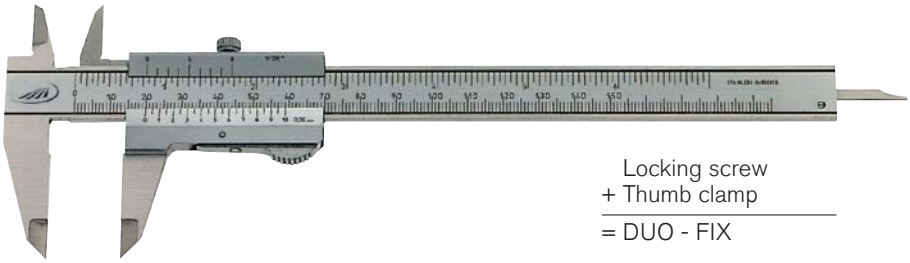
### Delivery

- Imitation leather case

| Measuring range mm | Measuring range inch | Jaw length mm | Jaw length inch | Reading mm | Reading inch | Error limit mm | Depth gauge mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| **With thumb clamp** | | | | | | | | | |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0198 501 | 29.50 |
| **With locking screw** | | | | | | | | | |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0199 501 | 29.50 |

## 0190 Pocket vernier caliper DUO-FIX

DIN 862






**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Thumb clamp **and** locking screw
- Inside cross points
- Low-set master scale
- Four way measurement
- Includes thread table

**Delivery**

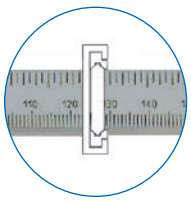
- Imitation leather case

| Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0190 501 | 26.00 |

## 0203 Precision pocket vernier caliper PRISMA

DIN 862





**Model**

- **Parallax-free reading**
- **Double prisma guide with excellent sliding characteristics**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Low-set locking screw
- Inside cross points
- Four way measurement
- Includes thread table

**Delivery**

- Imitation leather case

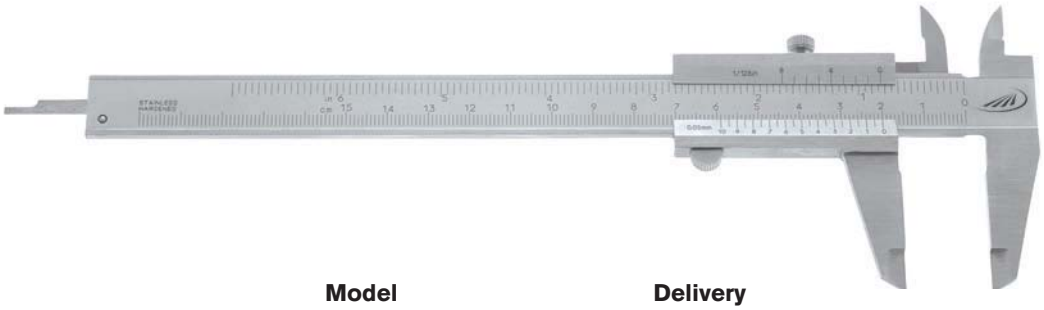
| Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0203 501 | 49.50 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0182 Pocket vernier caliper for lefthanded



**Model**

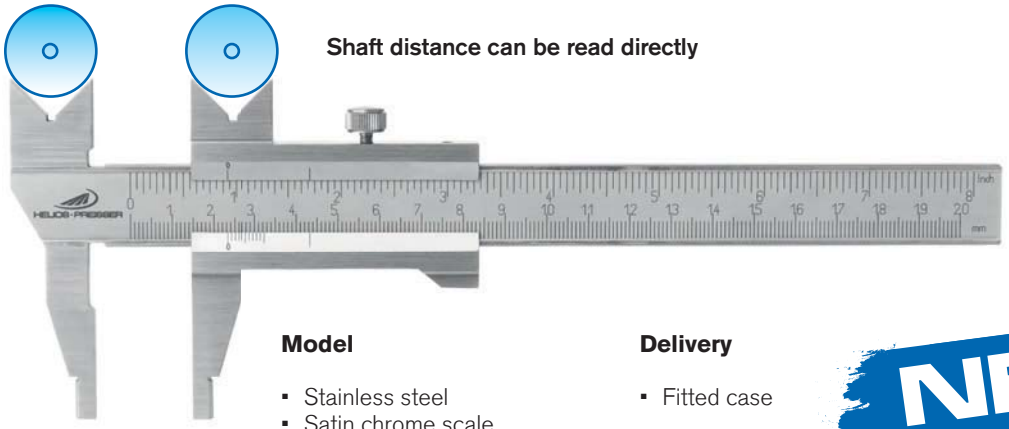
- Stainless steel
- Reading parts have a satin chrome finish
- Locking screw
- Factory standard

**Delivery**

- Imitation leather case

| Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **With locking screw** | | | | | | | | | |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0182 501 | 33.20 |

## 0261 Shaft distance caliper



**Shaft distance can be read directly**

**Model**

- Stainless steel
- Satin chrome scale
- Factory standard
- Main intervals are located deeper
- Stepped jaws for inside measurement: 5 mm

**Delivery**

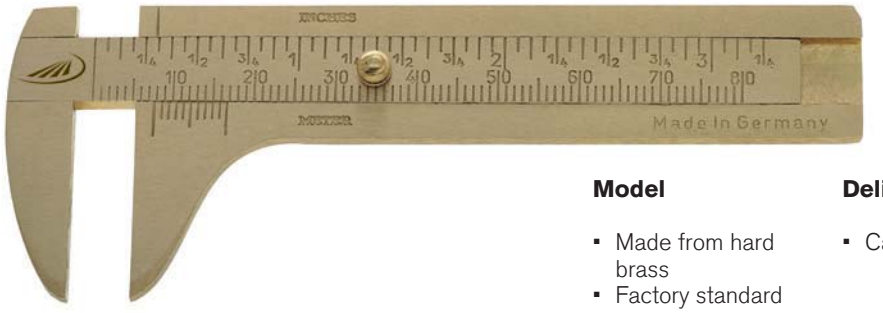
- Fitted case

NEW

| Measuring range | | Jaw length | Reading | Order no. | List price |
|---|---|---|---|---|---|
| mm | inch | mm | mm | | EUR |
| 0 - 150 | 0 - 6 | 40 | 0.05 | 0261 516 | 215.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0180 Pocket caliper




**Model**

- Made from hard brass
- Factory standard

**Delivery**

- Cardboard box

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | EUR |
| | | 0 - 100 | 0 - 6 | 25 | 1.0 | 0.1 | 1/16 | 0180 320 | 6.80 |

## 0180 Pocket caliper




**Model**

- Made from hard brass
- Stepped jaw 5 mm for internal measurement
- Factory standard

**Delivery**

- Cardboard box

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | EUR |
| | | 0 - 100 | 0 - 6 | 25 | 1.0 | 0.1 | 1/16 | 0180 330 | 6.80 |

## 0180 Tyre profile depth gauge




**Model**

- Made from hard brass
- Factory standard

**Delivery**

- Cardboard box

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | EUR |
| | | 0 - 30 | 0 - 1.18 | 30 | 1.2 | 0.1 | 1/16 | 0180 310 | 4.20 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0216 Dial calipers with long inside cross points



**Model**

- Stainless steel
- Satin chrome scale
- Factory standard
- Locking screw
- Inside cross points
- One pointer revolution = 10 mm
- Adjustable dial face

**Delivery**

- Fitted case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.05 | 1/128 | 0.05 | rect. | 0216 521 | 352.00 |

## 0217 / 0218 Dial calipers

DIN 862



**Model**

- Stainless steel
- Satin chrome scale
- DIN 862
- Locking screw
- Inside cross points
- One pointer revolution with 0217 = 2 mm with 0218 = 1 mm
- Four way measurement

**Delivery**

- Fitted case

| | | Measuring range | | Jaw length | | Reading | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.02 | 0.03 | rect. | 0217 501 | 65.00 |
| ▪ | | 0 - 200 | 0 - 8 | 40 | 1.6 | 0.02 | 0.03 | rect. | 0217 502 | 131.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | 0.03 | rect. | 0218 501 | 87.00 |

## 0212 Quality measuring tool set, 8 piece

**INCLUDING ONE POCKET CALIPER OF YOUR CHOICE**









**Content**

- Pocket calipers in 5 different types of choice
- External micrometer with carbide measuring faces, measuring range 0-25 mm, reading 0.01 mm
- Flexible steel rule, stainless steel, measuring range 200 mm, graduation mm / mm, 13 x 0.5 mm
- Knife square, hardened, DIN 875/00, 100 x 70 mm, with non-glare knife edge
- Knife edge, hardened and ground, DIN 874/00, length 100 mm
- Scriber, carbide tipped, hexagonal handle made of one piece, with pocket clip, length 180 mm
- Radius gauge, special steel, 17 sheets, concave and convex, with locking nut, measuring range 1.0 – 7.0 mm
- Screw pitch gauge, combined metric ISO- and Whitworth thread, 48 blades, increments 0.4 – 7.0 / 4 – 62

- **Shipment**

- Wooden case

| ⋈ | | Measuring range | Reading | | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | mm | | EUR |
| **Set with pocket caliper DUO - FIX (0190 501)** | | | | | | | |
| | | 0 - 150 | 0.05 | 1/128 | rect. | 0212 520 | 128.00 |
| **Set with DIGI-MET® Pocket caliper (1320 416 / 417)** | | | | | | | |
| | | 0 - 150 | 0.01 | .0005 | round 1.5 | 0212 522 | 187.00 |
| | | 0 - 150 | 0.01 | .0005 | rect. | 0212 524 | 187.00 |
| **Set with DIGI-MET® Pocket caliper IP67 (1326 416 / 417)** | | | | | | | |
| | | 0 - 150 | 0.01 | .0005 | round 1.5 | 0212 526 | 213.00 |
| | | 0 - 150 | 0.01 | .0005 | rect. | 0212 528 | 213.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## DIGI-MET® QuickStart Electronic

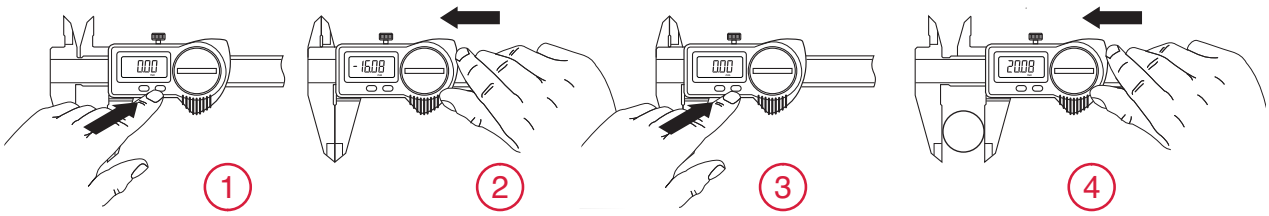


**QuickStart-Electronic with the QuickLock-Function for only one zero setting**

All digital calipers with the QuickStart-Electronic also have the **Q**uick**L**ock Function. Only set the zero position once, zero position remains stored for all further measurements. When the **Q**uick**L**ock Function is activated a lock symbol appears in the display, this ensures that the zero position is protected against any operating error caused by accidental usage of the operating keys (keys are locked). The caliper is immediately ready for measurement; once the caliper is switched ON or the slide is moved, the display is automatically activated.
The need to reset to zero as with a conventional caliper once it is switched on is obsolete.

**Conventional**

① Switch ON ② Close the measuring jaws ③ Set to zero ④ Result of measurement




**QuickStart Electronic**

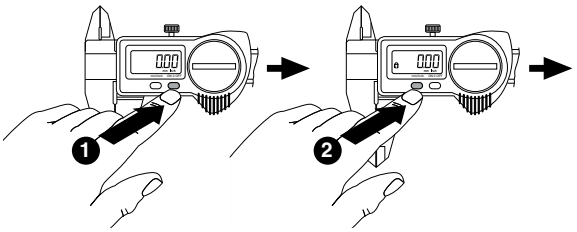
① ②




Press the ON key or move the slide

## DIGI-MET® QuickLock-Function

**1. Set to zero** **2. Activate the QuickLock Function**




**Advantages of the QuickLock Function**

- The caliper is immediately ready for measurement
- Lock symbol appears in the display. This ensures that the zero position is protected against any operating error caused by accidental usage of the operating keys (keys are locked)

## 1326i DIGI-MET® Pocket calipers IP67 with integrated wireless

**NOVELTY**
Data transmission without cable or radio module

integrated wireless




132641 660

### Model

- Measuring system is insensitive to fluids and cooling agents
- Protection class IP67
- Stainless steel
- LCD display 11 mm
- DIN 862
- Housing and operating keys have an excellent chemical resistance
- Locking screw
- Inside cross points
- Four way measurements

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Integrated Wireless

### Delivery

- Plastic case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 132641 660 | 218.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | rect. | 132641 760 | 218.00 |
| ▪ | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.01 | .0005 | 0.03 | rect. | 132641 860 | 279.00 |
| ▪ | | 0 - 300 | 0 - 12 | 65 | 2.5 | 0.01 | .0005 | 0.03 | none | 132642 260 | 337.00 |



1998780

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| i-Stick USB-receiver for Integrated Wireless | 1998 780 | 97.00 |

**Integrated Wireless is intended to be sold in the EU only**

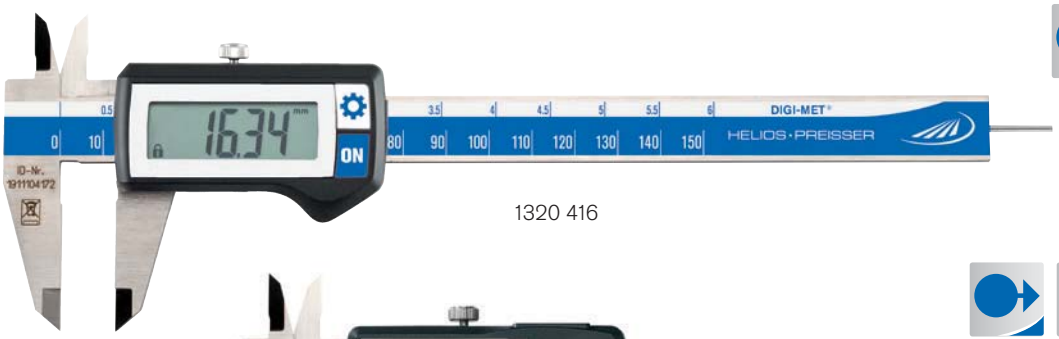


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1320 DIGI-MET® Pocket calipers






1320 416




1320 517

## Model

- Inductive measuring system, resistent to damp and sweat
- Stainless steel
- LCD display 11 mm without data output, 7.5 mm with data output
- DIN 862
- Locking screw
- Inside cross points
- Four way measurement with measuring ranges 150 and 200 mm
- Three way measurement with measuring range 300 mm

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)

## Delivery

- Plastic case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| **Without data output** | | | | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1320 416 | 109.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | rect. | 1320 417 | 109.00 |
| **With DATA VARIABLE** | | | | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1320 516 | 142.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | rect. | 1320 517 | 142.00 |
| ▪ | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.01 | .0005 | 0.03 | rect. | 1320 519 | 179.00 |
| ▪ | | 0 - 300 | 0 - 12 | 65 | 2.5 | 0.01 | .0005 | 0.03 | none | 1320 522 | 230.00 |
| **With DATA VARIABLE, with extra long cross tips (40 mm)** | | | | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1320 518 | 384.00 |



1998720



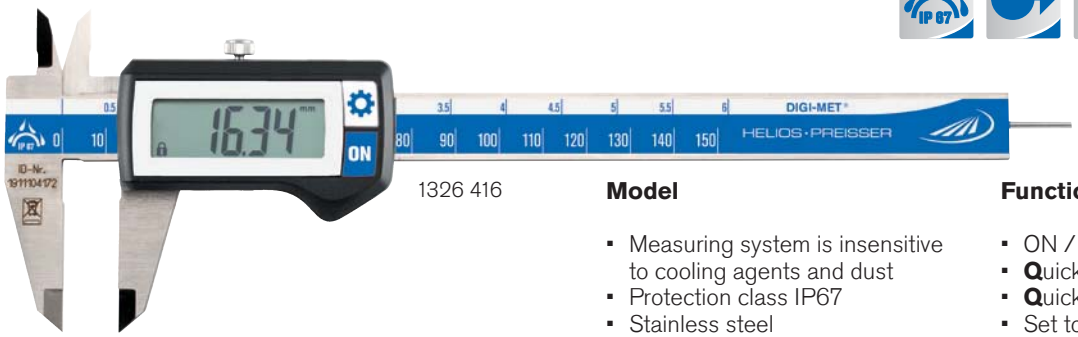
1998501



1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 1326 DIGI-MET® Pocket calipers IP67




1326 416

Video electronic

### Model

- Measuring system is insensitive to cooling agents and dust
- Protection class IP67
- Stainless steel
- LCD display 11 mm
- DIN 862
- Housing and operating keys have an excellent chemical resistance
- Locking screw
- Inside cross points
- Four way measurement with measuring ranges 150 and 200 mm
- Three way measurement with measuring range 300 mm

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)

### Delivery

- Plastic case

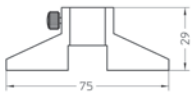
| | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1326 416 | 158.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | rect. | 1326 417 | 158.00 |
| ▪ | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.01 | .0005 | 0.03 | rect. | 1326 418 | 219.00 |
| ▪ | | 0 - 300 | 0 - 12 | 65 | 2.5 | 0.01 | .0005 | 0.03 | none | 1326 422 | 277.00 |
| **With carbide-tipped measuring jaws** | | | | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1326 914 | 329.00 |

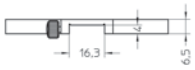
| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |

## 0220 Additional depth measuring base






### Model

- Stainless steel
- Bridge length: 75 mm
- Dimensions: 75 x 6.5 mm

| | | Order no. | List price EUR |
|---|---|---|---|
| | | 0220 705 | 21.50 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1326 DIGI-MET® Pocket calipers IP67 with data ouput



1326 516

### Model

- Measuring system is insensitive to fluids and cooling agents
- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Inside cross points
- Four way measurement

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Plastic case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1326 516 | 158.00 |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | rect. | 1326 517 | 158.00 |
| ▪ | | 0 - 200 | 0 - 8 | 50 | 2.0 | 0.01 | .0005 | 0.03 | rect. | 1326 518 | 231.00 |

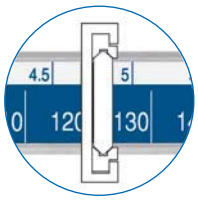


1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 1322 DIGI-MET® Pocket caliper PRISMA





### Model

- Double prisma guide with excellent sliding characteristics
- Protection class IP67
- Stainless steel
- DIN 862
- LCD display 7.5 mm
- Locking screw
- Inside cross points
- Four way measurement

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 0.03 | round 1.5 | 1322 516 | 203.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 1998 / 0996 / 1997 Data cable



1998 720 | 1997 501 | 0996 701 | 1998 501 | 0996 705

**Model**

- Length 2 m
- For use with MarCom Professional software to transfer the measured results to PC. laptop or workstation

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Cable Opto for RS232 | 0996 701 | 74.00 |
| | | Cable Opto for USB | 0996 705 | 141.00 |
| | | Cable DataVariable for RS232 | 1997 501 | 48.00 |
| | | Cable DataVariable for Digimatic | 1998 501 | 61.00 |
| | | Cable DataVariable for USB | 1998 720 | 69.00 |

## 0145 Measuring tool set >>Extensions<<



**Model**

- Pairs of measuring inserts, disc dia. 6 / 10 / 12.5 mm
- Pair of measuring inserts with 60° cone, dia. 9 / 12.5 mm
- Pair of measuring inserts with cylindrical surfaces 1.5 mm
- Insert holder, right / left with thread M 2.5
- Allen wrench SW 1.2 mm

**Delivery**

- Wooden box

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Measuring tool set, 14 pieces | 0145 110 | 164.00 |



Measure distances between bore holes



Measure grooves



Measure distances



Measure distances between bore holes



Measure grooves

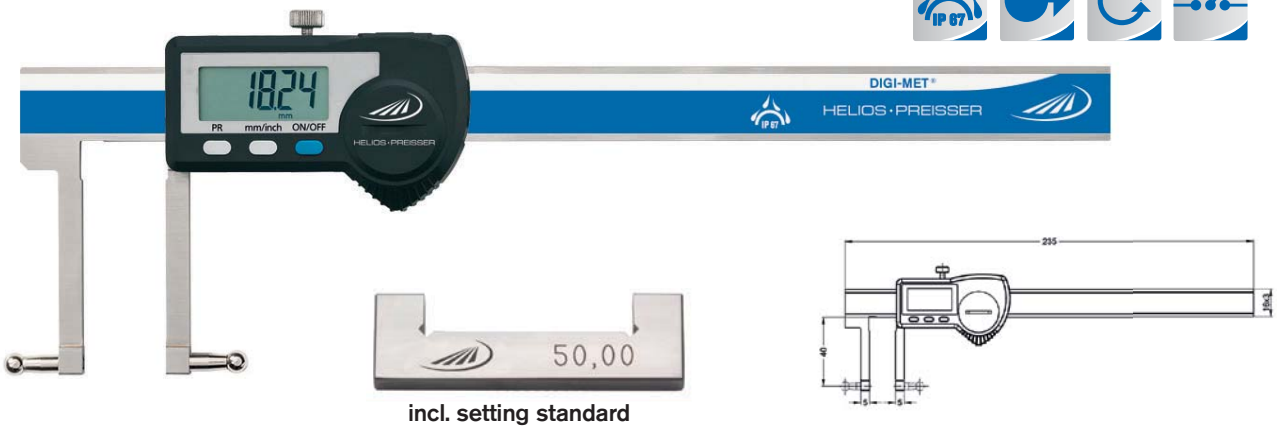


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1326 Universal pocket caliper „Pocket Talent“






incl. setting standard

### Model

- Stainless steel
- Protection class IP67
- Factory standard
- LCD display 7.5 mm
- Locking screw
- For internal and external measurements
- Individually adaptable on problematic tasks through measuring inserts with thread M 2.5

### Functions

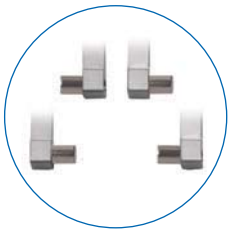
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

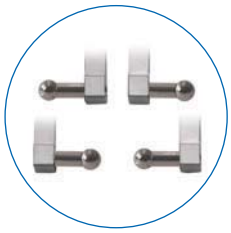
### Delivery

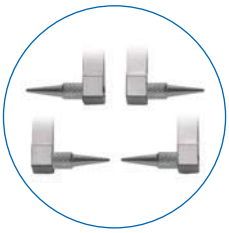
- Wooden box
- Measuring inserts No. 0710161* and 0710177* Planar surface Ø 4.8 mm / Ball inserts Ø 5.0 mm
- Setting standard

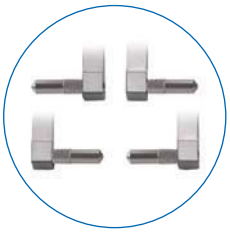
| Measuring range mm | Measuring range inch | Jaw length mm | Reading mm | Reading inch | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 150 | 0 - 6 | 40 | 0.01 | .0005 | 1326 932 | 352.00 |

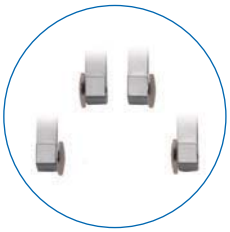
**The all-round talent which in conjunction with all common types of measuring inserts for indicators with a standard M 2.5 thread can be used for internal and external measurements. Therefore, the small universal caliper, “Pocket-Talent“ offers you conduct numerous measurement applications.**


0710161*


0710177*


0710166


0710167

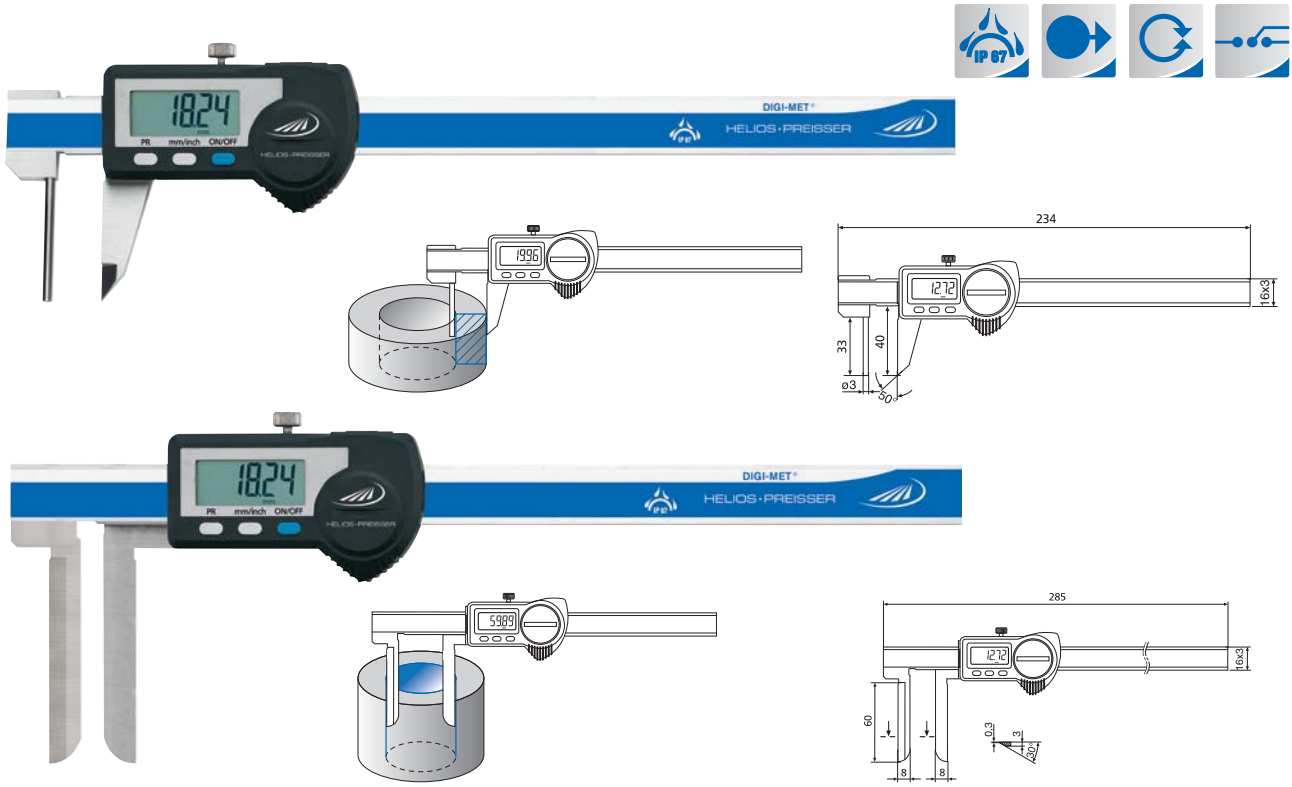

0710163


1998720 1998501 1997501

Product video

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Measuring inserts M 2.5 | 0710 161 | 3.50 |
| Measuring inserts M 2.5 | 0710 163 | 5.20 |
| Measuring inserts M 2.5 | 0710 166 | 4.70 |
| Measuring inserts M 2.5 | 0710 167 | 3.30 |
| Measuring inserts M 2.5 | 0710 177 | 6.50 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 1326 DIGI-MET® Pocket calipers for specific measuring tasks




### Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | EUR |
| **Wall thickness caliper** | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 1326 918 | 483.00 |
| **With long cross jaws for inner measurements** | | | | | | | | | |
| | | 10 - 200 | 0.4 - 8 | 60 | 2.4 | 0.01 | .0005 | 1326 930 | 627.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

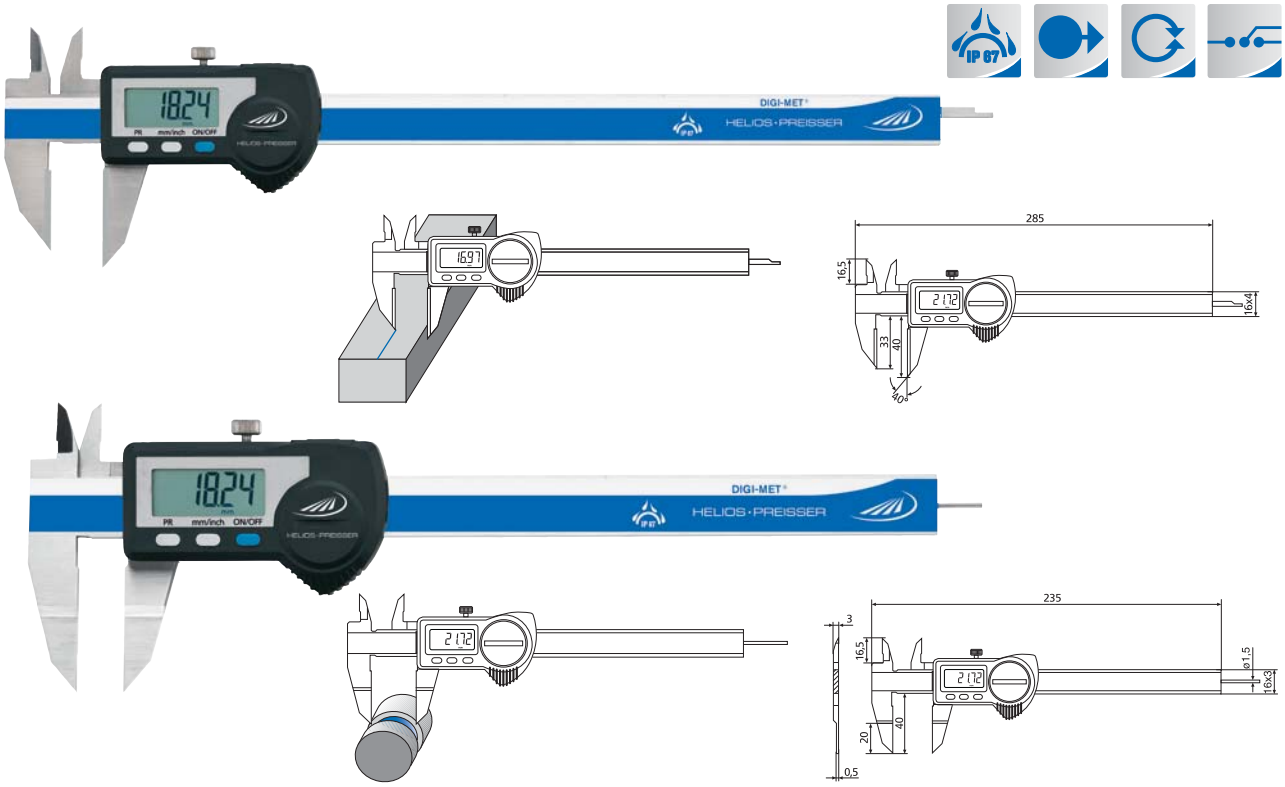


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1326 DIGI-MET® Pocket calipers for specific measuring tasks






### Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| Measuring range mm | Measuring range inch | Jaw length mm | Jaw length inch | Reading mm | Reading inch | Depth gauge mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Scribing caliper with carbide-tipped outer measuring surfaces** | | | | | | | | |
| 0 - 200 | 0 - 8 | 33 | 1.3 | 0.01 | .0005 | rect. | 1326 912 | 307.00 |
| **With flat measuring surfaces e.g. for outer recesses** | | | | | | | | |
| 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | round 1.5 | 1326 920 | 523.00 |

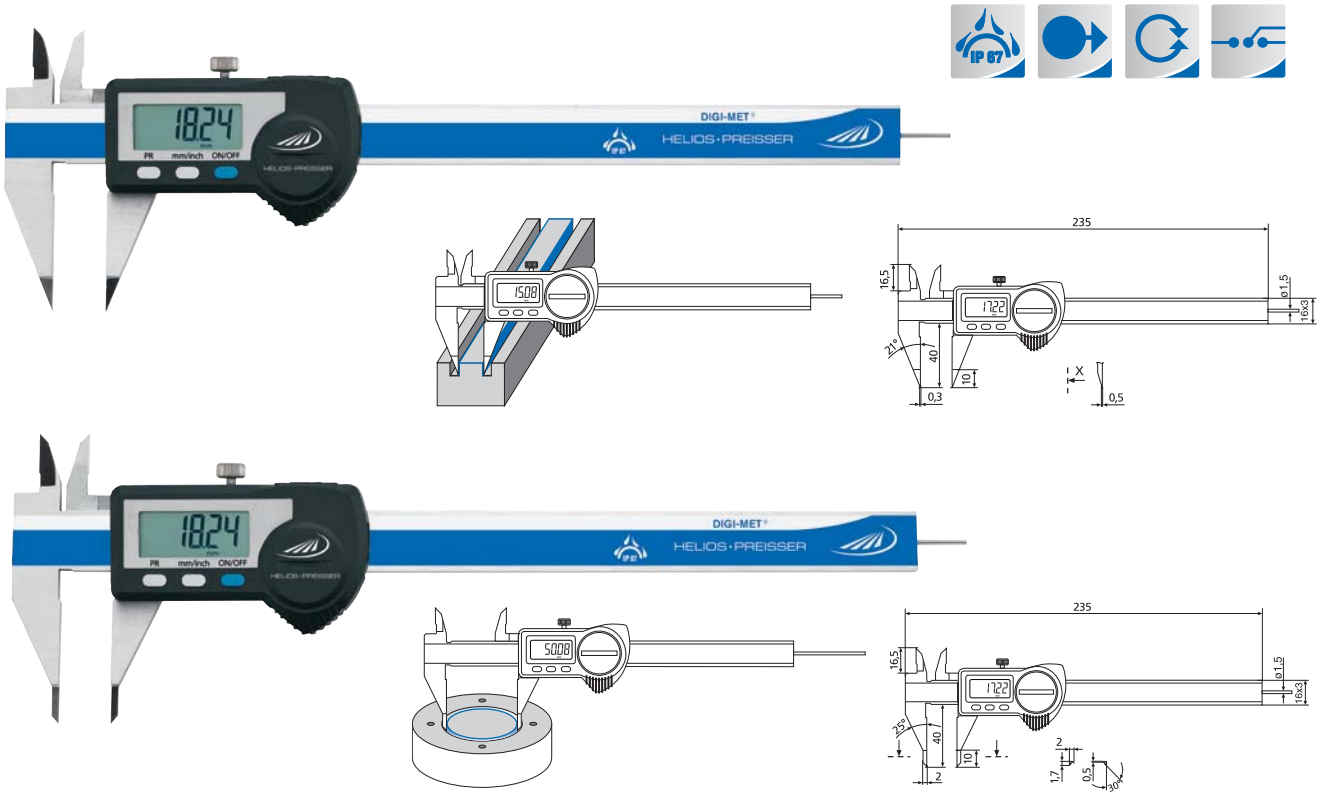


1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 1326 DIGI-MET® Pocket calipers for specific measuring tasks




### Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | EUR |
| **With pointed jaws** | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 1326 916 | 380.00 |
| **With fine measuring tips** | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 1326 922 | 429.00 |



1998720 1998501 1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

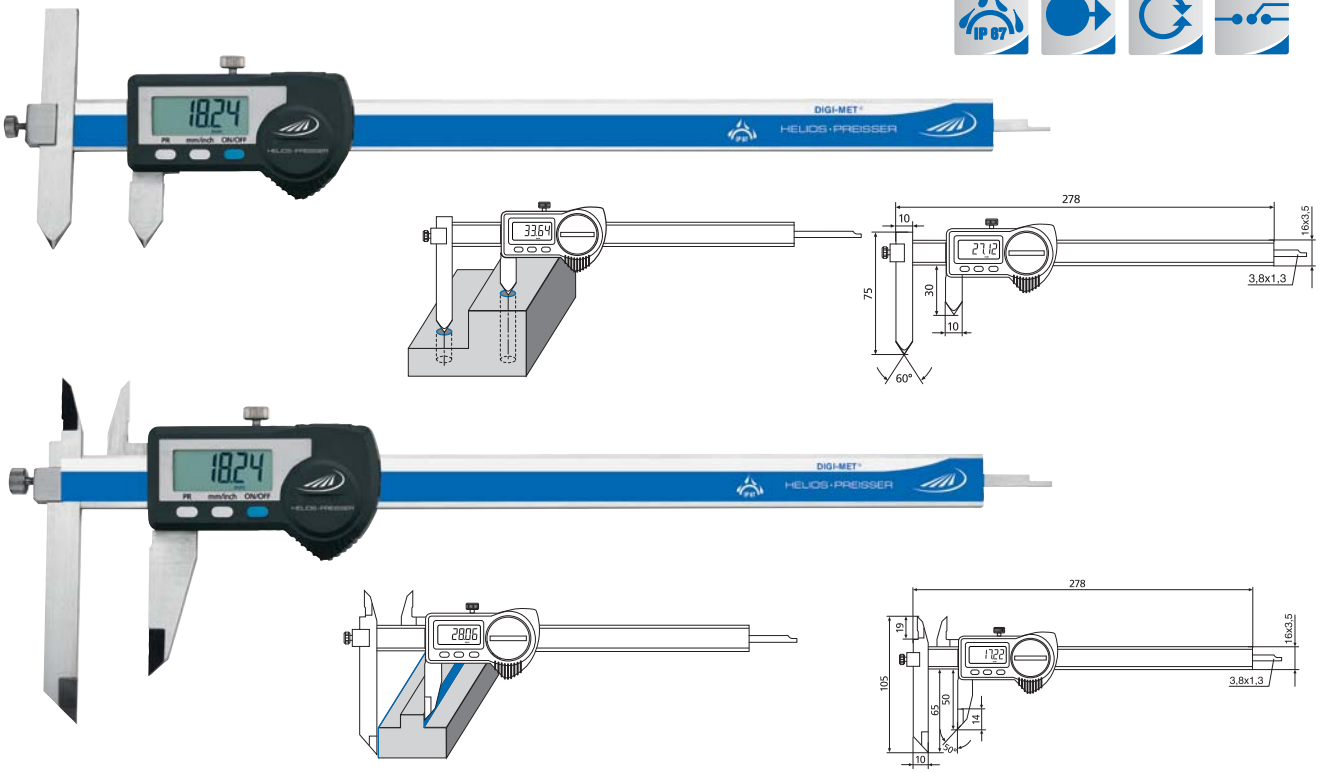


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1326 DIGI-MET® Pocket calipers for specific measuring tasks






### Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

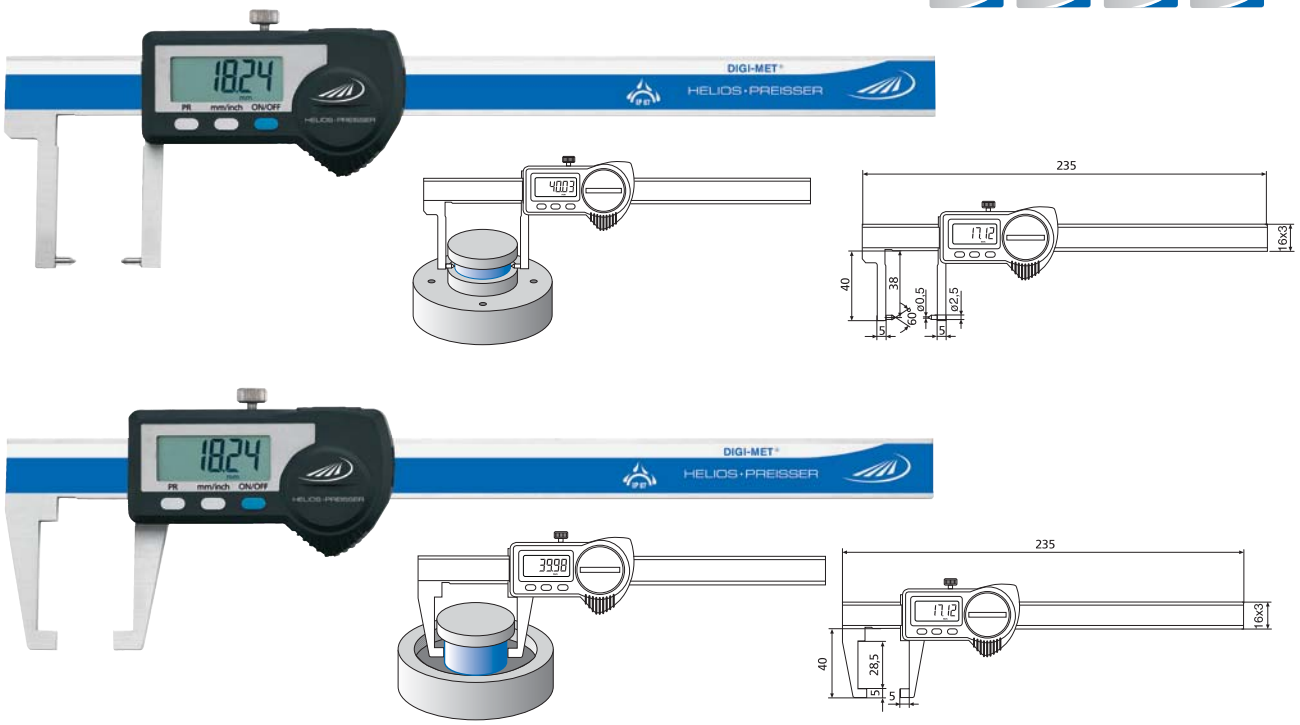
| Measuring range | | Jaw length | | Reading | | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | | EUR |
| **Moving jaws for measuring the distance between bores** | | | | | | | |
| 10 - 210 | 0.4 - 8.3 | 75 | 3.0 | 0.01 | .0005 | 1326 924 | 425.00 |
| **Moving jaws + cross tips** | | | | | | | |
| 0 - 200 | 0 - 8 | 65 | 2.5 | 0.01 | .0005 | 1326 928 | 457.00 |



1998720 1998501 1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

# 1326 DIGI-MET® Pocket calipers for specific measuring tasks




## Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | |
| **Measuring tips angled inwards** | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 1326 904 | 550.00 |
| **Measuring jaws angled inwards** | | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 40 | 1.6 | 0.01 | .0005 | 1326 908 | 469.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

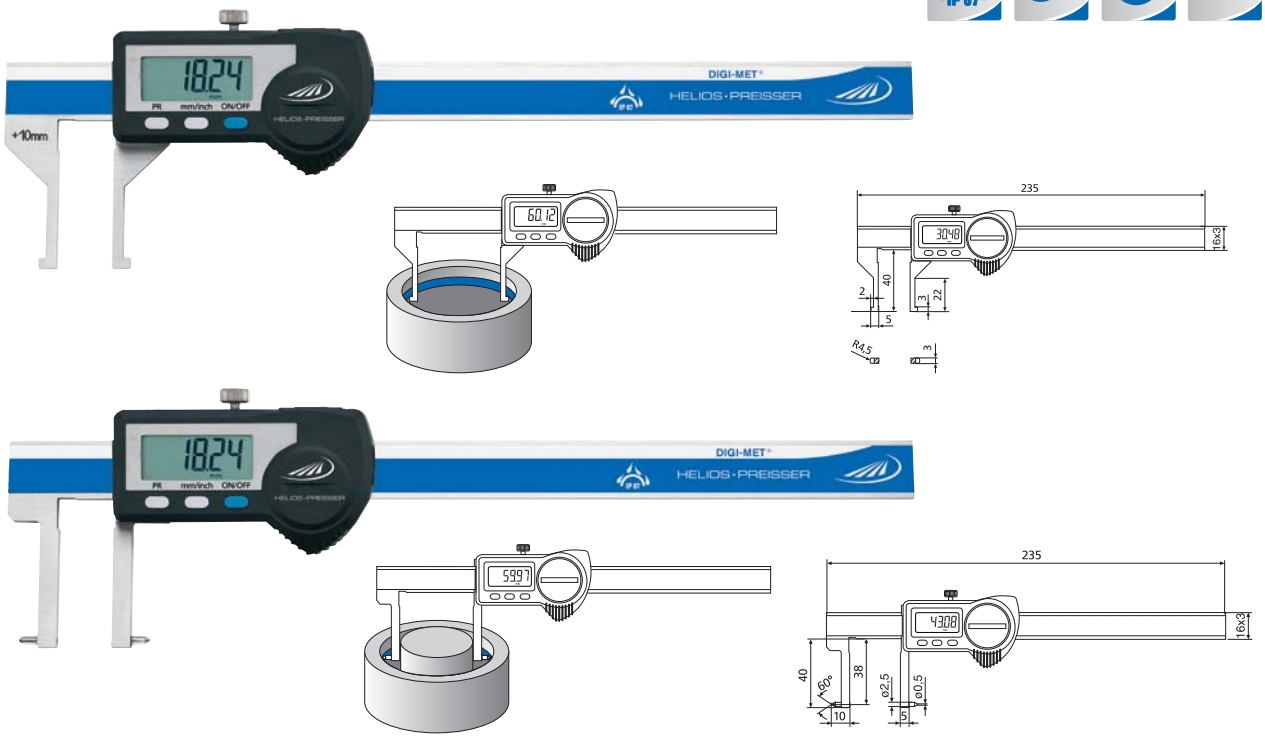


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1326 DIGI-MET® Pocket calipers for specific measuring tasks






## Model

- Protection class IP67
- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Measuring system is insensitive to cooling agents and dust
- Housing and operating keys have an excellent chemical resistance
- Inside cross points
- Locking screw

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | | |
| **Measuring jaws angled outwards** | | | | | | | | | |
| | | 10.5 - 160 | 0.4 - 6.3 | 40 | 1.6 | 0.01 | .0005 | 1326 910 | 539.00 |
| **Measuring tips angled outwards** | | | | | | | | | |
| | | 20.5 - 170 | 0.8 - 6.7 | 40 | 1.6 | 0.01 | .0005 | 1326 906 | 545.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

= **Q**uick**L**ock = **Q**uick**S**tart = Waterproof acc. IP = Data output = DIN

## 0633 Steel gauge block inspection set for calipers




**Model**

- EN ISO 3650
- Special steel, hardened
- Tolerance class 1
- Supplied with: setting rings 4 mm and 25 mm

**Delivery**

- Wooden box

| ⋈ | ⚖ | For measuring range mm | Max. nominal size | Order no. | List price EUR |
|---|---|---|---|---|---|
| 3 pieces | | | | | |
| | | 200 | 30.0 / 41.3 / 131.4 | 0633 833 | 540.00 |
| 4 pieces | | | | | |
| | | 300 | 30.0 / 41.3 / 131.4 / 243.5 | 0633 834 | 721.00 |
| 6 pieces | | | | | |
| | | 500 | 30.0 / 41.3 / 131.4 / 243.5 / 281.2 / 481.1 | 0633 836 | 1287.00 |
| 5 pieces | | | | | |
| | | 1000 | 131.4 / 243.5 / 281.2 / 481.1 / 900 | 0633 838 | 2275.00 |

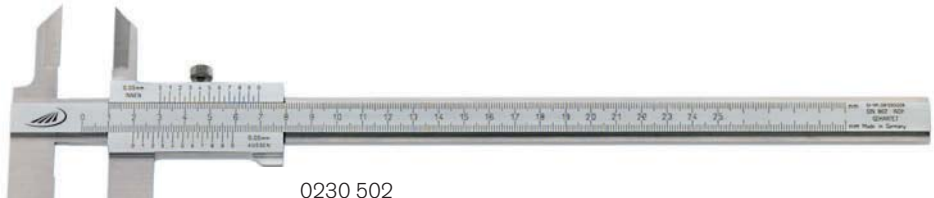


⚖ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0230 / 0231 Workshop calipers with parallax-free reading

DIN 862





0230 502



0231 502

## Model

- **Parallax-free reading**
- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Locking screw
- Knife points
- Stepped jaws for inside measurement: 10 mm, for measuring range 500 mm: 20 mm
- Direct reading of internal and external measurements
- High-precision laser graduation on the vernier and scale

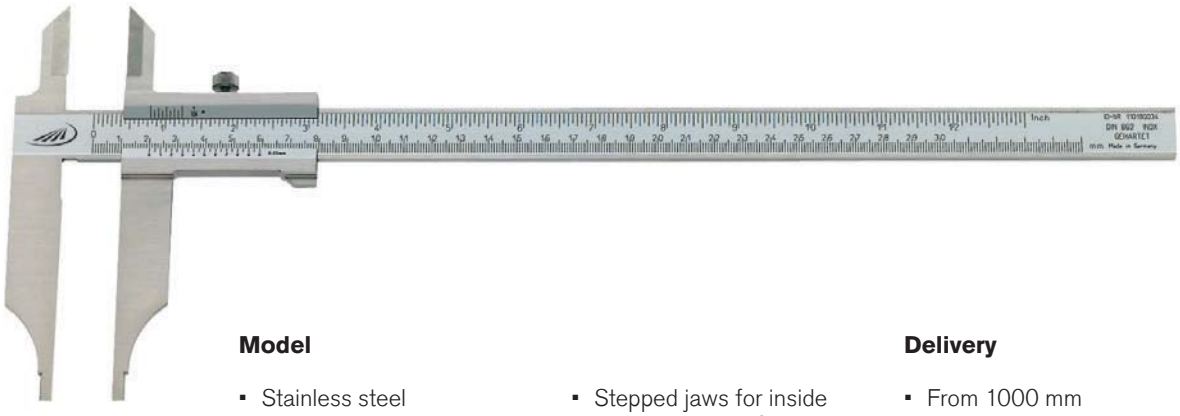
## Delivery

- Cardboard box

| | | Measuring range | | Jaw length | | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | | EUR |
| **Without fine adjustment** | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 0.05 | 0230 501 | 140.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 0.05 | 0230 502 | 156.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 0.05 | 0230 503 | 171.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | 0.07 | 0230 508 | 489.00 |
| **With fine adjustment** | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 0.05 | 0231 501 | 166.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 0.05 | 0231 502 | 182.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 0.05 | 0231 503 | 197.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | 0.07 | 0231 508 | 535.00 |

# 0234 Workshop calipers

DIN 862



## Model

- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- DIN 862
- Locking screw
- Stepped jaws for inside measurement: 10 mm, 20 mm* and 30 mm**
- Knife points
- Low-set master scale
- High-precision laser graduation on the vernier and scale

## Delivery

- From 1000 mm measuring range individually packed

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0234 201 | 105.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0234 202 | 128.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0234 203 | 137.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0234 205* | 321.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0234 208* | 402.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0234 211* | 470.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0234 214* | 535.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0234 218* | 649.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0234 222** | 1038.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0234 224** | 1342.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0234 226** | 1960.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0234 501 | 124.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0234 502 | 143.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0234 503 | 157.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0234 505* | 364.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0234 508* | 469.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0234 511* | 532.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0234 514* | 603.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0234 518* | 724.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0234 522** | 1182.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0234 524** | 1521.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0234 526** | 2227.00 |



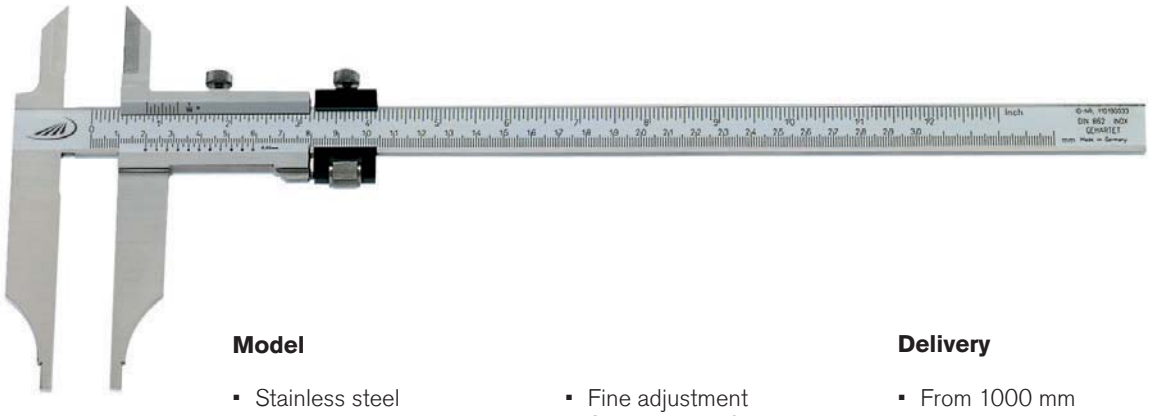
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0235 Workshop calipers

DIN 862





## Model

- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- DIN 862
- Locking screw
- Knife points
- Fine adjustment
- Stepped jaws for inside measurement: 10 mm, 20 mm* and 30 mm**
- Low-set master scale
- High-precision laser graduation on the vernier and scale

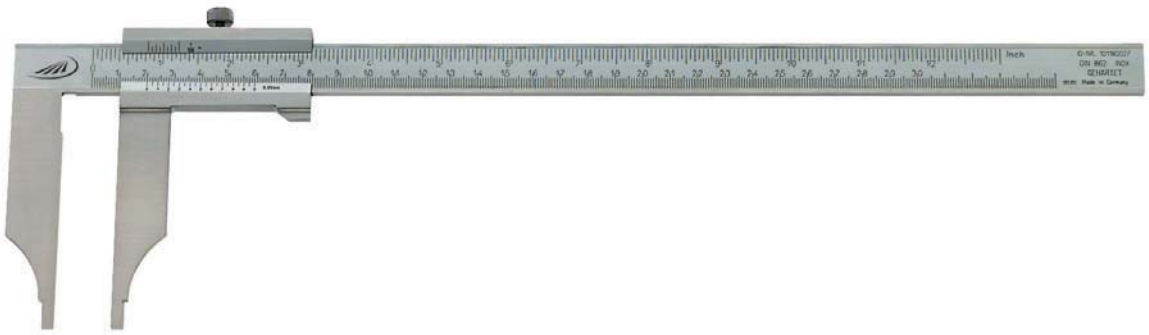
## Delivery

- From 1000 mm measuring range individually packed

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0235 201 | 132.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0235 202 | 153.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0235 203 | 161.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0235 205* | 371.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0235 208* | 452.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0235 211* | 518.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0235 214* | 594.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0235 218* | 692.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0235 222** | 1136.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0235 224** | 1435.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0235 226** | 2119.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0235 501 | 141.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0235 502 | 169.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0235 503 | 181.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0235 505* | 412.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0235 508* | 507.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0235 511* | 577.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0235 514* | 664.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0235 518* | 784.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0235 522** | 1268.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0235 524** | 1613.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0235 526** | 2376.00 |

# 0236 Workshop calipers

DIN 862



## Model

- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm (0236 230)
- High-precision laser graduation on the vernier and scale
- 3000 mm = Factory standard

## Delivery

- From 1000 mm measuring range individually packed

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0236 201 | 90.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0236 202 | 110.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0236 203 | 124.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0236 205* | 254.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0236 208* | 335.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0236 211* | 401.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0236 214* | 428.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0236 218* | 535.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.14 | 0236 222** | 828.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0236 224** | 1129.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0236 226** | 1556.00 |
| | ▪ | 0 - 3000 | 0 - 118 | 200 | 8.0 | 0.05 | | 0.22 | 0236 230 | 2574.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0236 501 | 103.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0236 502 | 130.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0236 503 | 140.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0236 505* | 297.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0236 508* | 391.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0236 511* | 467.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0236 514* | 484.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0236 518* | 604.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0236 522** | 992.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0236 524** | 1331.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0236 526** | 2006.00 |



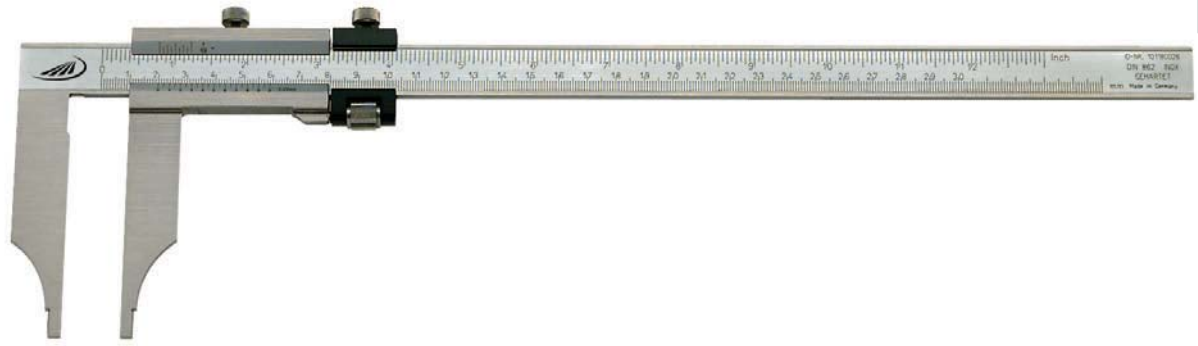
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0237 Workshop calipers

DIN 862





## Model

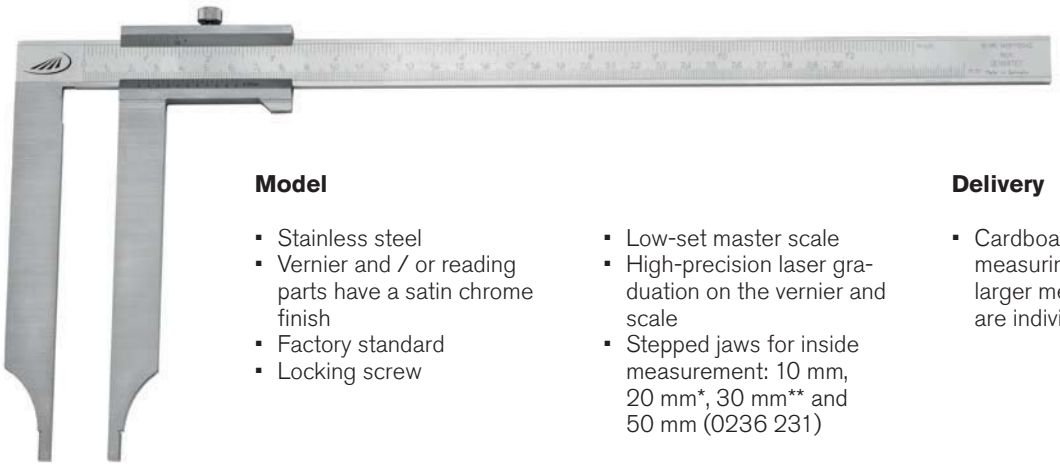
- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Fine adjustment
- Low-set master scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm (0237 230)
- High-precision laser graduation on the vernier and scale
- 3000 mm = Factory standard

## Delivery

- From 1000 mm measuring range individually packed

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0237 201 | 116.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0237 202 | 137.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0237 203 | 150.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0237 205* | 304.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0237 208* | 387.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0237 211* | 452.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0237 214* | 487.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0237 218* | 594.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0237 222** | 922.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0237 224** | 1224.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0237 226** | 1710.00 |
| | ▪ | 0 - 3000 | 0 - 118 | 200 | 8.0 | 0.05 | | 0.22 | 0237 230 | 2797.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| ▪ | | 0 - 200 | 0 - 8 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0237 501 | 127.00 |
| ▪ | | 0 - 250 | 0 - 10 | 80 | 3.0 | 0.05 | 1/128 | 0.05 | 0237 502 | 155.00 |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.05 | 0237 503 | 167.00 |
| ▪ | | 0 - 400 | 0 - 16 | 125 | 5.0 | 0.05 | | 0.06 | 0237 505* | 347.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.05 | | 0.07 | 0237 508* | 439.00 |
| ▪ | | 0 - 600 | 0 - 24 | 150 | 6.0 | 0.05 | | 0.08 | 0237 511* | 514.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.05 | | 0.1 | 0237 514* | 544.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.05 | | 0.12 | 0237 518* | 665.00 |
| | ▪ | 0 - 1250 | 0 - 49 | 200 | 8.0 | 0.05 | | 0.16 | 0237 522** | 1083.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | | 0.18 | 0237 524** | 1424.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | | 0.22 | 0237 526** | 2158.00 |

# 0236 Workshop calipers with long measuring jaws



## Model

- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on the vernier and scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm (0236 231)

## Delivery

- Cardboard box up to measuring range 1000 mm. larger measuring ranges are individually packed

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| | | 0 - 300 | 12 | 150 | 6.0 | 0.05 | 1/128 | 0.1 | 0236 204 | 230.00 |
| | | 0 - 400 | 16 | 150 | 5.0 | 0.05 | | 0.1 | 0236 206* | 327.00 |
| | | 0 - 400 | 16 | 200 | 8.0 | 0.05 | | 0.12 | 0236 207* | 399.00 |
| | | 0 - 500 | 20 | 200 | 8.0 | 0.05 | | 0.14 | 0236 209* | 444.00 |
| | | 0 - 500 | 20 | 250 | 10.0 | 0.05 | | 0.14 | 0236 210* | 535.00 |
| | | 0 - 600 | 24 | 200 | 8.0 | 0.05 | | 0.16 | 0236 212* | 557.00 |
| | | 0 - 600 | 24 | 300 | 12.0 | 0.05 | | 0.16 | 0236 213* | 685.00 |
| | | 0 - 800 | 31 | 200 | 8.0 | 0.05 | | 0.2 | 0236 215* | 644.00 |
| | | 0 - 800 | 31 | 300 | 12.0 | 0.05 | | 0.2 | 0236 216* | 824.00 |
| | | 0 - 800 | 31 | 400 | 16.0 | 0.05 | | 0.2 | 0236 217* | 957.00 |
| | | 0 - 1000 | 39 | 200 | 8.0 | 0.05 | | 0.24 | 0236 219* | 791.00 |
| | | 0 - 1000 | 39 | 300 | 12.0 | 0.05 | | 0.24 | 0236 220* | 883.00 |
| | | 0 - 1000 | 39 | 500 | 20.0 | 0.05 | | 0.24 | 0236 221* | 1331.00 |
| | ▪ | 0 - 1500 | 59 | 300 | 12.0 | 0.05 | | 0.36 | 0236 225** | 1365.00 |
| | ▪ | 0 - 2000 | 79 | 300 | 12.0 | 0.05 | | 0.44 | 0236 227** | 1899.00 |
| | ▪ | 0 - 3000 | 118 | 300 | 12.0 | 0.05 | | 0.64 | 0236 231 | 3139.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| | | 0 - 300 | 12 | 150 | 6.0 | 0.05 | 1/128 | 0.1 | 0236 504 | 248.00 |
| | | 0 - 400 | 16 | 150 | 6.0 | 0.05 | | 0.12 | 0236 506* | 381.00 |
| | | 0 - 400 | 16 | 200 | 8.0 | 0.05 | | 0.12 | 0236 507* | 463.00 |
| | | 0 - 500 | 20 | 200 | 8.0 | 0.05 | | 0.14 | 0236 509* | 514.00 |
| | | 0 - 500 | 20 | 250 | 10.0 | 0.05 | | 0.14 | 0236 510* | 614.00 |
| | | 0 - 600 | 24 | 200 | 8.0 | 0.05 | | 0.16 | 0236 512* | 581.00 |
| | | 0 - 600 | 24 | 300 | 12.0 | 0.05 | | 0.16 | 0236 513* | 756.00 |
| | | 0 - 800 | 31 | 200 | 8.0 | 0.05 | | 0.2 | 0236 515* | 748.00 |
| | | 0 - 800 | 31 | 300 | 12.0 | 0.05 | | 0.2 | 0236 516* | 954.00 |
| | | 0 - 800 | 31 | 400 | 16.0 | 0.05 | | 0.2 | 0236 517* | 1119.00 |
| | | 0 - 1000 | 39 | 200 | 8.0 | 0.05 | | 0.24 | 0236 519* | 917.00 |
| | | 0 - 1000 | 39 | 300 | 12.0 | 0.05 | | 0.24 | 0236 520* | 1157.00 |
| | | 0 - 1000 | 39 | 500 | 20.0 | 0.05 | | 0.24 | 0236 521* | 1581.00 |
| | ▪ | 0 - 1500 | 59 | 300 | 12.0 | 0.05 | | 0.36 | 0236 525** | 1624.00 |
| | ▪ | 0 - 2000 | 79 | 300 | 12.0 | 0.05 | | 0.44 | 0236 527** | 2405.00 |

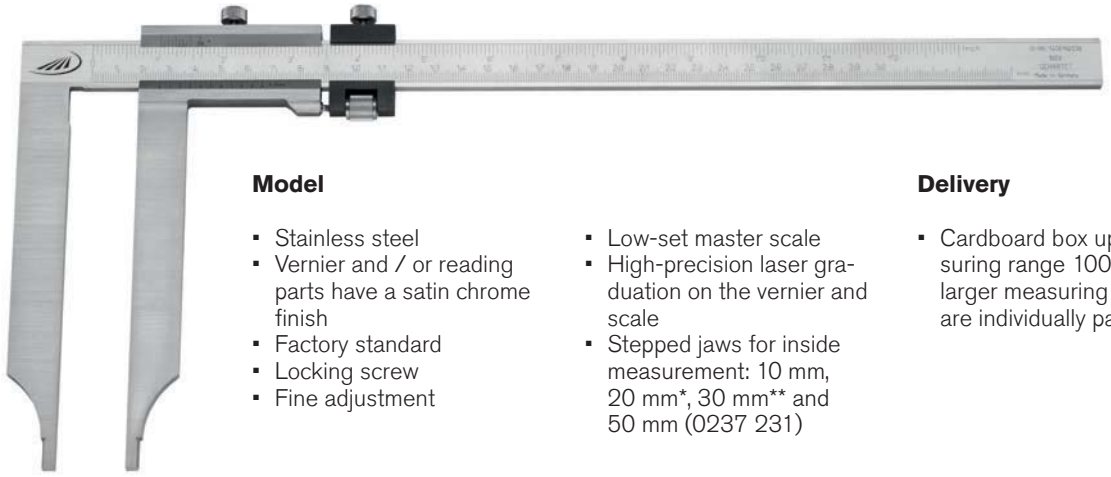


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0237 Workshop calipers with long measuring jaws





### Model

- Stainless steel
- Vernier and / or reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Fine adjustment
- Low-set master scale
- High-precision laser graduation on the vernier and scale
- Stepped jaws for inside measurement: 10 mm, 20 mm*, 30 mm** and 50 mm (0237 231)

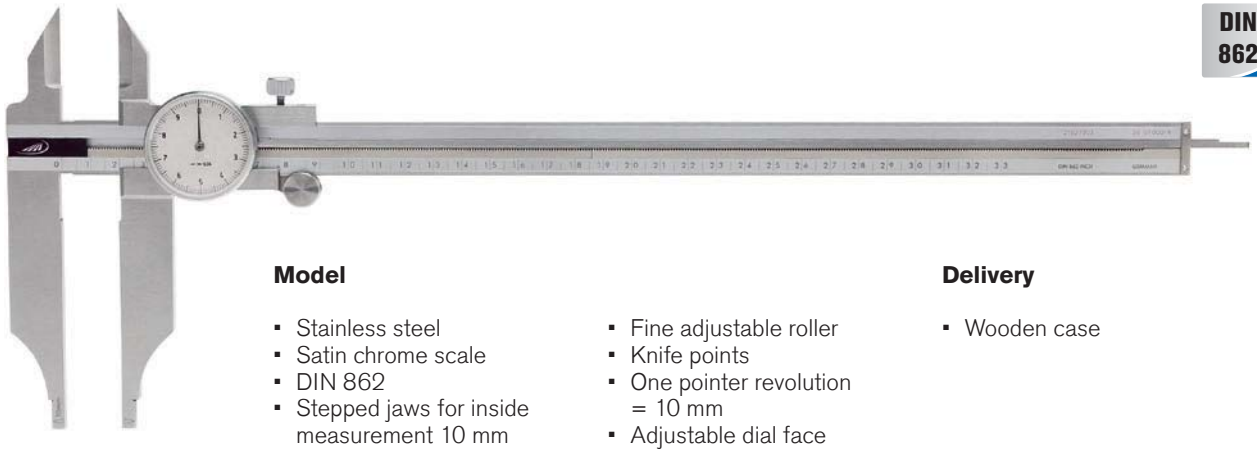
### Delivery

- Cardboard box up to measuring range 1000 mm, larger measuring ranges are individually packed

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Vernier satin chrome finished** | | | | | | | | | | |
| | | 0 - 300 | 0 - 12 | 150 | 6.0 | 0.05 | 1/128 | 0.1 | 0237 204 | 255.00 |
| | | 0 - 400 | 0 - 16 | 150 | 6.0 | 0.05 | | 0.12 | 0237 206* | 377.00 |
| | | 0 - 400 | 0 - 16 | 200 | 8.0 | 0.05 | | 0.12 | 0237 207* | 450.00 |
| | | 0 - 500 | 0 - 20 | 200 | 8.0 | 0.05 | | 0.14 | 0237 209* | 496.00 |
| | | 0 - 500 | 0 - 20 | 250 | 10.0 | 0.05 | | 0.14 | 0237 210* | 585.00 |
| | | 0 - 600 | 0 - 24 | 200 | 8.0 | 0.05 | | 0.16 | 0237 212* | 605.00 |
| | | 0 - 600 | 0 - 24 | 300 | 8.0 | 0.05 | | 0.16 | 0237 213* | 736.00 |
| | | 0 - 800 | 0 - 31 | 200 | 8.0 | 0.05 | | 0.2 | 0237 215* | 707.00 |
| | | 0 - 800 | 0 - 31 | 300 | 12.0 | 0.05 | | 0.2 | 0237 216* | 885.00 |
| | | 0 - 800 | 0 - 31 | 400 | 16.0 | 0.05 | | 0.2 | 0237 217* | 1019.00 |
| | | 0 - 1000 | 0 - 39 | 200 | 8.0 | 0.05 | | 0.24 | 0237 219* | 854.00 |
| | | 0 - 1000 | 0 - 39 | 300 | 12.0 | 0.05 | | 0.24 | 0237 220* | 945.00 |
| | | 0 - 1000 | 0 - 39 | 500 | 20.0 | 0.05 | | 0.24 | 0237 221* | 1392.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 300 | 12.0 | 0.05 | | 0.36 | 0237 225** | 1460.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 300 | 12.0 | 0.05 | | 0.44 | 0237 227** | 2052.00 |
| | ▪ | 0 - 3000 | 0 - 118 | 300 | 12.0 | 0.05 | | 0.64 | 0237 231 | 3361.00 |
| **Vernier + scale satin chrome finished** | | | | | | | | | | |
| | | 0 - 300 | 0 - 12 | 150 | 6.0 | 0.05 | 1/128 | 0.1 | 0237 504 | 272.00 |
| | | 0 - 400 | 0 - 16 | 150 | 6.0 | 0.05 | | 0.12 | 0237 506* | 430.00 |
| | | 0 - 400 | 0 - 16 | 200 | 8.0 | 0.05 | | 0.12 | 0237 507* | 512.00 |
| | | 0 - 500 | 0 - 20 | 200 | 8.0 | 0.05 | | 0.14 | 0237 509* | 562.00 |
| | | 0 - 500 | 0 - 20 | 250 | 10.0 | 0.05 | | 0.14 | 0237 510* | 663.00 |
| | | 0 - 600 | 0 - 24 | 200 | 8.0 | 0.05 | | 0.16 | 0237 512* | 676.00 |
| | | 0 - 600 | 0 - 24 | 300 | 12.0 | 0.05 | | 0.16 | 0237 513* | 807.00 |
| | | 0 - 800 | 0 - 31 | 200 | 8.0 | 0.05 | | 0.2 | 0237 515* | 809.00 |
| | | 0 - 800 | 0 - 31 | 300 | 12.0 | 0.05 | | 0.2 | 0237 516* | 1012.00 |
| | | 0 - 800 | 0 - 31 | 400 | 16.0 | 0.05 | | 0.2 | 0237 517* | 1181.00 |
| | | 0 - 1000 | 0 - 39 | 200 | 8.0 | 0.05 | | 0.24 | 0237 519* | 975.00 |
| | | 0 - 1000 | 0 - 39 | 300 | 12.0 | 0.05 | | 0.24 | 0237 520* | 1218.00 |
| | | 0 - 1000 | 0 - 39 | 500 | 20.0 | 0.05 | | 0.24 | 0237 521* | 1644.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 300 | 12.0 | 0.05 | | 0.36 | 0237 525** | 1720.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 300 | 12.0 | 0.05 | | 0.44 | 0237 527** | 2556.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0219 Workshop dial caliper



DIN 862

### Model

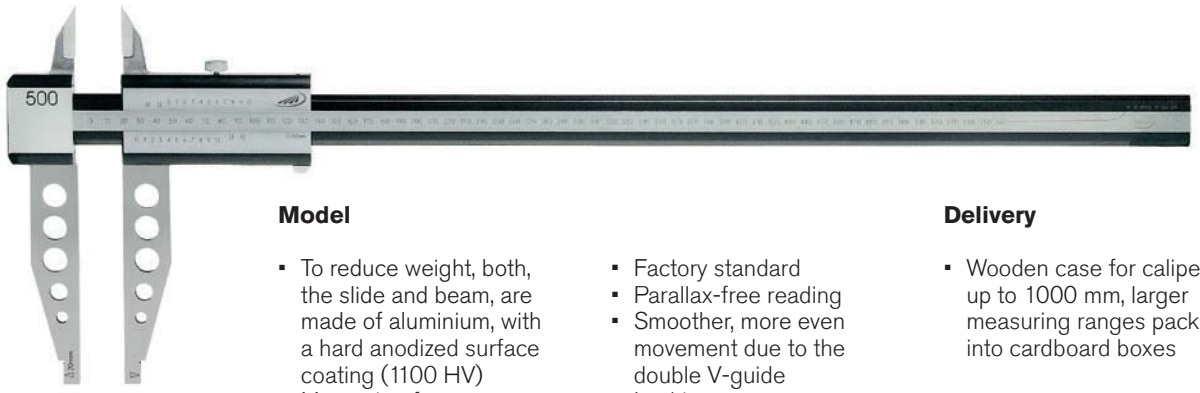
- Stainless steel
- Satin chrome scale
- DIN 862
- Stepped jaws for inside measurement 10 mm
- Locking screw
- Fine adjustable roller
- Knife points
- One pointer revolution = 10 mm
- Adjustable dial face

### Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | Error limit | Depth gauge | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | mm | | EUR |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 0.05 | rect. | 0219 503 | 288.00 |

## 0238 Lightweight workshop calipers




### Model

- To reduce weight, both, the slide and beam, are made of aluminium, with a hard anodized surface coating (1100 HV)
- Measuring faces are made of hardened stainless steel
- Factory standard
- Parallax-free reading
- Smoother, more even movement due to the double V-guide
- Locking screw
- Knife points
- Stepped jaws for inside measurement 20 mm

### Delivery

- Wooden case for calipers up to 1000 mm, larger measuring ranges packed into cardboard boxes

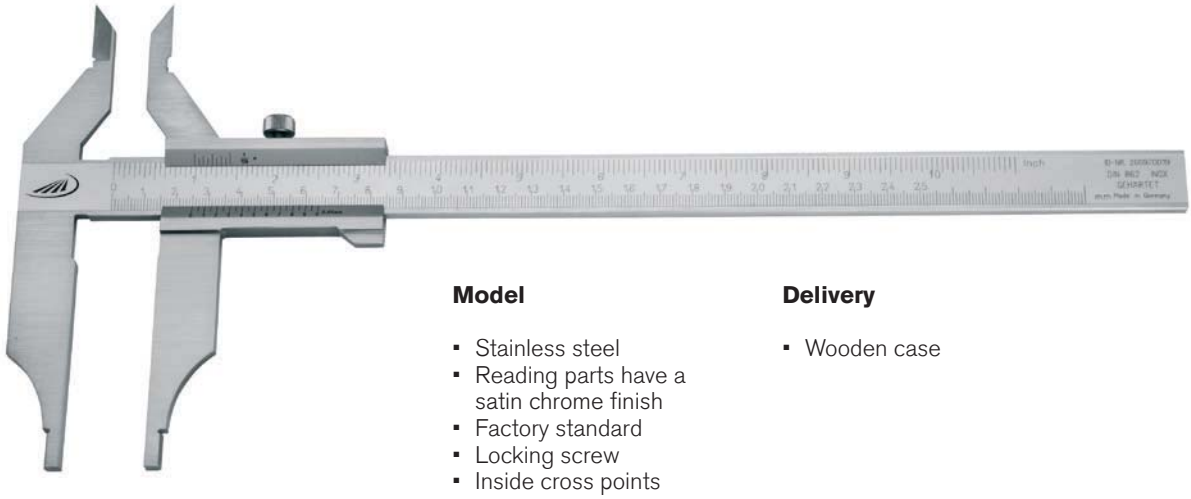
| | | Measuring range | | Jaw length | | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | mm | | EUR |
| | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.02 | 0.05 | 0238 503 | 364.00 |
| | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.02 | 0.07 | 0238 508 | 520.00 |
| | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.02 | 0.1 | 0238 514 | 695.00 |
| | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.02 | 0.12 | 0238 518 | 814.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.05 | 0.17 | 0238 524 | 2110.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.05 | 0.22 | 0238 526 | 2457.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0265 Caliper with cross points



**Model**

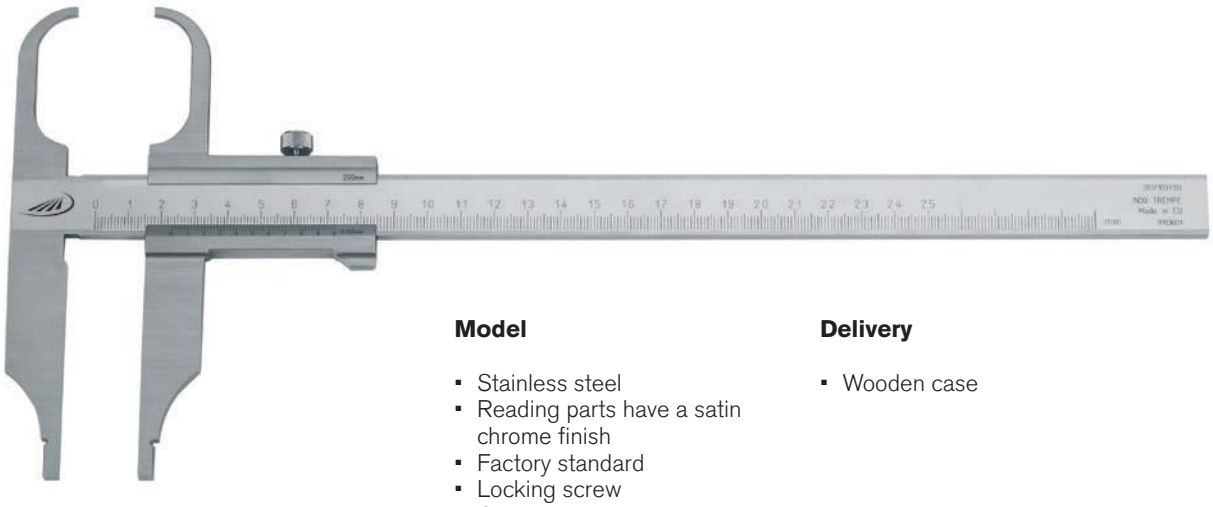
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Inside cross points 55 mm

**Delivery**

- Wooden case

| Measuring range | | Jaw length | | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | mm | | EUR |
| 0 - 250 | 0 - 10 | 80 | 3.1 | 0.02 | 0.03 | 026552 005 | 259.00 |

## 0266 Caliper with gripper points



**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Gripper points 55 mm

**Delivery**

- Wooden case

| Measuring range | | Jaw length | | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | mm | | EUR |
| 0 - 250 | 0 - 10 | 75 | 3.0 | 0.02 | 0.03 | 026652 005 | 347.00 |

# 1330 / 1331 DIGI-MET® Workshop calipers




### Model

- Stainless steel
- Inductive measuring system, resistent to damp and sweat
- DIN 862
- Knife points
- LCD display:
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **With knife points, without fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1330 522 | 384.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1330 528 | 583.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1330 532 | 952.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1330 534 | 1152.00 |
| **With knife points, with fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1331 522 | 443.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1331 528 | 654.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1331 532 | 1007.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1331 534 | 1157.00 |


1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |



Marked ▪ = excess length/excess weight

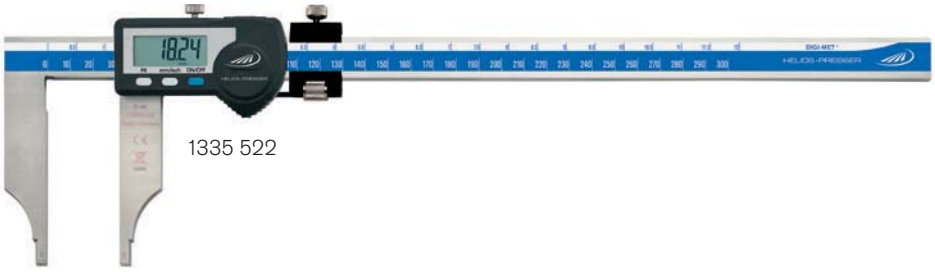
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1334 / 1335 DIGI-MET® Workshop calipers






1334 522




1335 522

## Model

- Stainless steel
- Inductive measuring system, resistent to damp and sweat
- DIN 862
- LCD display:
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Without fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1334 522 | 354.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1334 528 | 497.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1334 532 | 869.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1334 534 | 1028.00 |
| **With fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1335 522 | 405.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1335 528 | 572.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1335 532 | 934.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1335 534 | 1073.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |

# 1340 / 1341 DIGI-MET® Workshop calipers IP65




### Model

- Stainless steel
- Inductive measuring system, protection class IP65
- DIN 862
- Knife points
- LCD display:

- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm

- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **With knife points, without fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1340 522 | 414.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1340 528 | 789.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1340 532 | 1065.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1340 534 | 1310.00 |
| **With knife points, with fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1341 522 | 468.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1341 528 | 843.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1341 532 | 1118.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1341 534 | 1363.00 |




| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1342 / 1343 DIGI-MET® Workshop calipers IP65





1342 522

1343 522

## Model

- Stainless steel
- Inductive measuring system, protection class IP65
- DIN 862
- LCD display:
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Without fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1342 522 | 380.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1342 528 | 702.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1342 532 | 971.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1342 534 | 1208.00 |
| **With fine adjustment** | | | | | | | | | | |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1343 522 | 434.00 |
| ▪ | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1343 528 | 756.00 |
| ▪ | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1343 532 | 1025.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.04 | 1343 534 | 1261.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |

## 0222 / 0223 DIGI-MET® Workshop calipers long version




### Model

- Stainless steel
- LCD display 10 mm
- Locking screw
- Knife points
- Factory standard

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- Data output Opto RS 232
- PRESET-Function (setting a numerical value)

### Delivery

- Wooden case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **With knife points, without fine adjustment** | | | | | | | | | | |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.01 | .0005 | 0.1 | 0222 734 | 2569.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.01 | .0005 | 0.12 | 0222 736 | 3083.00 |
| **With knife points, with fine adjustment** | | | | | | | | | | |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.01 | .0005 | 0.1 | 0223 734 | 2741.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.01 | .0005 | 0.12 | 0223 736 | 3176.00 |


0996705 0996701 0997770

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0224 / 0225 DIGI-MET® Workshop calipers long version

OPTO





0224 736



0225 736

**Model**

- Stainless steel
- LCD display 10 mm
- Locking screw
- Without knife points
- Factory standard

**Functions**

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- Data output Opto RS 232
- PRESET-Function (setting a numerical value)

**Delivery**

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Without fine adjustment** | | | | | | | | | | |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.01 | .0005 | 0.1 | 0224 734 | 2323.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.01 | .0005 | 0.12 | 0224 736 | 2816.00 |
| **With fine adjustment** | | | | | | | | | | |
| | ▪ | 0 - 1500 | 0 - 59 | 200 | 8.0 | 0.01 | .0005 | 0.1 | 0225 734 | 2449.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 200 | 8.0 | 0.01 | .0005 | 0.12 | 0225 736 | 2907.00 |



0996705 0996701 0997770

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |

# 1351 DIGI-MET® Workshop calipers with cross points



1351 522



1351 622

## Model

- Stainless steel
- DIN 862
- LCD display
- 10 mm with measuring range 300 mm;
- 12.5 mm from measuring range 500 mm
- Locking screw
- Inside cross points
- Three way measurement

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| **Without fine adjustment** | | | | | | | | | | |
| | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1351 522 | 532.00 |
| | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1351 528 | 688.00 |
| **With fine adjustment** | | | | | | | | | | |
| | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1351 622 | 567.00 |
| | | 0 - 500 | 0 - 20 | 125 | 5.0 | 0.01 | .0005 | 0.03 | 1351 628 | 752.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |

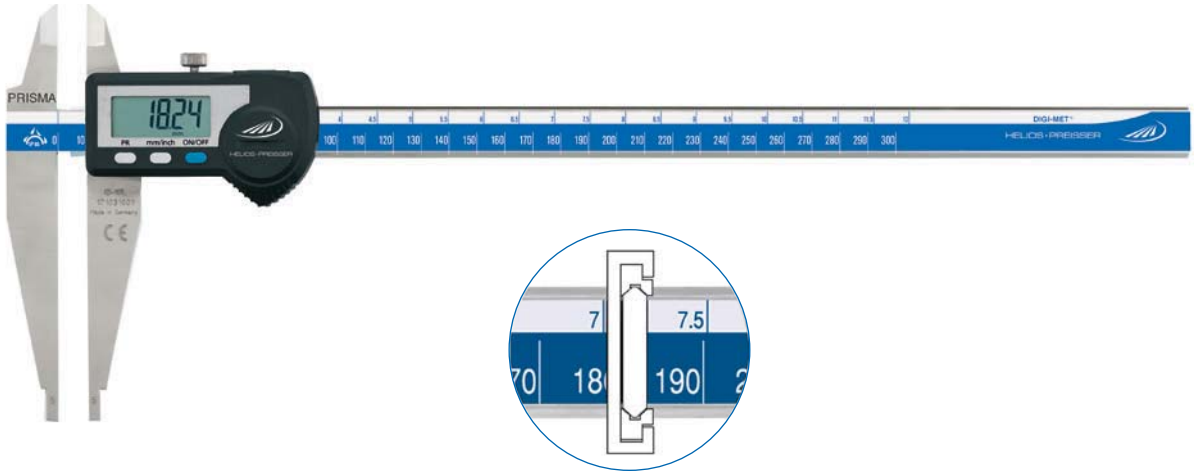


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1338 DIGI-MET® Workshop caliper PRISMA






## Model

- Double prisma guide with excellent sliding characteristics
- Stainless steel
- Accuracy in accordance to DIN 862
- LCD display 10 mm
- Locking screw
- Knife points
- Stepped jaws for inside measurement 10 mm

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

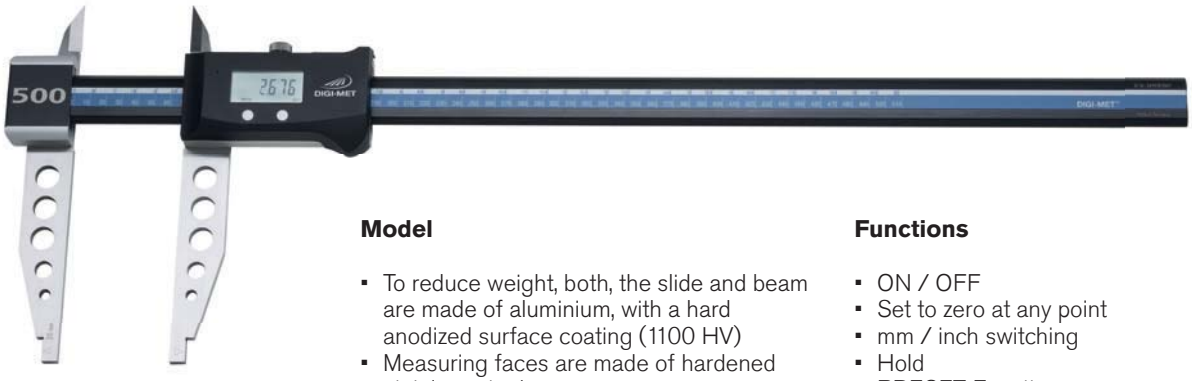
| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| ▪ | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1338 522 | 456.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

# 0228 DIGI-MET® Workshop calipers lightweight




## Model

- To reduce weight, both, the slide and beam are made of aluminium, with a hard anodized surface coating (1100 HV)
- Measuring faces are made of hardened stainless steel
- Factory standard
- Smoother, more even movement due to the double V-guide
- LCD display
- Locking screw
- Knife points

## Functions

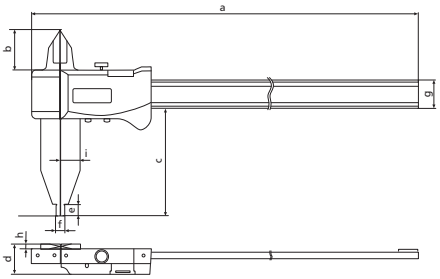
- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)

## Delivery

- Wooden case

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 0228 701 | 473.00 |
| | | 0 - 500 | 0 - 20 | 150 | 6.0 | 0.01 | .0005 | 0.03 | 0228 702 | 658.00 |
| | | 0 - 800 | 0 - 31 | 150 | 6.0 | 0.01 | .0005 | 0.08 | 0228 703 | 925.00 |
| | | 0 - 1000 | 0 - 39 | 150 | 6.0 | 0.01 | .0005 | 0.08 | 0228 704 | 1091.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 150 | 6.0 | 0.01 | .0005 | 0.1 | 0228 724 | 2753.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 150 | 6.0 | 0.01 | .0005 | 0.12 | 0228 726 | 3273.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |



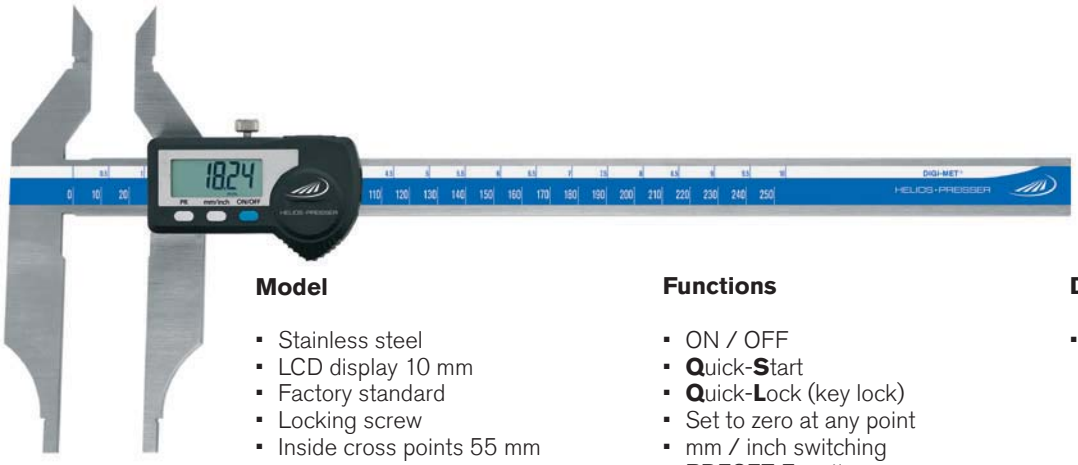

| Measuring range | a | b | c | d | e | f | g | h | i |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 450 | 33 | 90 | 24.5 | 10 | 10 | 25.0 | 4.5 | 17.0 |
| 500 | 726 | 42 | 150 | 33.5 | 15 | 20 | 31.9 | 6.0 | 29.0 |
| 800 | 1026 | 42 | 150 | 33.5 | 15 | 20 | 31.9 | 6.0 | 29.0 |
| 1000 | 1226 | 42 | 150 | 33.5 | 15 | 20 | 31.9 | 6.0 | 29.0 |
| 1500 | 1726 | 42 | 200 | 33.5 | 15 | 20 | 31.9 | 6.0 | 29.0 |
| 2000 | 2226 | 42 | 200 | 33.5 | 15 | 20 | 31.9 | 6.0 | 29.0 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1351 DIGI-MET® Caliper with cross points



**Model**

- Stainless steel
- LCD display 10 mm
- Factory standard
- Locking screw
- Inside cross points 55 mm

**Functions**

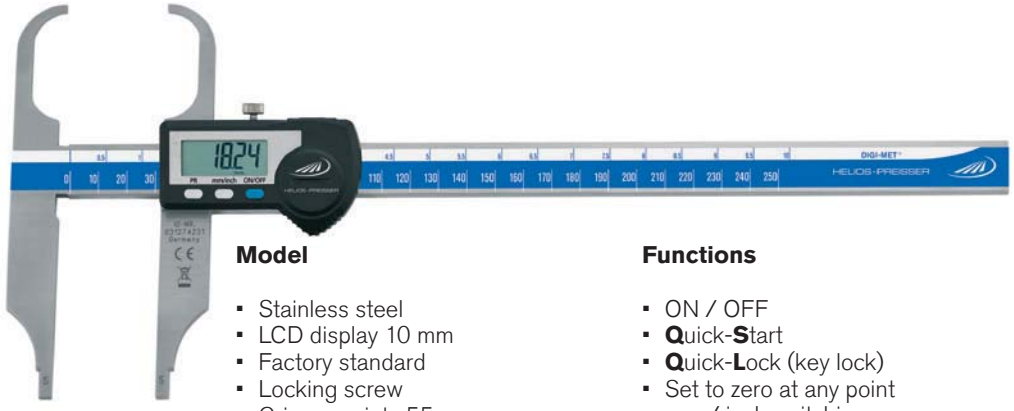
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

**Delivery**

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| | | 0 - 250 | 0 - 10 | 80 | 3.2 | 0.01 | .0005 | 0.03 | 1351 920 | 479.00 |

## 1354 DIGI-MET® Caliper with gripper points



**Model**

- Stainless steel
- LCD display 10 mm
- Factory standard
- Locking screw
- Gripper points 55 mm

**Functions**

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

**Delivery**

- Wooden case

| | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| ▪ | | 0 - 250 | 0 - 10 | 75 | 3.0 | 0.01 | .0005 | 0.03 | 1354 520 | 566.00 |

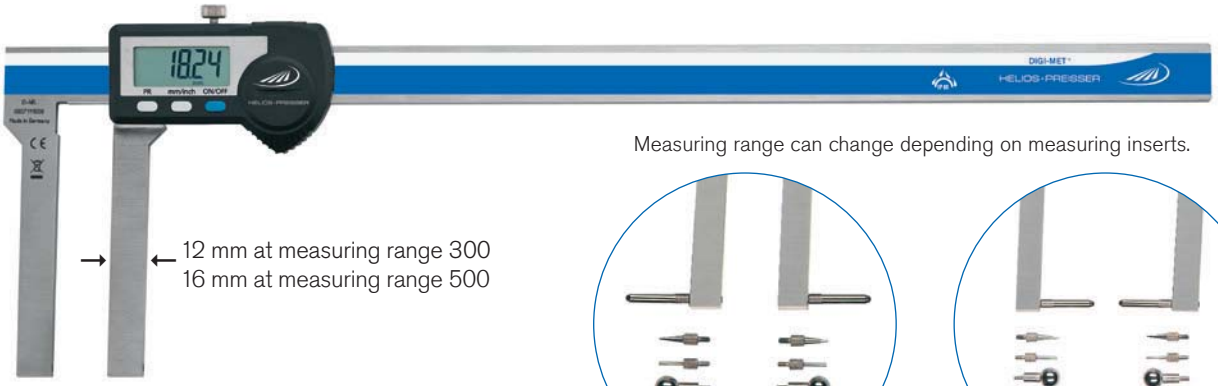


1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

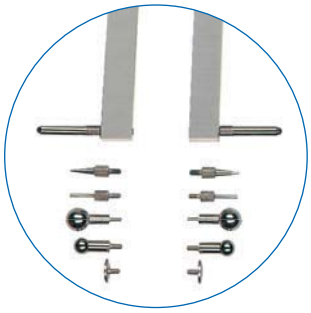
= **Q**uick**L**ock = **Q**uick**S**tart = Waterproof acc. IP = Data output = DIN

# 1348 DIGI-MET® Universal calipers

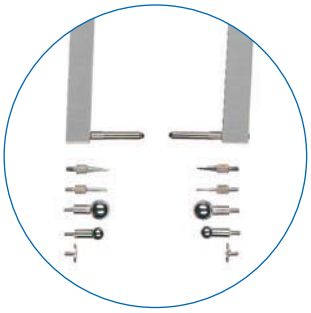



12 mm at measuring range 300
16 mm at measuring range 500

Measuring range can change depending on measuring inserts.



for internal measurements



for external measurements

### Model

- Stainless steel
- Factory standard
- LCD display 10 or 12.5 mm
- Locking screw
- For internal and external measurements
- Individually adaptable on problematic tasks through measuring inserts with thread M 2.5

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden box
- Without measuring inserts (correct measuring inserts with thread M 2.5 see pages 137 - 140)

| ⋈ | | Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | inch | mm | | EUR |
| | | 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.06 | 1348 722 | 583.00 |
| | | 0 - 500 | 0 - 20 | 100 | 4.0 | 0.01 | .0005 | 0.06 | 1348 728 | 747.00 |



1998720 1998501 1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0250 Contraction vernier calipers



## Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- With interchangeable hardened scribing jaws
- Low-set master scale
- High-precision laser graduation on the vernier and scale
- Stepped jaws for inside measurement: 10 mm* and / or 20 mm

## Delivery

- Cardboard box

| | | Measuring range mm | Jaw length mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Direct reading for internal and external measurement** | | | | | | |
| | | 0 - 300 | 90 | 0.05 | 0250 501* | 245.00 |
| | | 0 - 500 | 150 | 0.05 | 0250 502 | 667.00 |
| | | 0 - 600 | 150 | 0.05 | 0250 503 | 791.00 |
| | | 0 - 800 | 150 | 0.05 | 0250 504 | 998.00 |
| | | 0 - 1000 | 150 | 0.05 | 0250 505 | 1213.00 |
| **Contraction scale divisions 1.0% - 1.5% - 2.0% - 1/1 mm** | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 511* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 512 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 513 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 514 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 515 | 1300.00 |
| **Contraction scale divisions 0.5% - 0.8% - 1.0% - 1/1 mm** | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 521* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 522 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 523 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 524 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 525 | 1300.00 |
| **Contraction scale divisions 1.0% - 1.25% - 1.5% - 1/1 mm** | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 531* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 532 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 533 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 534 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 535 | 1300.00 |
| **Contraction scale divisions 1.75% - 2.0% - 2.5% - 1/1 mm** | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 541* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 542 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 543 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 544 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 545 | 1300.00 |

## 0250 Contraction vernier calipers

| ⋈ | | Measuring range mm | Jaw length mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| Contraction scale divisions 1.0% - 1.25% - 2.0% - 1/1 mm | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 551* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 552 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 553 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 554 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 555 | 1300.00 |
| Contraction scale divisions 0.3% - 0.4% - 0.6% - 1/1 mm | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 561* | 264.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 562 | 700.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 563 | 832.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 564 | 1070.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 565 | 1300.00 |
| Contraction scale divisions 1.0% - 1.25% - 1.5% - 2.0% | | | | | | |
| | | 0 - 300 | 90 | 0.1 | 0250 571* | 277.00 |
| | | 0 - 500 | 150 | 0.1 | 0250 572 | 772.00 |
| | | 0 - 600 | 150 | 0.1 | 0250 573 | 918.00 |
| | | 0 - 800 | 150 | 0.1 | 0250 574 | 1155.00 |
| | | 0 - 1000 | 150 | 0.1 | 0250 575 | 1403.00 |

## 0250 Interchangeable points (pair) for contraction vernier calipers

**Model**

- Ø 3.0 mm and Ø 4.0 mm

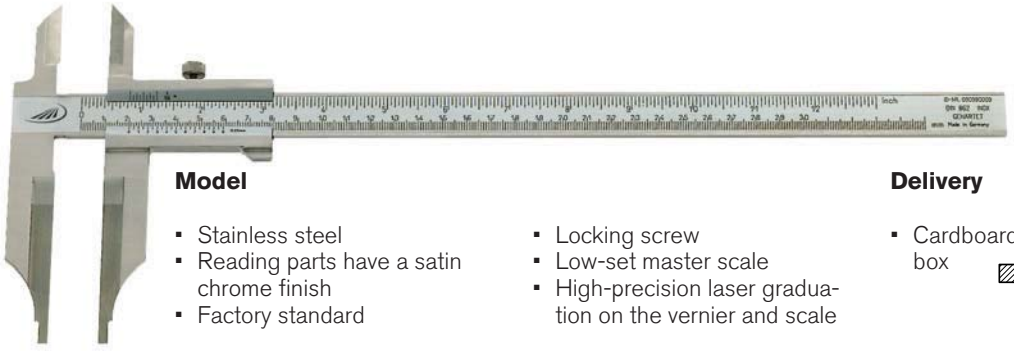
| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | For measuring range 300 mm, steel, hardened | 0250 101 | 5.70 |
| | | For measuring range 500 + 600 mm, steel, hardened | 0250 102 | 11.40 |
| | | For measuring range 800 + 1000 mm, steel, hardened | 0250 103 | 15.60 |
| | | For measuring range 300 mm, carbide | 0250 201 | 57.00 |
| | | For measuring range 500 + 600 mm, carbide | 0250 202 | 82.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0262 Caliper for external locking groves

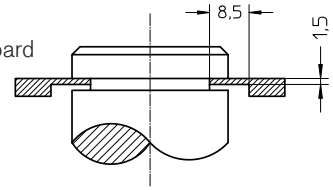


### Model

- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on the vernier and scale

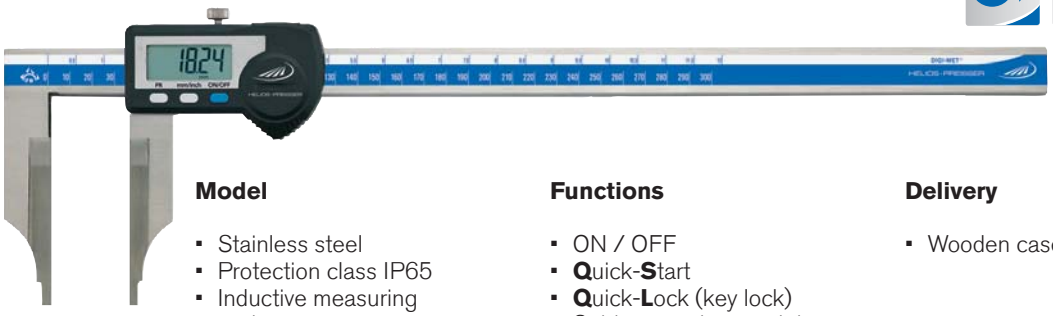
### Delivery

- Cardboard box




| Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | mm | | EUR |
| 0 - 300 | 0 - 12 | 90 | 3.5 | 0.05 | 1/128 | 0.03 | 0262 503 | 260.00 |

## 1353 DIGI-MET® Caliper for external locking grooves



### Model

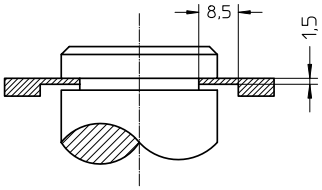
- Stainless steel
- Protection class IP65
- Inductive measuring system
- LCD display 10 mm
- Locking screw
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case




| Measuring range | | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| mm | inch | mm | inch | mm | inch | mm | | EUR |
| 0 - 300 | 0 - 12 | 90 | 3.5 | 0.01 | .0005 | 0.03 | 1353 522 | 471.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 0252 Brake drum vernier calipers



**Model**

- Stainless steel
- Vernier satin chrome finished
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on the vernier and scale

**Delivery**

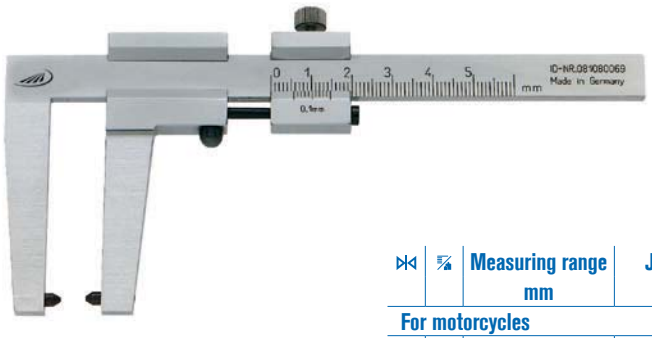
- Cardboard box

| ⋈ | ◪ | Measuring range Internal mm | Measuring range External mm | Jaw length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 40 - 300 | 0 - 300 | 90 | 0.05 | 0.1 | 0252 201 | 137.00 |
| | | 50 - 500 | 0 - 500 | 150 | 0.05 | 0.14 | 0252 202 | 264.00 |
| | | 50 - 600 | 0 - 600 | 200 | 0.05 | 0.16 | 0252 203 | 289.00 |

## 0252 Replacement points (pair) for brake drum vernier caliper

| ⋈ | ◪ | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | For measuring range 300 mm | 0252 291 | 4.20 |
| | | For measuring range 500 + 600 mm | 0252 293 | 5.20 |

## 0253 Brake disc inspection gauges




**Model**

- Special steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- With trailing vernier
- High-precision laser graduation on the vernier and scale

**Delivery**

- Cardboard box

| ⋈ | ◪ | Measuring range mm | Jaw length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| For motorcycles | | | | | | | |
| | | 0 - 50 | 30 | 0.1 | 0.1 | 0253 300 | 81.00 |
| For cars | | | | | | | |
| | | 0 - 50 | 50 | 0.1 | 0.14 | 0253 301 | 81.00 |
| For trucks | | | | | | | |
| | | 0 - 80 | 50 | 0.1 | 0.16 | 0253 302 | 103.00 |

## 0253 Replacement points (pair) for brake disc inspection gauge

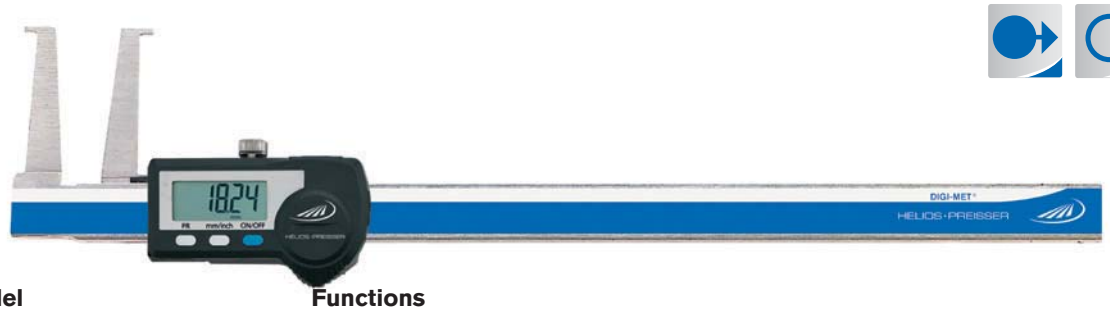
| ⋈ | ◪ | Order no. | List price EUR |
|---|---|---|---|
| | | 0253 391 | 3.70 |



◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1352 DIGI-MET® Calipers for interval grooves




**Model**

- Stainless steel
- LCD display 7.5 mm
- Factory standard
- Locking screw

**Functions**

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

**Delivery**

- Wooden case

| Measuring range | Jaw length | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | mm | inch | mm | inch | mm | | EUR |
| 10 - 160 | 25 | 1.0 | 0.01 | .0005 | 0.06 | 1352 516 | 372.00 |
| 20 - 160 | 40 | 1.5 | 0.01 | .0005 | 0.06 | 1352 517 | 419.00 |
| 26 - 200 | 60 | 2.3 | 0.01 | .0005 | 0.06 | 1352 518 | 768.00 |
| 30 - 250 | 80 | 3.1 | 0.01 | .0005 | 0.06 | 1352 520 | 864.00 |
| 35 - 300 | 100 | 3.9 | 0.01 | .0005 | 0.06 | 1352 522 | 901.00 |

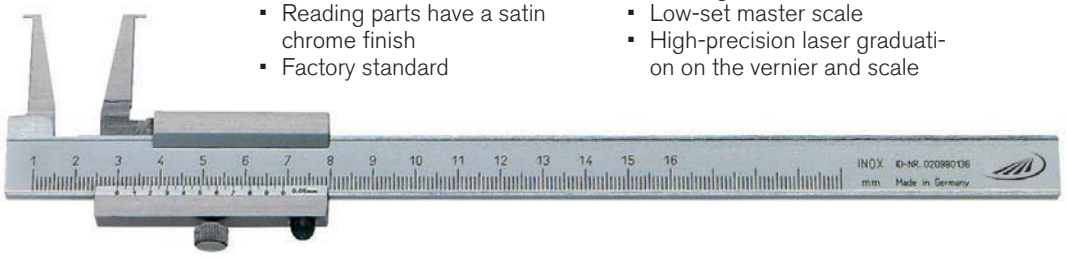
## 0258 Calipers for interval grooves

**Model**

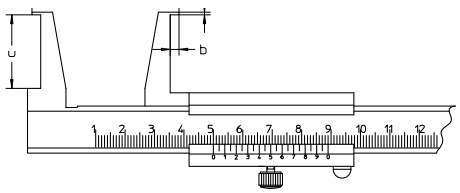
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Low-set master scale
- High-precision laser graduation on the vernier and scale

**Delivery**

- Cardboard box




| Measuring range | Jaw length | | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|
| mm | mm | inch | mm | mm | | EUR |
| 10 - 160 | 25 | 1.0 | 0.05 | 0.1 | 0258 501 | 138.00 |
| 20 - 160 | 40 | 1.5 | 0.05 | 0.1 | 0258 502 | 184.00 |
| 26 - 200 | 60 | 2.3 | 0.05 | 0.1 | 0258 503 | 283.00 |
| 30 - 250 | 80 | 3.1 | 0.05 | 0.1 | 0258 504 | 320.00 |
| 35 - 300 | 100 | 3.9 | 0.05 | 0.1 | 0258 505 | 357.00 |




| Measuring range | a | b |
|---|---|---|
| 10 - 160 | 0.9 | 3.0 |
| 20 - 160 | 2.0 | 5.0 |
| 26 - 200 | 3.0 | 7.0 |
| 30 - 250 | 4.0 | 8.5 |
| 35 - 300 | 5.0 | 10.0 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0260 Calipers for 3/5 point measurement




**Model**

- Stainless steel
- Reading parts have a satin chrome finish
- Locking screw
- Factory standard

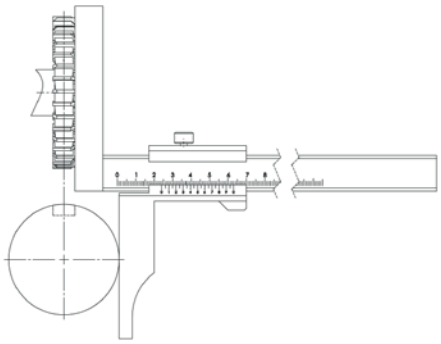
**Delivery**

- Cardboard box

| ⋈ | ◪ | Measuring range mm | Reading mm | Reading inch | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| 3 point measurement | | | | | | | |
| | | 4 - 40 | 0.05 | 1/128 | 0.05 | 0260 501 | 71.00 |
| 5 point measurement | | | | | | | |
| | | 2 - 40 | 0.05 | 1/128 | 0.05 | 0260 502 | 71.00 |

## 0268 Milling tool caliper





**Model**

- Stainless steel
- Vernier satin chrome finished
- Factory standard
- Setting of milling cutters, can be used as height gauge

**Delivery**

- Cardboard box

| ⋈ | ◪ | Measuring range mm | Jaw length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 200 | 80 | 0.05 | 0.05 | 0268 518 | 175.00 |
| | | 0 - 300 | 80 | 0.05 | 0.05 | 0268 522 | 187.00 |



◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0597 Chamfer gauge





### Model

- Stainless steel
- Reading 0.1 mm
- Reading parts are satin chrome finished
- For simultaneously testing of the chamfer angle and the dimensional accuracy
- Dimensions: 48 x 30 x 8.5 mm

### Delivery

- 3 interchangeable blades: 30°, 45°. 60°

| | | Measuring range mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 10 | 0.10 | 0597 301 | 168.00 |

## 0597 Radius gauge





### Model

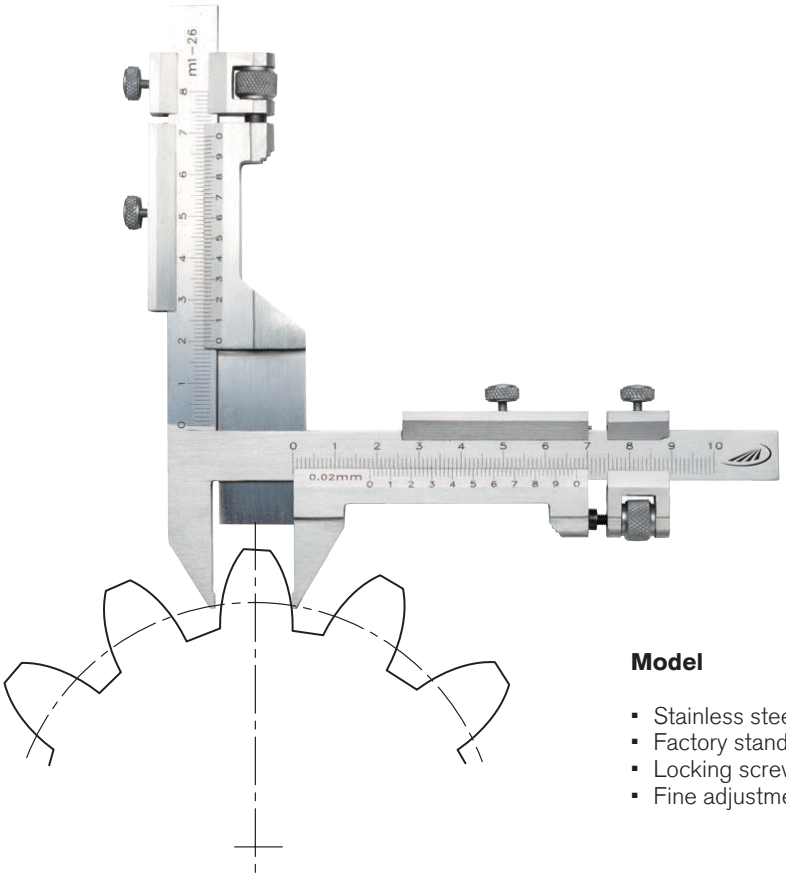
- To determine radius size workpieces
- Stainless steel
- Reading parts are satin chrome finished

### Delivery

- Wooden case

| | | Measuring range mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 10 | 0.10 | 0597 305 | 168.00 |

## 0268 Gear tooth calipers




**Model**

- Stainless steel
- Factory standard
- Locking screw
- Fine adjustment

**Delivery**

- Wooden case

| ⋈ | | Measuring range mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Hardened jaw tips** | | | | | | |
| | | 0 - 26 | 0.02 | 0.1 | 0268 201 | 296.00 |
| **Carbide tipped jaw tips** | | | | | | |
| | | 0 - 26 | 0.02 | 0.1 | 0268 211 | 361.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0280 / 0281 Vernier depth gauges

DIN 862






0280 501



0281 501

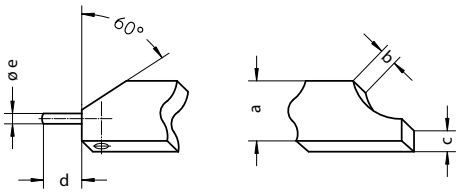
## Model

- Stainless steel
- Reading parts have a satin chrome finish
- DIN 862
- Low-set master scale
- Locking screw
- Measuring rod with interchangeable pin
- High-precision laser graduation on the vernier and scale

## Delivery

- Cardboard box

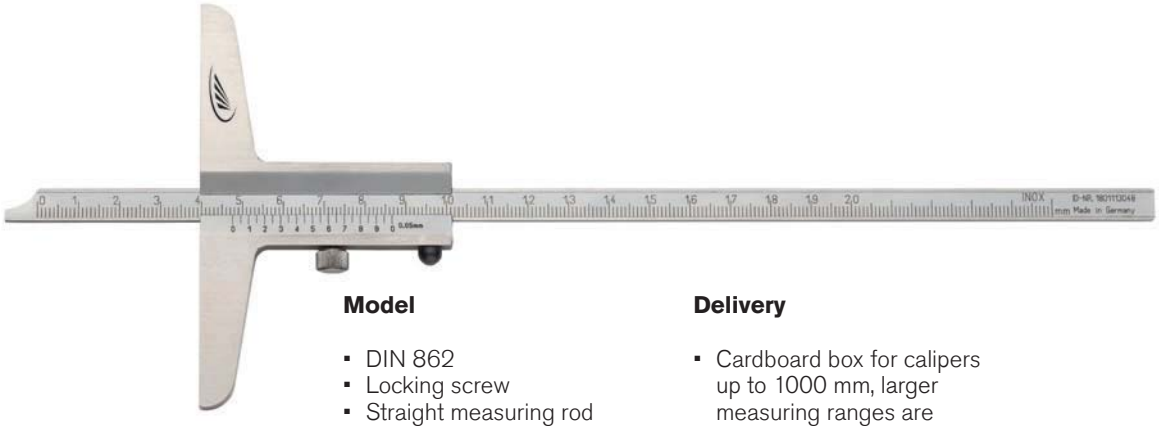
| ⋈ | | Measuring range mm | Measuring range inch | Base length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Vernier satin chrome finished. measuring rod with interchangeable pin (factory standard)** | | | | | | | | |
| ▪ | | 0 - 80 | | 50 | 0.05 | 0.05 | 0280 501 | 59.00 |
| **Vernier satin chrome finished. reversible measuring rod with interchangeable pin** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0281 201 | 78.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0281 202 | 81.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0281 204 | 90.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0281 205 | 102.00 |
| **Vernier + scale satin chrome finished. reversible measuring rod with interchangeable pin** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0281 501 | 85.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0281 502 | 88.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0281 504 | 101.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0281 505 | 110.00 |




| Measuring range | a | b | c | d | e |
|---|---|---|---|---|---|
| 0 - 80 | 8.0 | 3.0 | - | 6.0 | 1.0 |
| 150 - 200 | 8.0 | 3.0 | 3.5 | 8.0 | 1.5 |
| 250 - 300 | 12.0 | 4.0 | 4.0 | 8.0 | 2.0 |

# 0282 Vernier depth gauges

DIN 862



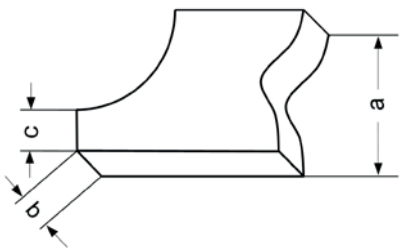
## Model

- DIN 862
- Locking screw
- Straight measuring rod
- Low-set master scale
- High-precision laser graduation on the vernier and scale

## Delivery

- Cardboard box for calipers up to 1000 mm, larger measuring ranges are individually packed

| ⋈ | ◪ | Measuring range mm | Measuring range inch | Base length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Stainless steel, vernier satin chrome finished** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0282 201 | 69.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0282 202 | 71.00 |
| ▪ | | 0 - 300 | 0 - 12 | 100 | 0.05 | 0.05 | 0282 203 | 82.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0282 204 | 79.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0282 205 | 86.00 |
| ▪ | | 0 - 400 | 0 - 16 | 150 | 0.05 | 0.06 | 0282 206 | 97.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.05 | 0.07 | 0282 207 | 133.00 |
| ▪ | | 0 - 500 | 0 - 20 | 250 | 0.05 | 0.07 | 0282 208 | 205.00 |
| ▪ | | 0 - 800 | 0 - 31 | 250 | 0.05 | 0.1 | 0282 209 | 338.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 250 | 0.05 | 0.12 | 0282 210 | 480.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 300 | 0.05 | 0.18 | 0282 212 | 1172.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 300 | 0.05 | 0.22 | 0282 213 | 1540.00 |
| **Stainless steel, vernier + scale satin chrome finished** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0282 501 | 75.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0282 502 | 79.00 |
| ▪ | | 0 - 300 | 0 - 12 | 100 | 0.05 | 0.05 | 0282 503 | 89.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0282 504 | 86.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0282 505 | 95.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.05 | 0.07 | 0282 507 | 146.00 |
| ▪ | | 0 - 500 | 0 - 20 | 250 | 0.05 | 0.07 | 0282 508 | 223.00 |
| ▪ | | 0 - 800 | 0 - 31 | 250 | 0.05 | 0.1 | 0282 509 | 371.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 250 | 0.05 | 0.12 | 0282 510 | 526.00 |




| Measuring range mm | a | b | c |
|---|---|---|---|
| 150 - 200 | 8.0 | 3.0 | 3.5 |
| 250 - 500 | 12.0 | 4.0 | 4.0 |
| 500 - 1000 | 20.0 | 5.0 | 10.0 |
| 1500 | 25.0 | 6.0 | 13.0 |
| 2000 | 30.0 | 7.0 | 13.0 |



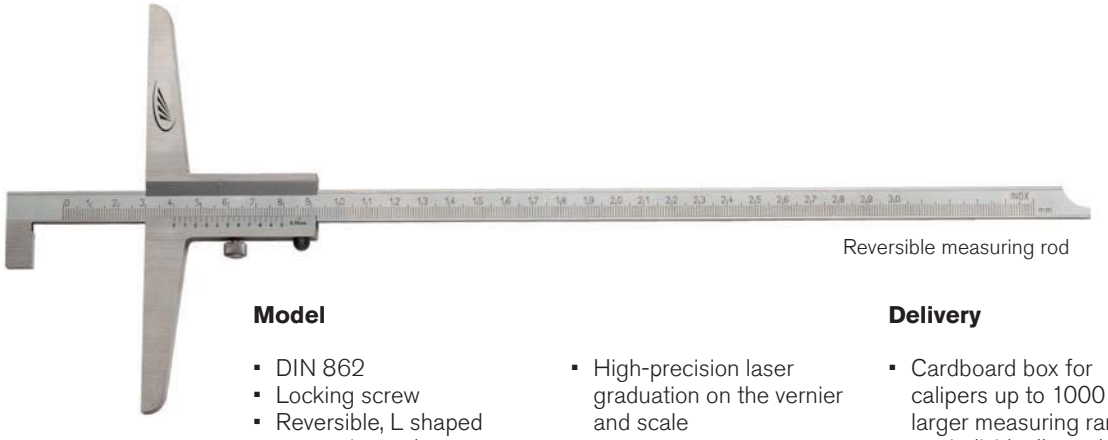
◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0286 Vernier depth gauges

DIN 862





Reversible measuring rod

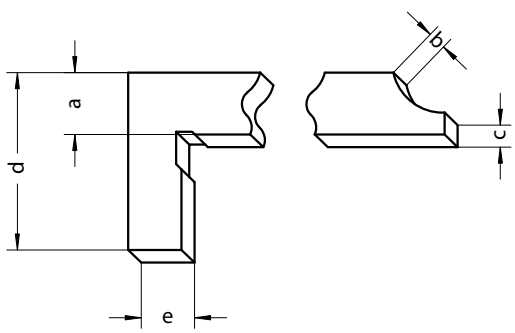
## Model

- DIN 862
- Locking screw
- Reversible, L shaped measuring rod
- Scales on both sides
- Low-set master scale
- High-precision laser graduation on the vernier and scale

## Delivery

- Cardboard box for calipers up to 1000 mm, larger measuring ranges are individually packed

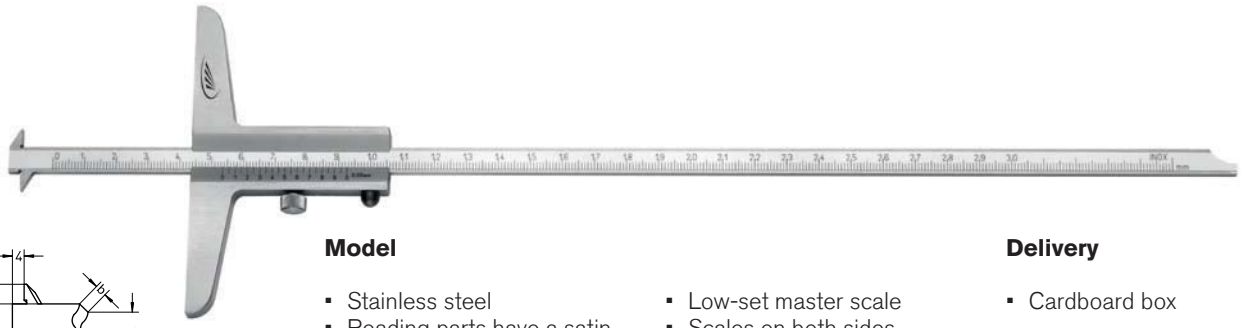
| | | Measuring range | | Base length | Reading | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | mm | | EUR |
| **Stainless steel, vernier satin chrome finished** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0286 201 | 82.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0286 202 | 84.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0286 204 | 95.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0286 205 | 102.00 |
| ▪ | | 0 - 400 | 0 - 16 | 150 | 0.05 | 0.06 | 0286 206 | 126.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.05 | 0.07 | 0286 207 | 160.00 |
| ▪ | | 0 - 500 | 0 - 20 | 250 | 0.05 | 0.07 | 0286 208 | 268.00 |
| ▪ | | 0 - 800 | 0 - 31 | 250 | 0.05 | 0.1 | 0286 209 | 420.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 250 | 0.05 | 0.12 | 0286 210 | 583.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 300 | 0.05 | 0.18 | 0286 212 | 1259.00 |
| | ▪ | 0 - 2000 | 0 - 79 | 300 | 0.05 | 0.22 | 0286 213 | 1623.00 |
| **Stainless steel, vernier + scale satin chrome finished** | | | | | | | | |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.05 | 0.05 | 0286 501 | 89.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0286 502 | 90.00 |
| ▪ | | 0 - 250 | 0 - 10 | 130 | 0.05 | 0.05 | 0286 504 | 104.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.05 | 0.05 | 0286 505 | 110.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.05 | 0.07 | 0286 507 | 177.00 |
| ▪ | | 0 - 500 | 0 - 20 | 250 | 0.05 | 0.07 | 0286 508 | 372.00 |
| ▪ | | 0 - 800 | 0 - 31 | 250 | 0.05 | 0.1 | 0286 509 | 502.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 250 | 0.05 | 0.12 | 0286 510 | 639.00 |

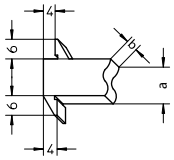



| Measuring range mm | a | b | c | d | e |
|---|---|---|---|---|---|
| 150 - 200 | 8.0 | 3.0 | 3.5 | 20.0 | 5.0 |
| 250 - 500 | 12.0 | 4.0 | 4.0 | 28 | 10 |
| 500 - 1000 | 20.0 | 5.0 | 10.0 | 70.0 | 19.0 |
| 1500 | 25.0 | 6.0 | 13.0 | 90.0 | 24.0 |
| 2000 | 30.0 | 7.0 | 13.0 | 90.0 | 29.0 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0292 Offset vernier depth gauges






### Model

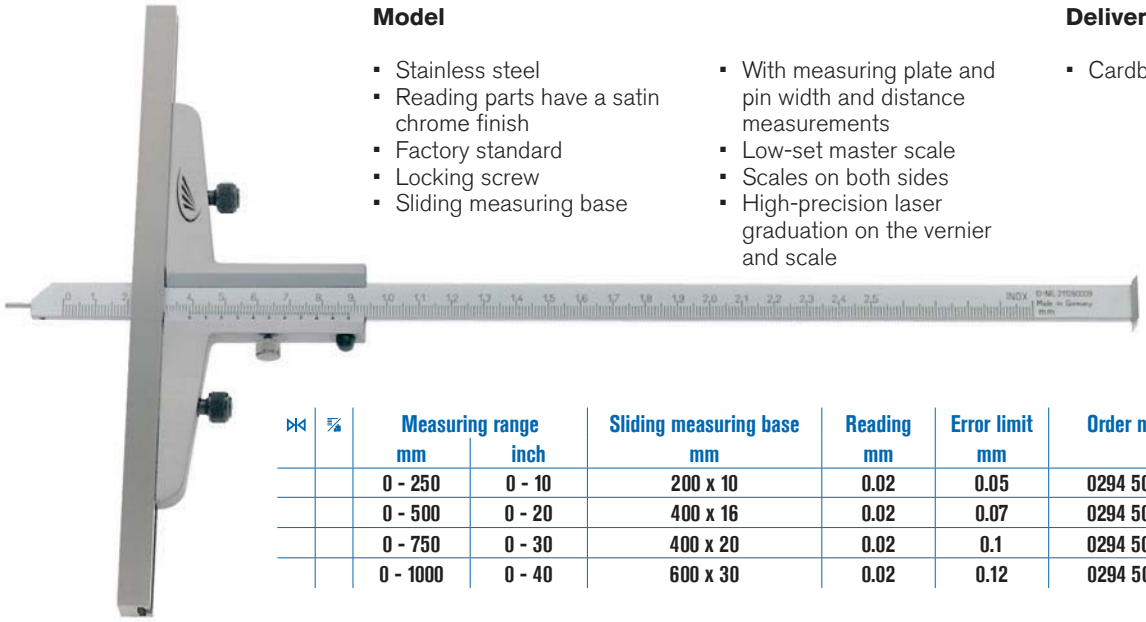
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Reversible, offset meas. rod
- Low-set master scale
- Scales on both sides
- High-precision laser graduation on the vernier and scale

### Delivery

- Cardboard box

| ⋈ | ▨ | Measuring range mm | Measuring range inch | Base length mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 200 | 0 - 8 | 100 | 0.05 | 0.05 | 0292 501 | 84.00 |
| | | 0 - 300 | 0 - 12 | 100 | 0.05 | 0.05 | 0292 502 | 96.00 |

## 0294 Vernier depth gauges with sliding measuring base



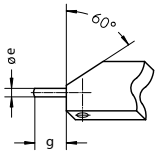
### Model

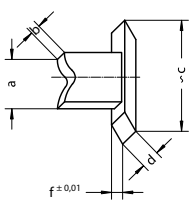
- Stainless steel
- Reading parts have a satin chrome finish
- Factory standard
- Locking screw
- Sliding measuring base
- With measuring plate and pin width and distance measurements
- Low-set master scale
- Scales on both sides
- High-precision laser graduation on the vernier and scale

### Delivery

- Cardboard box

| ⋈ | ▨ | Measuring range mm | Measuring range inch | Sliding measuring base mm | Reading mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 250 | 0 - 10 | 200 x 10 | 0.02 | 0.05 | 0294 504 | 451.00 |
| | | 0 - 500 | 0 - 20 | 400 x 16 | 0.02 | 0.07 | 0294 505 | 720.00 |
| | | 0 - 750 | 0 - 30 | 400 x 20 | 0.02 | 0.1 | 0294 506 | 1119.00 |
| | | 0 - 1000 | 0 - 40 | 600 x 30 | 0.02 | 0.12 | 0294 507 | 1517.00 |




| Measuring range mm | a | b | c | d | e | f | g |
|---|---|---|---|---|---|---|---|
| 250 - 500 | 12.0 | 4.0 | 18.0 | 6.0 | 2.0 | 2.0 | 8.0 |
| 750 - 1000 | 20.0 | 5.0 | 30.0 | 8.0 | 3.0 | 3.0 | 8.0 |

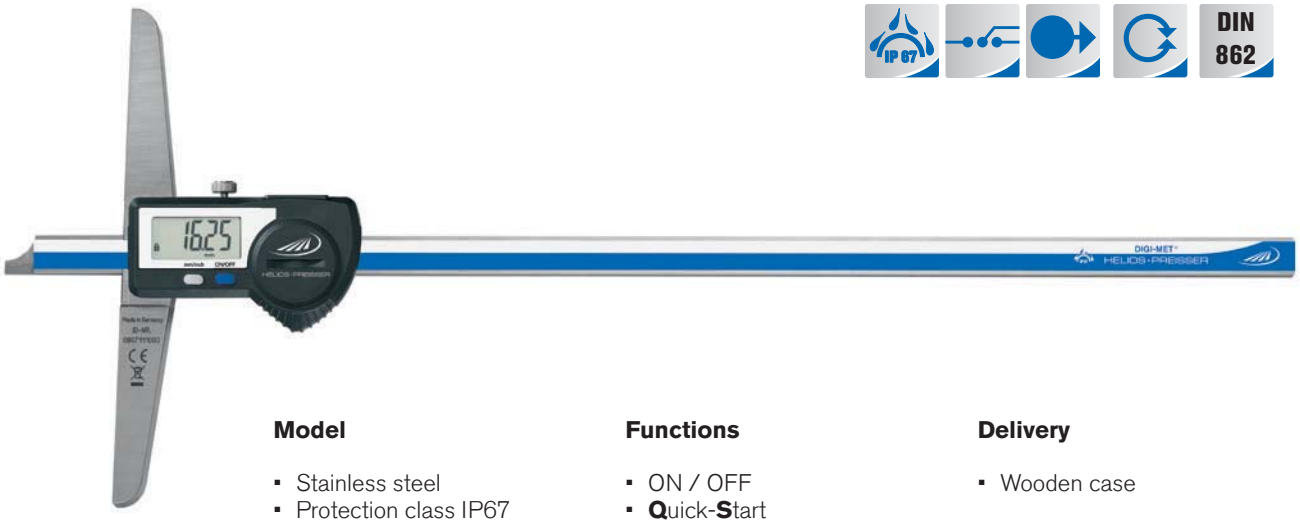


▨ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1360 DIGI-MET® Depth gauges





### Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Straight measuring rod

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switchin
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

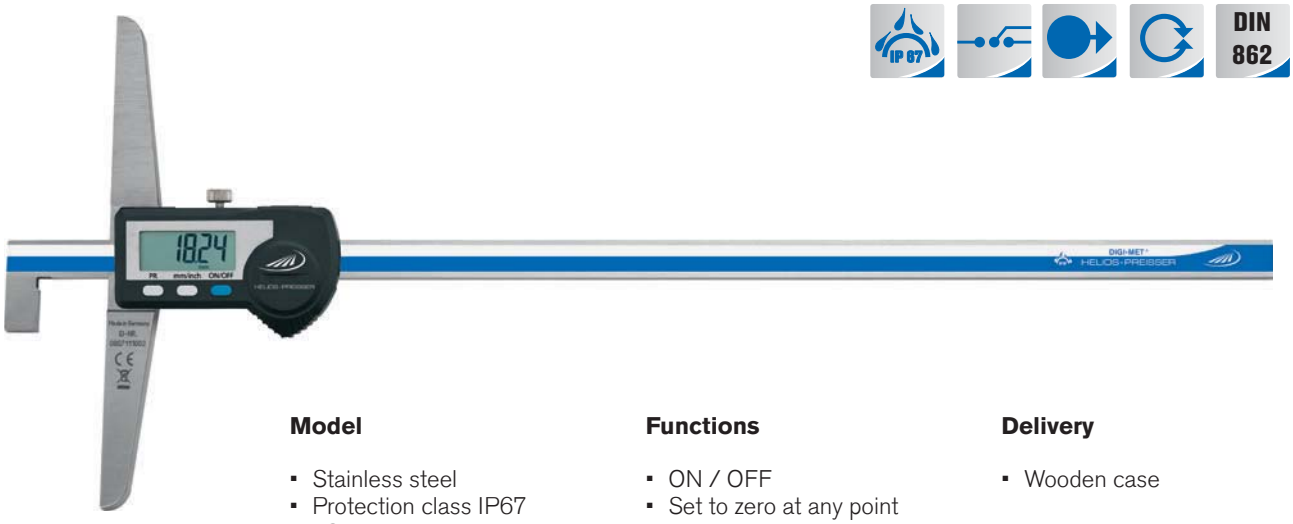
| ⋈ | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.01 | .0005 | 0.03 | 1360 716 | 316.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.01 | .0005 | 0.03 | 1360 718 | 358.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1360 722 | 402.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.03 | 1360 728 | 462.00 |
| ▪ | | 0 - 1000 | 0 - 39 | 250 | 0.01 | .0005 | 0.04 | 1360 734 | 1315.00 |
| | ▪ | 0 - 1500 | 0 - 59 | 250 | 0.01 | .0005 | 0.05 | 1360 738 | 2006.00 |
| | ▪ | 0 - 2000 | 0 - 80 | 250 | 0.01 | .0005 | 0.06 | 1360 740 | 2381.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

# 1362 DIGI-MET® Depth gauges



**Model**

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- Locking screw
- L-shaped measuring rod
- Larger measuring ranges are available upon request
- Factory standard

**Functions**

- ON / OFF
- Set to zero at any point
- mm / inch switching
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

**Delivery**

- Wooden case

| | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1362 722 | 412.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.03 | 1362 728 | 479.00 |



1998720 1997501 1998501

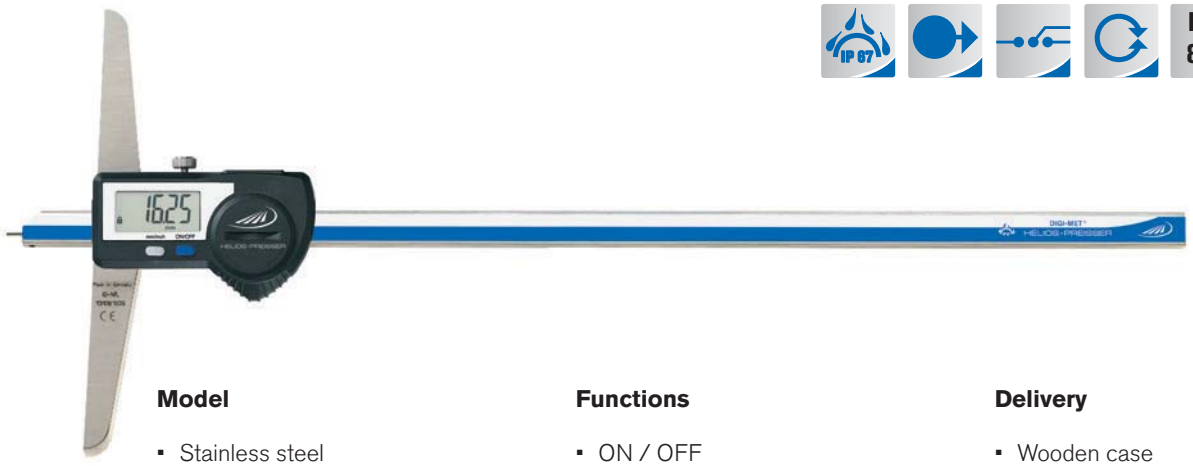
| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1364 DIGI-MET® Depth gauges



### Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- DIN 862
- Locking screw
- Replaceable pin
- Larger measuring ranges are available upon request

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.01 | .0005 | 0.03 | 1364 722 | 390.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1364 728 | 434.00 |



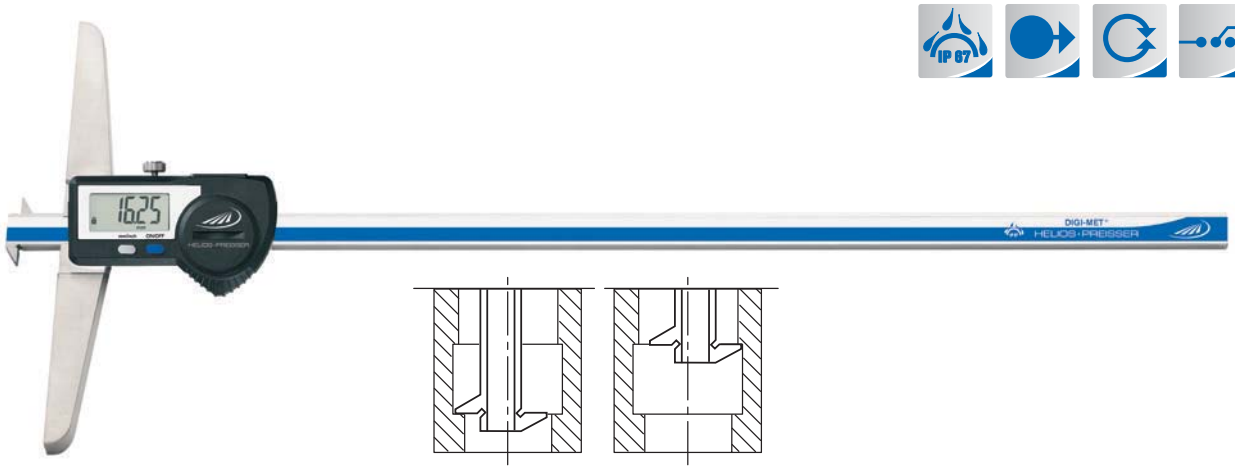
1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 0276 Replacement measuring pin

| | | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 2 | 0276 711 | 6.10 |

# 1366 DIGI-MET® Offset depth gauges



## Model

- Stainless steel
- Inductive measuring system, protection class IP67
- LCD display 7.5 mm
- Factory standard
- Housing and operating keys have an excellent chemical resistance
- Locking screw

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Wooden case

| | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.01 | .0005 | 0.03 | 1366 718 | 405.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1366 722 | 489.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.03 | 1366 728 | 616.00 |



1998720 1997501 1998501

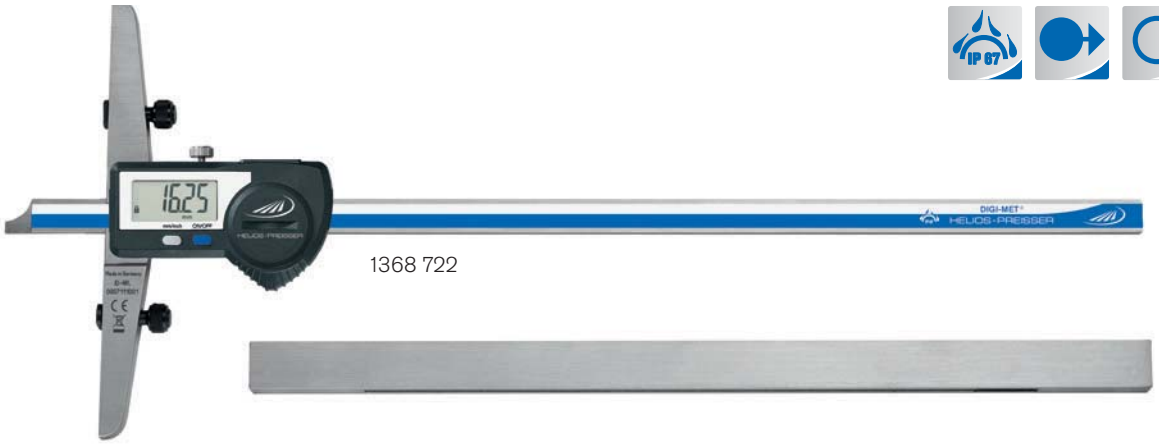
| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1368 DIGI-MET® Depth gauges



1368 722

### Model

- Stainless steel
- Inductive measuring system, protection class IP67
- LCD display 7.5 mm
- Locking screw

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden box
- **The sliding measuring base must be ordered separately**

| Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | mm | inch | mm | | EUR |
| 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1368 722 | 412.00 |
| 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.03 | 1368 728 | 469.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 0279 Sliding measuring base made of stainless steel



0279 722

| Description | Order no. | List price EUR |
|---|---|---|
| 300 mm x 16 mm | 0279 722 | 261.00 |
| 400 mm x 16 mm | 0279 723 | 273.00 |

# 1371i DIGI-MET® Depth gauges IP67 with integrated wireless

**NOVELTY**
**Data transmission without cable or radio module**

integrated wireless




137141 660

## Model

- Stainless steel
- Inductive measuring system, protection class IP67
- DIN 862
- Locking screw
- LCD display 11 mm
- Measuring pin dia. 1.5 mm

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching
- Integrated Wireless

## Delivery

- Plastic case

| ⋈ | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | | 0 - 150 | 0 - 6 | 100 | 0.01 | .0005 | 0.03 | 137141 660 | 432.00 |
| ▪ | | 0 - 200 | 0 - 8 | 100 | 0.01 | .0005 | 0.03 | 137141 860 | 459.00 |
| ▪ | | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.04 | 137142 260 | 516.00 |
| ▪ | | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.05 | 137142 860 | 585.00 |



1998780

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| i-Stick USB-receiver for Integrated Wireless | 1998 780 | 97.00 |

**Integrated Wireless is intended to be sold in the EU only**



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1371 DIGI-MET® Depth gauges IP67




1371 416

### Model

- Stainless steel
- Inductive measuring system, protection class IP67
- DIN 862
- Locking screw
- LCD display 11 mm
- Measuring pin dia. 1.5 mm

### Functions

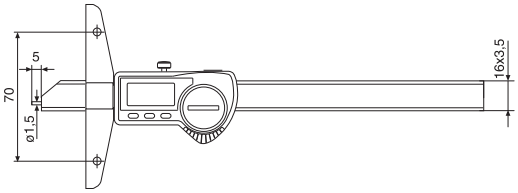
- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching

### Delivery

- Plastic case

Product video

| | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | 0 - 150 | 0 - 6 | 100 | 0.01 | .0005 | 0.03 | 1371 416 | 372.00 |
| ▪ | 0 - 200 | 0 - 8 | 100 | 0.01 | .0005 | 0.03 | 1371 418 | 409.00 |
| ▪ | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.04 | 1371 422 | 456.00 |
| ▪ | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.05 | 1371 428 | 525.00 |

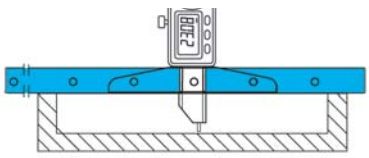



| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |

## 1271 Extension depth attachment base



1271 451

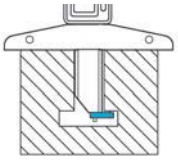


| | Depth attachment base length mm | Order no. | List price EUR |
|---|---|---|---|
| | 200 | 1271 451 | 85.00 |
| | 300 | 1271 452 | 99.00 |

## 1271 Measuring insert for distance measurements

### Model

- to be attached to the measuring pin



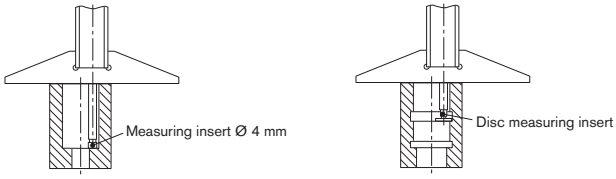
| | | Order no. | List price EUR |
|---|---|---|---|
| | | 1271 455 | 57.00 |

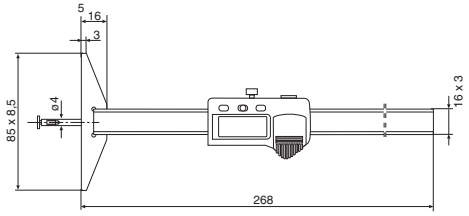
= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

# 1376 DIGI-MET® Depth gauge




**Example of use**




**Model**

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- Locking screw
- Factory standard

**Functions**

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Reversal of counting direction
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

**Delivery**

- Wooden case

| ⋈ | | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | inch | mm | | EUR |
| | | 0 - 100 | 0 - 4 | 85 | 0.01 | .0005 | 0.02 | 1376 514 | 496.00 |



1998720 1997501 1998501

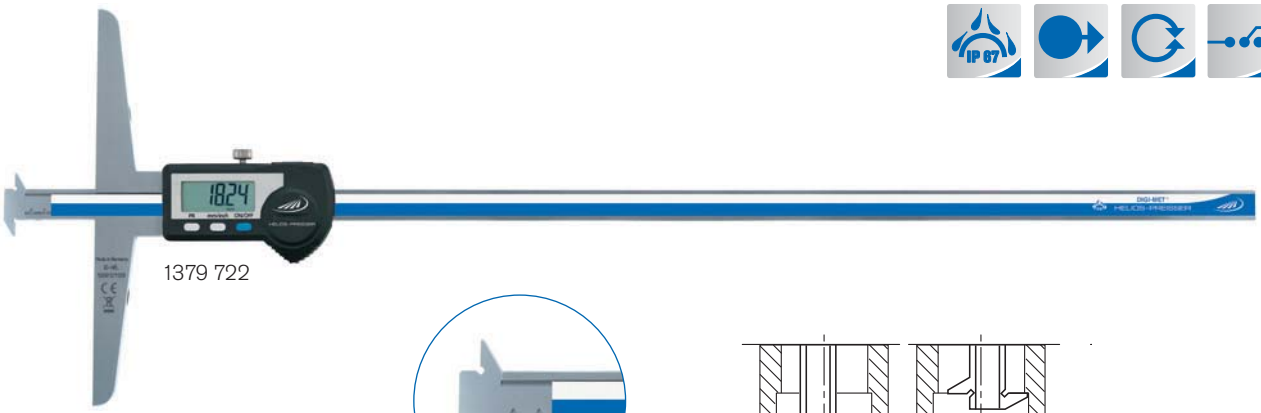
| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Disc type measuring insert | 1276 591 | 18.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



Marked ▪ = excess length/excess weight

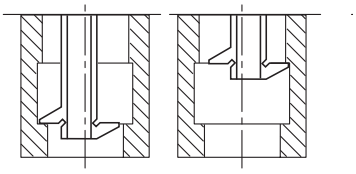
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1379 DIGI-MET® Depth gauges with interchangeable inserts




1379 722





### Model

- Interchangeable inserts for solving different measuring tasks
- Measuring base can be attached (optional, see accessories)
- Stainless steel
- Inductive measuring system, protection class IP67
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Set to zero at any point
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case
- With inserts for width and distance measurements, Order no. 1279 780

- More inserts and measuring base optional

| | Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | mm | inch | mm | mm | inch | mm | | EUR |
| ▪ | 0 - 300 | 0 - 12 | 150 | 0.01 | .0005 | 0.03 | 1379 722 | 636.00 |
| ▪ | 0 - 500 | 0 - 20 | 150 | 0.01 | .0005 | 0.03 | 1379 728 | 877.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



## 1279 Interchangeable inserts made of stainless steel, hardened


1279 780*

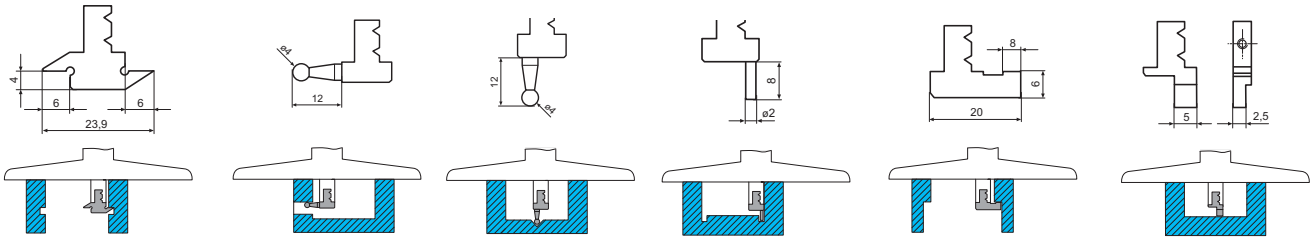

1279 781


1279 782


1279 783


1279 784


1279 785




| ⋈ | ⅋ | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Insert for width and distance measurements* | 1279 780 | 109.00 |
| | | Insert with ball, angled | 1279 781 | 109.00 |
| | | Insert with ball, straight | 1279 782 | 109.00 |
| | | Insert with measuring pin | 1279 783 | 109.00 |
| | | Insert with hook | 1279 784 | 109.00 |
| | | Insert with straight measuring rod | 1279 785 | 109.00 |

* Standard insert included in the delivery of the basic instrument

## 0279 Sliding measuring base made of stainless steel



| ⋈ | ⅋ | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | 300 x 16 mm | 0279 722 | 261.00 |
| | | 400 x 16 mm | 0279 723 | 273.00 |



⅋ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1375 DIGI-MET® Small depth gauge






### Model

- Stainless steel
- Protection class IP67
- LCD display 7.5 mm
- Factory standard
- Measuring pin

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- PRESET-Function (setting a numerical value)
- mm / inch switching
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Wooden case

| Measuring range | | Base length | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | mm | inch | mm | | EUR |
| 0 - 25 | 0 - 1 | 48 | 0.01 | .0005 | 0.02 | 1375 502 | 239.00 |



1998720 1997501 1998501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

# 1378 DIGI-MET® Depth gauges for one-handed operation




### Model

- Stainless steel
- Inductive measuring system, protection class IP67
- Locking screw
- Factory standard
- Constant measuring force through spring pressure
- Measuring pin with thread M 2.5 for exchangeable measuring inserts for core hole bores, also compatible with dial gauges inserts (see No. 0710) for depth measurement
- Measuring inserts for core hole bores (for additional costs) see table

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Ball measuring insert for depth measurement

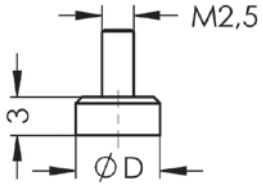
| ⋈ | | Measuring range | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | | EUR |
| | | 0 - 60 | 0 - 2.4 | 0.01 | .0005 | 0.02 | 1378 505 | 756.00 |
| | | 0 - 100 | 0 - 4 | 0.01 | .0005 | 0.02 | 1378 508 | 814.00 |



Marked ▪ = excess length/excess weight

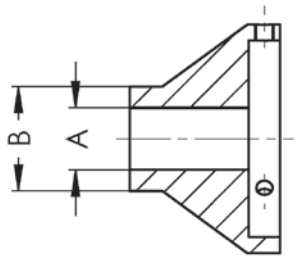
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1278 Measuring inserts




| Thread size mm | Core diameter mm | Insert diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| M 16 x 1.5 | 14.38 | 14.32 | 1278 923 | 27.00 |
| M 16 x 1 | 14.92 | 14.87 | 1278 924 | 27.00 |
| M 12 x 1.25 | 10.65 | 10.59 | 1278 936 | 27.00 |
| M 12 x 1 | 10.92 | 10.87 | 1278 938 | 27.00 |
| M 10 x 1 | 8.92 | 8.87 | 1278 940 | 27.00 |
| M 10 x 0.75 | 9.19 | 9.13 | 1278 942 | 27.00 |
| M 8 x 1 | 6.92 | 6.87 | 1278 944 | 27.00 |
| M 8 x 0.75 | 7.19 | 7.14 | 1278 946 | 27.00 |
| M 6 x 0.75 | 5.19 | 5.14 | 1278 948 | 27.00 |
| M 5 x 0.5 | 4.46 | 4.41 | 1278 950 | 27.00 |
| M 16 | 13.84 | 13.79 | 1278 952 | 27.00 |
| M 12 | 10.11 | 10.05 | 1278 954 | 27.00 |
| M 10 | 8.38 | 8.32 | 1278 956 | 27.00 |
| M 8 | 6.65 | 6.59 | 1278 958 | 27.00 |
| M 6 | 4.92 | 4.87 | 1278 960 | 27.00 |
| M 5 | 4.13 | 4.08 | 1278 962 | 27.00 |
| 16 pieces - set | | | 1278 930 | 396.00 |

## 1278 Reduction piece




| A mm | B mm | Order no. | List price EUR |
|---|---|---|---|
| 6 | 12.00 | 1278 912 | 109.00 |
| 9.5 | 16.00 | 1278 916 | 109.00 |
| 15 | 20.00 | 1278 920 | 109.00 |

# 0273 DIGI-MET® Mounting scales

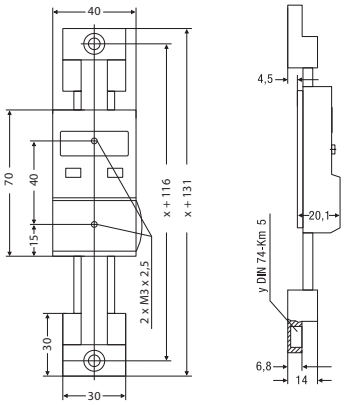
OPTO



0273 752

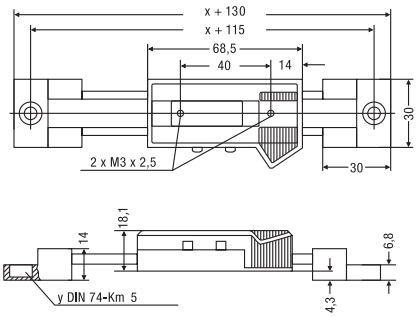


0273 732










## Model

- Beam made of stainless steel
- Slide and fixture are made of anodized aluminium
- Larger measuring ranges are available upon request

## Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Hold
- PRESET-Function (setting a numerical value)

## Delivery

- Cardboard box

| ⋈ | | Measuring range | | Reading | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | inch | mm | | EUR |
| **Horizontal** | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 0.01 | .0005 | 0.03 | 0273 731 | 197.00 |
| | | 0 - 200 | 0 - 8 | 0.01 | .0005 | 0.03 | 0273 732 | 203.00 |
| | | 0 - 300 | 0 - 12 | 0.01 | .0005 | 0.03 | 0273 735 | 220.00 |
| | | 0 - 450 | 0 - 18 | 0.01 | .0005 | 0.03 | 0273 738 | 233.00 |
| | | 0 - 600 | 0 - 24 | 0.01 | .0005 | 0.03 | 0273 741 | 283.00 |
| | | 0 - 800 | 0 - 31 | 0.01 | .0005 | 0.04 | 0273 745 | 495.00 |
| | | 0 - 1000 | 0 - 39 | 0.01 | .0005 | 0.04 | 0273 746 | 539.00 |
| **Vertical** | | | | | | | | |
| | | 0 - 150 | 0 - 6 | 0.01 | .0005 | 0.03 | 0273 751 | 353.00 |
| | | 0 - 200 | 0 - 8 | 0.01 | .0005 | 0.03 | 0273 752 | 358.00 |
| | | 0 - 300 | 0 - 12 | 0.01 | .0005 | 0.03 | 0273 755 | 380.00 |
| | | 0 - 450 | 0 - 18 | 0.01 | .0005 | 0.03 | 0273 758 | 400.00 |
| | | 0 - 600 | 0 - 24 | 0.01 | .0005 | 0.03 | 0273 761 | 430.00 |
| | | 0 - 800 | 0 - 31 | 0.01 | .0005 | 0.04 | 0273 765 | 604.00 |
| | | 0 - 1000 | 0 - 39 | 0.01 | .0005 | 0.04 | 0273 766 | 649.00 |



| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0003 Wooden case for calipers

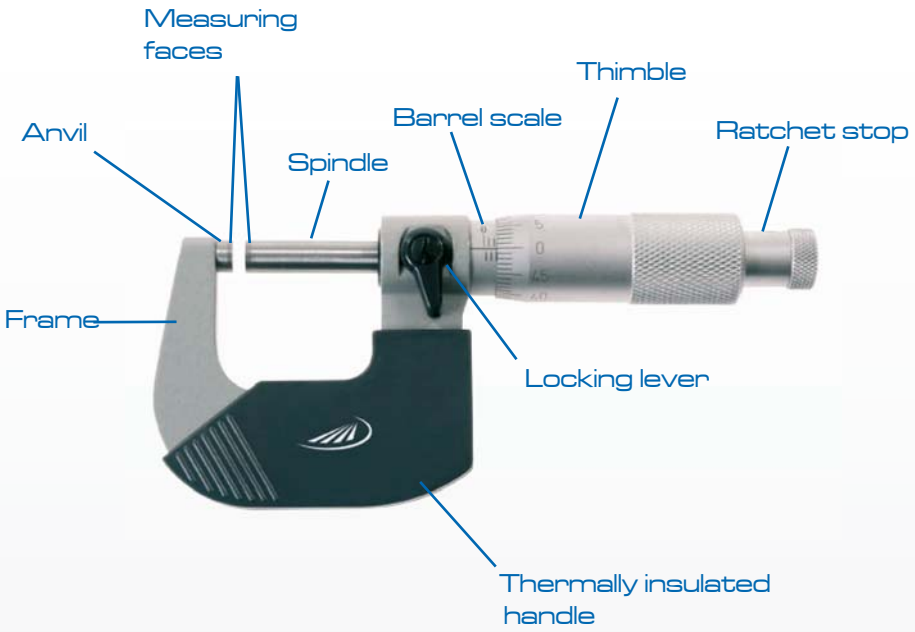


| | | Measuring range mm | Jaw length (knife points) mm | Jaw length (w.o. knife points) mm | Internal dimensions L x W x H mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 160 | 40 | 40 | 250 x 90 x 20 | 0003 219 | 7.40 |
| | | 200 | 80 | 80 | 315 x 145 x 20 | 0003 220 | 8.80 |
| | | 250 | 80 | 80 | 370 x 145 x 20 | 0003 221 | 11.10 |
| | | 300 | 90 | 90 | 435 x 175 x 20 | 0003 222 | 15.40 |
| | | 300 | | 150 | 435 x 205 x 20 | 0003 223 | 17.20 |
| | | 400 | | 125 | 610 x 180 x 20 | 0003 224 | 25.90 |
| | | 400 | 125 | 150 | 590 x 220 x 20 | 0003 225 | 33.70 |
| | | 400 | 150 | 200 | 590 x 250 x 20 | 0003 226 | 40.20 |
| | | 400 | 200 | | 590 x 300 x 20 | 0003 227 | 36.80 |
| | | 500 | | 150 | 690 x 200 x 20 | 0003 228 | 44.80 |
| | | 500 | 150 | 200 | 690 x 250 x 25 | 0003 229 | 46.00 |
| | | 500 | 200 | 250 | 700 x 315 x 25 | 0003 230 | 47.20 |
| | | 500 | 250 | | 700 x 350 x 21 | 0003 231 | 48.20 |
| | | 600 | | 150 | 790 x 200 x 25 | 0003 232 | 48.20 |
| | | 600 | 150 | 200 | 790 x 250 x 25 | 0003 233 | 58.00 |
| | | 600 | 200 | | 790 x 315 x 21 | 0003 234 | 64.00 |
| | | 600 | | 300 | 810 x 400 x 25 | 0003 235 | 70.00 |
| | | 800 | | 150 | 1000 x 220 x 25 | 0003 236 | 59.00 |
| | | 800 | 150 | 200 | 1000 x 270 x 25 | 0003 237 | 63.00 |
| | | 800 | 200 | | 1000 x 320 x 21 | 0003 238 | 64.00 |
| | | 800 | | 300 | 1000 x 380 x 25 | 0003 239 | 72.00 |
| | | 800 | 300 | | 1000 x 420 x 21 | 0003 240 | 83.00 |
| | | 800 | | 400 | 1100 x 480 x 25 | 0003 241 | 83.00 |
| | | 1000 | | 150 | 1200 x 220 x 25 | 0003 242 | 79.00 |
| | | 1000 | 150 | 200 | 1250 x 270 x 25 | 0003 243 | 84.00 |
| | | 1000 | 200 | | 1200 x 320 x 21 | 0003 244 | 95.00 |
| | | 1000 | | 300 | 1200 x 380 x 25 | 0003 245 | 105.00 |
| | | 1000 | 300 | | 1230 x 420 x 21 | 0003 246 | 113.00 |
| | | 1000 | | 500 | 1300 x 600 x 25 | 0003 247 | 130.00 |
| | ▪ | 1250 | | 200 | 1520 x 310 x 25 | 0003 248 | 110.00 |
| | ▪ | 1250 | 200 | 300 | 1520 x 380 x 25 | 0003 249 | 110.00 |
| | ▪ | 1250 | 300 | | 1520 x 440 x 25 | 0003 250 | 140.00 |
| | ▪ | 1500 | | 200 | 1800 x 310 x 25 | 0003 251 | 146.00 |
| | ▪ | 1500 | 200 | 300 | 1800 x 380 x 25 | 0003 252 | 158.00 |
| | ▪ | 1500 | 300 | | 1800 x 440 x 25 | 0003 253 | 188.00 |
| | ▪ | 2000 | | 200 | 2300 x 310 x 25 | 0003 254 | 245.00 |
| | ▪ | 2000 | 200 | 300 | 2300 x 380 x 25 | 0003 255 | 289.00 |
| | ▪ | 2000 | 300 | | 2300 x 460 x 25 | 0003 256 | 273.00 |
| | ▪ | 3000 | | 200 | 3310 x 310 x 25 | 0003 257 | 294.00 |
| | ▪ | 3000 | 200 | 300 | 3310 x 400 x 25 | 0003 258 | 305.00 |
| | ▪ | 3000 | 300 | | 3310 x 460 x 25 | 0003 259 | 353.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

HELIOS · PREISSER

# SAMPLES **MICROMETERS**




NEW




## **Micrometer highlights** from our assortment



INTERNAL
**MICROMETERS**



SPECIAL
**MICROMETERS**



HOLDER &
**SETTING STANDARDS**

# 2. CHAPTER MICROMETERS


| | |
|---|---|
| 86 | External micrometers |
| 93 | Digital external micrometers |
| 98 | Precision dial micrometers |
| 99 | External micrometers with special measuring faces |
| 101 | Setting standards for micrometers |
| 102 | External micrometers for thread flank measurement |
| 105 | External micrometers for gear tooth measurements |
| 106 | Wire micrometer |
| 107 | Internal micrometers |
| 111 | Digital 2 point internal micrometers |
| 114 | Digital internal micrometers / with measuring pistol |
| 118 | Measuring heads and extensions |
| 119 | Depth micrometers |

## 0800 External micrometers




0800 501

DIN 863-1

### Model

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated

### Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

| ⋈ | ⁄ | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 25 | 0.5 | 6.5 | 17 | 0.004 | 0800 501 | 18.10 |
| | | 25 - 50 | 0.5 | 6.5 | 17 | 0.004 | 0800 502 | 22.00 |
| | | 50 - 75 | 0.5 | 6.5 | 17 | 0.005 | 0800 503 | 25.20 |
| | | 75 - 100 | 0.5 | 6.5 | 17 | 0.005 | 0800 504 | 29.80 |

## 0800 Set of external micrometers



DIN 863-1

### Delivery

- Includes 4 external micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

| ⋈ | ⁄ | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 100 | 0.5 | 6.5 | 17 | 0800 513 | 106.00 |

## 0807 Holder for external micrometers



### Model

- With heavy cast iron base
- Vertically rotating and lockable

### Delivery

- Cardboard box

| ⋈ | ⁄ | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 0 - 300 | 0807 101 | 54.00 |



⁄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0806 External micrometers with friction clutch

DIN 863-1




0806 501

**Model**

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- With friction clutch (ratchet)
- Fixed quick drive
- Carbide measuring faces
- Thermally insulated

**Delivery**

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting gauge



| Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 25 | 0.5 | 6.5 | 18 | 0.004 | 0806 501 | 32.70 |
| 25 - 50 | 0.5 | 6.5 | 18 | 0.004 | 0806 502 | 35.80 |
| 50 - 75 | 0.5 | 6.5 | 18 | 0.005 | 0806 503 | 39.00 |
| 75 - 100 | 0.5 | 6.5 | 18 | 0.005 | 0806 504 | 42.10 |

## 0806 Set of external micrometers with friction clutch

DIN 863-1



0806 513

**Delivery**

- Includes 4 external micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

| Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 100 | 0.5 | 6.5 | 18 | 0.005 | 0806 513 | 154.00 |

## 0806 External micrometers

DIN 863-1



### Model

- DIN 863-1
- Reading 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Coated steel frame

### Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 25 | 0.5 | 6.5 | 17.5 | 0.004 | 0806 521 | 44.80 |
| | | 25 - 50 | 0.5 | 6.5 | 17.5 | 0.004 | 0806 522 | 71.00 |
| | | 50 - 75 | 0.5 | 6.5 | 17.5 | 0.005 | 0806 523 | 87.00 |
| | | 75 - 100 | 0.5 | 6.5 | 17.5 | 0.005 | 0806 524 | 101.00 |
| | | 100 - 125 | 0.5 | 6.5 | 17.5 | 0.006 | 0806 525 | 137.00 |
| | | 125 - 150 | 0.5 | 6.5 | 17.5 | 0.006 | 0806 526 | 154.00 |
| | | 150 - 175 | 0.5 | 6.5 | 17.5 | 0.007 | 0806 527 | 171.00 |
| | | 175 - 200 | 0.5 | 6.5 | 17.5 | 0.007 | 0806 528 | 188.00 |

## 0806 Set of external micrometers

DIN 863-1



### Delivery

- Includes 4 external micrometers
- Incl. setting gauges 25 + 75 mm or 125 + 175 mm
- Wooden case

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 100 | 0.5 | 6.5 | 17.5 | 0806 540 | 264.00 |
| | | 100 - 200 | 0.5 | 6.5 | 17.5 | 0806 542 | 581.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0810 External micrometers

DIN 863-1




0810 504

**Model**

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Spheroid ductile iron frame, lacquered
- Ratchet stop
- Carbide measuring faces
- Thermally insulated

**Delivery**

- Wooden case

| Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 25 | 1 | 8 | 30 | 0.004 | 0810 501 | 248.00 |
| 25 - 50 | 1 | 8 | 30 | 0.004 | 0810 502 | 262.00 |
| 50 - 75 | 1 | 8 | 30 | 0.005 | 0810 503 | 275.00 |
| 75 - 100 | 1 | 8 | 30 | 0.005 | 0810 504 | 292.00 |

## 0815 External micrometers with deep frame

DIN 863-1



0815 530

**Model**

- DIN 863-1
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Steel bracket lacquered
- Ratchet stop
- Carbide measuring faces

**Delivery**

- Wooden case

| Measuring range mm | Frame depth mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| 0 - 25 | 100 | 1 | 8 | 24 | 0.004 | 0815 510 | 261.00 |
| 0 - 25 | 150 | 1 | 6.5 | 24 | 0.004 | 0815 514 | 275.00 |
| 0 - 25 | 250 | 1 | 6.5 | 24 | 0.004 | 0815 518 | 344.00 |
| 0 - 50 | 50 | 1 | 8 | 24 | 0.004 | 0815 530 | 296.00 |
| 0 - 50 | 100 | 1 | 8 | 24 | 0.004 | 0815 534 | 437.00 |
| 50 - 100 | 100 | 1 | 8 | 24 | 0.005 | 0815 540 | 483.00 |

## 0816 External micrometers large spindle distance 50 mm

DIN 863-1



### Model

- DIN 863-1
- Direct reading 0.01 mm, without addition because of thread pitch 1 mm
- Reading parts are satin chrome finished
- Locking ring
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- With 50 mm spindle movement and a wide measuring range
- Spheroid ductile iron frame. lacquered or coated light alloy frame

### Delivery

- Wooden case

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 50 | 1 | 8 | 24 | 0.004 | 0816 501 | 312.00 |
| | | 50 - 100 | 1 | 8 | 24 | 0.005 | 0816 502 | 352.00 |
| | | 100 - 150 | 1 | 8 | 24 | 0.006 | 0816 503 | 406.00 |
| | | 150 - 200 | 1 | 8 | 24 | 0.007 | 0816 504 | 464.00 |
| | | 200 - 250 | 1 | 8 | 24 | 0.008 | 0816 505 | 528.00 |
| | | 250 - 300 | 1 | 8 | 24 | 0.009 | 0816 506 | 596.00 |
| | | 300 - 350 | 1 | 10 | 24 | 0.01 | 0816 507 | 842.00 |
| | | 350 - 400 | 1 | 10 | 24 | 0.011 | 0816 508 | 889.00 |
| | | 400 - 450 | 1 | 10 | 24 | 0.012 | 0816 509 | 944.00 |
| | | 450 - 500 | 1 | 10 | 24 | 0.013 | 0816 510 | 1013.00 |
| | | 500 - 550 | 1 | 10 | 24 | 0.015 | 0816 511 | 1093.00 |
| | | 550 - 600 | 1 | 10 | 24 | 0.017 | 0816 512 | 1170.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0817 External micrometers with wide range of applications 100 mm



DIN 863-3



**Model**

- DIN 863-3
- Direct reading 0.01 mm, without addition because of thread pitch 1 mm
- Reading parts are satin chrome finished
- Spindle adjustment 50 mm
- Reversible anvil (screwed) for measuring range extension
- Locking ring
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Robust coated light alloy frame

**Delivery**

- Wooden case

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 200 - 300 | 1 | 10 | 24 | 0.006 | 0817 512 | 1005.00 |
| | | 300 - 400 | 1 | 10 | 24 | 0.007 | 0817 514 | 1045.00 |
| | | 400 - 500 | 1 | 10 | 24 | 0.008 | 0817 516 | 1170.00 |
| | | 500 - 600 | 1 | 10 | 24 | 0.009 | 0817 518 | 1327.00 |
| | | 600 - 700 | 1 | 10 | 24 | 0.009 | 0817 520 | 1485.00 |
| | ▪ | 700 - 800 | 1 | 10 | 24 | 0.009 | 0817 522 | 1647.00 |
| | ▪ | 800 - 900 | 1 | 10 | 24 | 0.01 | 0817 524 | 1813.00 |
| | ▪ | 900 - 1000 | 1 | 10 | 24 | 0.01 | 0817 526 | 2006.00 |
| | ▪ | 1000 - 1100 | 1 | 10 | 24 | 0.011 | 0817 528 | 2209.00 |
| | ▪ | 1100 - 1200 | 1 | 10 | 24 | 0.011 | 0817 530 | 2417.00 |
| | ▪ | 1200 - 1300 | 1 | 10 | 24 | 0.012 | 0817 532 | 2645.00 |
| | ▪ | 1300 - 1400 | 1 | 10 | 24 | 0.012 | 0817 534 | 2931.00 |
| | ▪ | 1400 - 1500 | 1 | 10 | 24 | 0.013 | 0817 536 | 3128.00 |
| | ▪ | 1500 - 1600 | 1 | 10 | 24 | 0.018 | 0817 538 | 4898.00 |
| | ▪ | 1600 - 1700 | 1 | 10 | 24 | 0.019 | 0817 540 | 5198.00 |
| | ▪ | 1700 - 1800 | 1 | 10 | 24 | 0.02 | 0817 542 | 5593.00 |
| | ▪ | 1800 - 1900 | 1 | 10 | 24 | 0.021 | 0817 544 | 5925.00 |
| | ▪ | 1900 - 2000 | 1 | 10 | 24 | 0.022 | 0817 546 | 6295.00 |

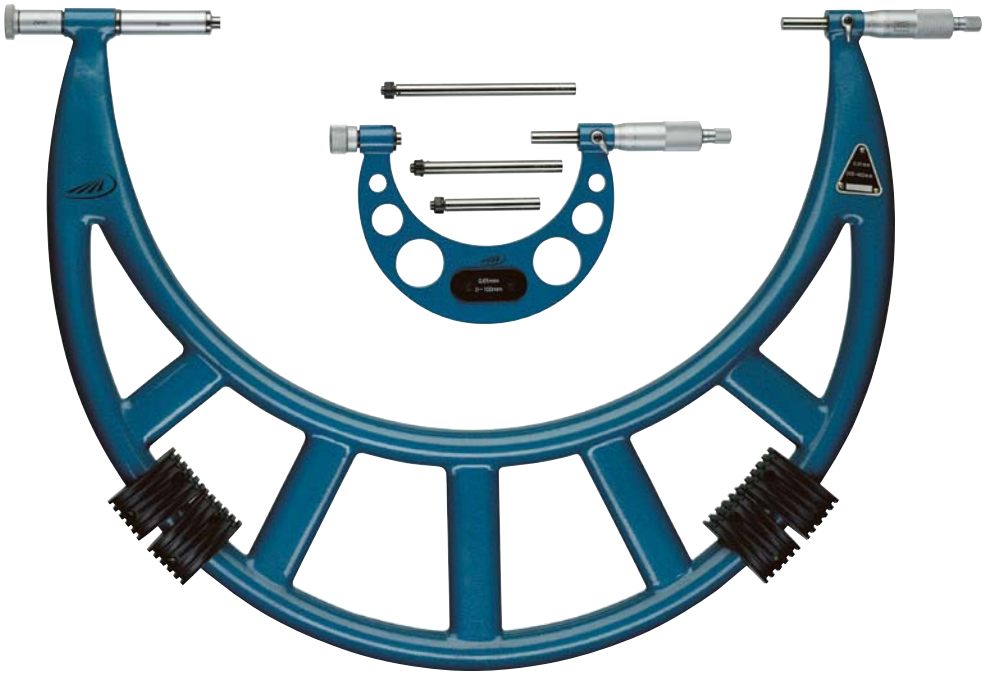
## 0817 Replacement reversible anvil

**Model**

- Exchangeable for all measuring ranges

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 50 | 0817 910 | 157.00 |

## 0819 External micrometers with interchangeable inserts



### Model

- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Coated malleable cast iron frame* or coated light alloy frame with interch-angeable anvil

### Delivery

- Wooden case
- Includes setting standards

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 100 | 0.5 | 8 | 20 | 0819 501 | 177.00 |
| | | 0 - 150 | 0.5 | 8 | 20 | 0819 502 | 197.00 |
| | | 100 - 200 | 0.5 | 8 | 20 | 0819 503 | 218.00 |
| | | 150 - 300 | 0.5 | 8 | 20 | 0819 505 | 249.00 |
| | | 200 - 300 | 0.5 | 8 | 20 | 0819 510 | 239.00 |
| | | 300 - 400 | 0.5 | 8 | 24 | 0819 511 | 301.00 |
| | | 400 - 500 | 0.5 | 8 | 24 | 0819 512 | 343.00 |
| | | 500 - 600 | 0.5 | 8 | 24 | 0819 513 | 395.00 |
| | | 600 - 700 | 0.5 | 8 | 24 | 0819 514 | 488.00 |
| | ▪ | 700 - 800 | 0.5 | 8 | 24 | 0819 515 | 561.00 |
| | ▪ | 800 - 900 | 0.5 | 8 | 24 | 0819 516 | 644.00 |
| | ▪ | 900 - 1000 | 0.5 | 8 | 24 | 0819 517 | 727.00 |
| | ▪ | 1000 - 1200 | 1 | 8 | 30 | 0819 519 | 1351.00 |
| | ▪ | 1200 - 1400 | 1 | 8 | 30 | 0819 521 | 1455.00 |
| | ▪ | 1400 - 1600 | 1 | 8 | 30 | 0819 523 | 1714.00 |
| | ▪ | 1600 - 1800 | 1 | 8 | 30 | 0819 525 | 1969.00 |
| | ▪ | 1800 - 2000 | 1 | 8 | 30 | 0819 527 | 2265.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0912 Digital micrometers






### Model

- Protection class IP54
- Reading: 0.0001 mm / .00005 inch
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Factory standard

### Functions

- ON / OFF
- mm / inch switching
- Set to zero at any point

### Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

| Measuring range | | Pitch | Spindle dia. | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|
| mm | inch | mm | mm | mm | | EUR |
| 0 - 25 | 0 - 1 | 0.5 | 6.5 | 0.006 | 0912 501 | 78.00 |
| 25 - 50 | 1 - 2 | 0.5 | 6.5 | 0.006 | 0912 502 | 88.00 |
| 50 - 75 | 2 - 3 | 0.5 | 6.5 | 0.007 | 0912 503 | 101.00 |
| 75 - 100 | 3 - 4 | 0.5 | 6.5 | 0.007 | 0912 504 | 115.00 |
| 100 - 125 | 4 - 5 | 0.5 | 6.5 | 0.008 | 0912 505 | 127.00 |
| 125 - 150 | 5 - 6 | 0.5 | 6.5 | 0.008 | 0912 506 | 139.00 |
| 150 - 175 | 6 - 7 | 0.5 | 6.5 | 0.009 | 0912 507 | 150.00 |
| 175 - 200 | 7 - 8 | 0.5 | 6.5 | 0.009 | 0912 508 | 161.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery 1.5V, type 357 | 0220 204 | 3.20 |

## 0912 Set of digital micrometers



### Delivery

- Includes 4 micrometers
- Incl. setting gauges 25/50/75 mm
- Wooden case

| Measuring range | Pitch | Spindle dia. | Order no. | List price |
|---|---|---|---|---|
| mm | mm | mm | | EUR |
| 0 - 100 | 0.5 | 6.5 | 0912 521 | 417.00 |

## 1866 Digital micrometers IP65




1866 410

NEW

### Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP65
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless. hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- Hold
- ORIGIN (Preset value)
- TOL (tolerance value input)

### Delivery

- Plastic case
- from measuring range 25 mm upwards includes a setting standard

| ⋈ | | Measuring range | | Pitch | Spindle dia. | Thimble dia. | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | mm | mm | | EUR |
| | | 0 - 25 | 0 - 1 | 0.5 | 6.5 | 21 | 0.002 | 1866 410 | 199.00 |
| | | 25 - 50 | 1 - 2 | 0.5 | 6.5 | 21 | 0.002 | 1866 413 | 259.00 |
| | | 50 - 75 | 2 - 3 | 0.5 | 6.5 | 21 | 0.003 | 1866 417 | 329.00 |
| | | 75 - 100 | 3 - 4 | 0.5 | 6.5 | 21 | 0.003 | 1866 420 | 375.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1866i Digital micrometers IP65 with integrated wireless

**NOVELTY**
Data transmission without cable or radio module

integrated IW wireless






186641 060

### Model

- Reading: 0.001 mm / .00005 inch
- Protection class IP65
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless. hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- Hold
- ORIGIN (Preset value)
- TOL (tolerance value input)
- Integrated Wireless

### Delivery

- Plastic case
- From measuring range 25 mm upwards includes a setting standard

| Measuring range | | Pitch | Spindle dia. | Thimble dia. | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| mm | inch | mm | mm | mm | mm | | EUR |
| 0 - 25 | 0 - 1 | 0.5 | 6.5 | 21 | 0.002 | 186641 060 | 259.00 |
| 25 - 50 | 1 - 2 | 0.5 | 6.5 | 21 | 0.002 | 186641 360 | 319.00 |
| 50 - 75 | 2 - 3 | 0.5 | 6.5 | 21 | 0.003 | 186641 760 | 389.00 |
| 75 - 100 | 3 - 4 | 0.5 | 6.5 | 21 | 0.003 | 186642 060 | 435.00 |



1998780

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| i-Stick USB-receiver for Integrated Wireless | 1998 780 | 97.00 |

**Integrated Wireless is intended to be sold in the EU only**

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

NEW

## 1866i Set of digital micrometers with integrated wireless



**Delivery**

- Plastic case
- from measuring range 25 mm upwards includes a setting standard

| | | Measuring range | | Pitch | Spindle dia. | Order no. | List price |
|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | | EUR |
| | | 0 - 100 | 0 - 4 | 0.5 | 6.5 | 186642 160 | 1390.00 |

## 1866 Digital micrometer BASIC




**Model**

- Reading: 0.001 mm / .00005 inch
- Protection class IP40
- LCD display: 10 mm
- Rapid drive
- Carbide measuring faces
- Spindle stainless. hardened and smoothed
- Frame lacquered
- Thermally insulated
- Factory standard

**Functions**

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- Hold

**Delivery**

- Plastic case

| | | Measuring range | | Pitch | Spindle dia. | Thimble dia. | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | inch | mm | mm | mm | mm | | EUR |
| | | 0 - 25 | 0 - 1 | 0.5 | 6.5 | 21 | 0.002 | 1866 210 | 169.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0932 DIGI-MET® External micrometers

OPTO




0932 701




0932 731



### Model

- Factory standard
- Selectable resolution 0.01 mm / 0.001 mm; 0.0005 inch / 0.00005 inch
- LCD display 6 mm
- Positive counting direction
- Non-rotating spindle
- Linear measuring system
- Locking lever*
- Carbide measuring faces dia. 8 mm
- Thermally insulated
- Ratchet stop

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- MIN / MAX
- TOL (tolerance value input)
- Hold
- PRESET-Function (setting a numerical value)
- Data output Opto RS 232

### Delivery

- Wooden case

| Measuring range mm | Measuring range inch | Pitch mm | Spindle dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 0 - 25 | 0 - 1 | 1 | 8 | 0932 701 | 473.00 |
| 25 - 50 | 1 - 2 | 1 | 8 | 0932 702 | 551.00 |
| 50 - 75 | 2 - 3 | 1 | 8 | 0932 703 | 623.00 |
| 75 - 100 | 3 - 4 | 1 | 8 | 0932 704 | 675.00 |
| 100 - 125 | 4 - 5 | 1 | 8 | 0932 705 | 727.00 |
| 125 - 150 | 5 - 6 | 1 | 8 | 0932 706 | 779.00 |
| 150 - 175 | 6 - 7 | 1 | 8 | 0932 707 | 831.00 |
| 175 - 200 | 7 - 8 | 1 | 8 | 0932 708 | 935.00 |
| With lifter - retraction stroke 1.5 mm (without locking lever*) | | | | | |
| 0 - 25 | 0 - 1 | 1 | 8 | 0932 731 | 603.00 |
| 25 - 50 | 1 - 2 | 1 | 8 | 0932 732 | 623.00 |
| 50 - 75 | 2 - 3 | 1 | 8 | 0932 733 | 675.00 |
| 75 - 100 | 3 - 4 | 1 | 8 | 0932 734 | 727.00 |



0996701

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0849 Precision dial micrometers



0849 501

DIN 863-3

### Model

- DIN 863-3
- Reading: 0.01 mm
- Reading on the dial: 1 µm
- Reading parts are satin chrome finished
- Retraction stroke 1.5 mm
- Spindle made of hardened stainless steel
- Constant measuring force
- Locking lever
- Carbide measuring faces
- Thermally insulated

### Delivery

- Wooden case

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 25 | 0.5 | 7.5 | 17.5 | 0849 501 | 707.00 |
| | | 25 - 50 | 0.5 | 7.5 | 17.5 | 0849 502 | 841.00 |

## 0850 Precision dial micrometers




0850 511

DIN 863-3

### Model

- DIN 863-3
- Reading: 0.01 mm
- Reading on the dial: 1 µm
- Reading parts are satin Chrome finished
- Retraction stroke 1.2 mm
- Locking lever
- Carbide measuring faces
- Constant measuring force
- Thermally insulated
- Spindle made of hardened Stainless steel
- Adjustable tolerance markers

### Delivery

- Wooden case
- incl. dial comperator gauge

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 25 | 0.5 | 7.5 | 17.5 | 0850 511 | 559.00 |
| | | 25 - 50 | 0.5 | 7.5 | 17.5 | 0850 512 | 620.00 |
| | | 50 - 100 | 0.5 | 7.5 | 17.5 | 0850 514 | 659.00 |
| | | 100 - 150 | 0.5 | 7.5 | 17.5 | 0850 516 | 704.00 |
| | | 150 - 200 | 0.5 | 7.5 | 17.5 | 0850 518 | 737.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0822 Disc micrometers




**Model**

- Factory standard
- Reading: 0.01 mm
- Carbide measuring faces
- Ratchet stop
- Disc dia. 60 mm
- Malleable cast iron frame, lacquered

**Delivery**

- Wooden case

| Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Frame depth 50 mm** | | | | | |
| 0 - 15 | 1 | 6.5 | 20 | 0822 301 | 91.00 |
| 0 - 25 | 1 | 6.5 | 20 | 0822 302 | 138.00 |
| 0 - 50 | 1 | 6.5 | 20 | 0822 303 | 254.00 |
| **Frame depth 100 mm** | | | | | |
| 0 - 50 | 1 | 6.5 | 20 | 0822 304 | 416.00 |

## 0824 Micrometers for tube wall measurement



DIN 863-3

**Model**

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Ratchet stop
- Hardened measuring faces
- Malleable cast iron frame. lacquered

**Delivery**

- Cardboard box

| Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Ball dia. 2.5 mm** | | | | | | |
| 0 - 15 | 0.5 | 6.5 | 20 | 0.001 | 0824 302 | 174.00 |
| **Ball dia. 6.5 mm** | | | | | | |
| 0 - 25 | 0.5 | 6.5 | 20 | 0.001 | 0824 303 | 176.00 |

## 0854 Blade micrometers



DIN 863-3

### Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Ratchet stop
- Thermally insulated
- Hardened spindle and anvil
- Coated steel frame

### Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Measuring faces dia. 0.8 x 7 mm** | | | | | | | | |
| | | 0 - 25 | 0.5 | 8 | 17.5 | 0.004 | 0854 301 | 247.00 |
| | | 25 - 50 | 0.5 | 8 | 17.5 | 0.004 | 0854 302 | 299.00 |
| | | 50 - 75 | 0.5 | 8 | 17.5 | 0.005 | 0854 303 | 321.00 |
| | | 75 - 100 | 0.5 | 8 | 17.5 | 0.005 | 0854 304 | 348.00 |

## 0855 Micrometers with reduced measuring faces



DIN 863-3

### Model

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking lever
- Ratchet stop
- Carbide measuring faces
- Thermally insulated
- Hardened spindle and anvil
- Coated steel frame

### Delivery

- Plastic case
- From measuring range 25 - 50 mm upwards includes a setting standard

| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Measuring faces dia. 3 mm, length 8.5 mm** | | | | | | | | |
| | | 0 - 25 | 0.5 | 6.5 | 17.5 | 0.004 | 0855 301 | 178.00 |
| | | 25 - 50 | 0.5 | 6.5 | 17.5 | 0.004 | 0855 302 | 218.00 |
| | | 50 - 75 | 0.5 | 6.5 | 17.5 | 0.005 | 0855 303 | 247.00 |
| | | 75 - 100 | 0.5 | 6.5 | 17.5 | 0.005 | 0855 304 | 261.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0898 Settings gauges for micrometers




0898 104

**Model**

- Rod
- Special steel, aged
- Hardened measuring faces
- Tolerance zone js2
- Thermally insulated
- Parallel lapped measuring faces



| ⋈ | | Measuring range mm | Measuring faces dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 25 | 6.5 | 0898 101 | 10.90 |
| | | 50 | 6.5 | 0898 102 | 18.30 |
| | | 75 | 6.5 | 0898 103 | 21.70 |
| | | 100 | 6.5 | 0898 104 | 24.80 |
| | | 125 | 6.5 | 0898 105 | 28.70 |
| | | 150 | 6.5 | 0898 106 | 40.60 |
| | | 175 | 6.5 | 0898 107 | 45.40 |
| | | 200 | 6.5 | 0898 108 | 50.00 |
| | | 225 | 6.5 | 0898 109 | 55.00 |
| | | 250 | 6.5 | 0898 110 | 60.00 |
| | | 275 | 6.5 | 0898 111 | 64.00 |
| | | 300 | 10 | 0898 112 | 80.00 |
| | | 325 | 10 | 0898 113 | 86.00 |
| | | 350 | 10 | 0898 114 | 92.00 |
| | | 375 | 10 | 0898 115 | 98.00 |
| | | 400 | 10 | 0898 116 | 105.00 |
| | | 425 | 10 | 0898 117 | 111.00 |
| | | 450 | 10 | 0898 118 | 117.00 |
| | | 475 | 10 | 0898 119 | 123.00 |
| | | 500 | 10 | 0898 120 | 130.00 |
| | | 525 | 10 | 0898 121 | 136.00 |
| | | 550 | 10 | 0898 122 | 143.00 |
| | | 575 | 10 | 0898 123 | 150.00 |
| | | 600 | 10 | 0898 124 | 157.00 |
| | | 625 | 10 | 0898 125 | 164.00 |
| | | 650 | 10 | 0898 126 | 170.00 |

| ⋈ | | Measuring range mm | Measuring faces dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 675 | 10 | 0898 127 | 177.00 |
| | | 700 | 10 | 0898 128 | 184.00 |
| | | 725 | 10 | 0898 129 | 191.00 |
| | | 750 | 10 | 0898 130 | 198.00 |
| | | 775 | 10 | 0898 131 | 205.00 |
| | | 800 | 10 | 0898 132 | 212.00 |
| | | 825 | 10 | 0898 133 | 217.00 |
| | | 850 | 10 | 0898 134 | 224.00 |
| | | 875 | 10 | 0898 135 | 232.00 |
| | | 900 | 10 | 0898 136 | 239.00 |
| | | 925 | 10 | 0898 137 | 245.00 |
| | | 950 | 10 | 0898 138 | 252.00 |
| | | 975 | 10 | 0898 139 | 260.00 |
| | | 1000 | 10 | 0898 140 | 266.00 |
| | ▪ | 1050 | 10 | 0898 142 | 278.00 |
| | ▪ | 1150 | 10 | 0898 146 | 305.00 |
| | ▪ | 1250 | 10 | 0898 150 | 335.00 |
| | ▪ | 1350 | 10 | 0898 154 | 361.00 |
| | ▪ | 1450 | 10 | 0898 158 | 389.00 |
| | ▪ | 1550 | 10 | 0898 162 | 623.00 |
| | ▪ | 1650 | 10 | 0898 166 | 654.00 |
| | ▪ | 1750 | 10 | 0898 170 | 684.00 |
| | ▪ | 1850 | 10 | 0898 174 | 714.00 |
| | ▪ | 1950 | 10 | 0898 178 | 743.00 |

## 0870 Precision micrometers for thread flank measurement

DIN 863-3




### Model

- DIN 863-3
- Reading 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Ratchet stop
- Thermally insulated
- Spheroid ductile iron frame, lacquered

### Delivery

- Wooden case
- **Thread flank inserts and setting standards must be ordered separately**

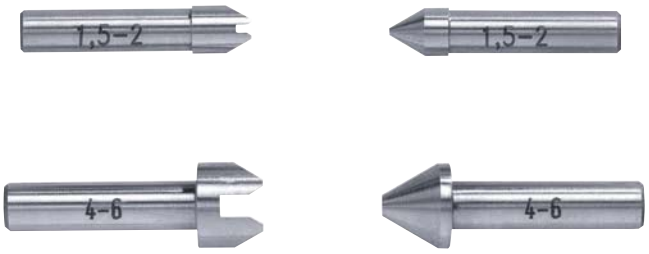
| ⋈ | | Measuring range mm | Pitch mm | Thimble dia. mm | Error limit mm | Spindle adjustment mm | Required length of setting standard mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| For inserts with shank dimensions. dia. 3.5 x 13.5 mm | | | | | | | | | |
| | | 0 - 25 | 0.5 | 20 | 0.004 | 25 | - | 0870 301 | 295.00 |
| | | 25 - 50 | 0.5 | 20 | 0.004 | 25 | 25 | 0870 302 | 308.00 |
| | | 50 - 75 | 0.5 | 20 | 0.005 | 25 | 50 | 0870 303 | 331.00 |
| | | 75 - 100 | 0.5 | 20 | 0.005 | 25 | 75 | 0870 304 | 362.00 |
| | | 100 - 125 | 0.5 | 20 | 0.006 | 25 | 100 | 0870 305 | 396.00 |
| | | 125 - 150 | 0.5 | 20 | 0.006 | 25 | 125 | 0870 306 | 431.00 |
| | | 150 - 200 | 0.5 | 20 | 0.007 | 50 | 175 | 0870 307 | 614.00 |
| | | 200 - 250 | 0.5 | 20 | 0.008 | 50 | 225 | 0870 309 | 671.00 |
| | | 250 - 300 | 0.5 | 20 | 0.009 | 50 | 275 | 0870 311 | 738.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0870 Thread flank inserts for external measurement




**Model**

- Made of hardened special steel and finely grinded
- Every insert is inscribed with the pitch details
- In a set (V-anvil + tapered anvil)
- Shank dimensions: 3.5 x 13.5 mm



| Flank angle | Pitch mm | Applicable for UNC, UNF 60° | Thread pitch in TPI mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Metric ISO - threads** | | | | | |
| 60 ° | 0.35 - 0.5 | 72 - 48 | | 0870 901 | 111.00 |
| 60 ° | 0.6 - 0.8 | 44 - 32 | | 0870 903 | 96.00 |
| 60 ° | 0.9 - 1.25 | 28 - 18 | | 0870 905 | 96.00 |
| 60 ° | 1.5 - 2 | 16 - 11 | | 0870 907 | 96.00 |
| 60 ° | 2.5 - 3.5 | 10 - 7 | | 0870 909 | 96.00 |
| 60 ° | 4 - 6 | 6 - 4 | | 0870 911 | 111.00 |
| **Whitworth- threads** | | | | | |
| 55 ° | | | 60 - 48 | 0870 921 | 121.00 |
| 55 ° | | | 40 - 32 | 0870 923 | 105.00 |
| 55 ° | | | 28 - 22 | 0870 925 | 105.00 |
| 55 ° | | | 20 - 16 | 0870 927 | 105.00 |
| 55 ° | | | 14 - 11 | 0870 929 | 105.00 |
| 55 ° | | | 10 - 7 | 0870 931 | 105.00 |
| 55 ° | | | 6 - 4 | 0870 933 | 121.00 |
| **Metric ISO - Trapezoid threads (DIN 103)** | | | | | |
| 30 ° | 1.5 | | | 0870 941 | 285.00 |
| 30 ° | 2 | | | 0870 943 | 207.00 |
| 30 ° | 3 | | | 0870 945 | 182.00 |
| 30 ° | 4 | | | 0870 947 | 182.00 |
| 30 ° | 5-6 | | | 0870 949 | 182.00 |
| 30 ° | 7-8 | | | 0870 951 | 182.00 |
| 30 ° | 9-10 | | | 0870 953 | 207.00 |
| 30 ° | 12-14 | | | 0870 955 | 285.00 |

## 0870 Thread flank setting gauges for external measurement




**Model**

- Measuring faces made of hardened special steel
- One end is rounded. the lapped bore simplifies the fitting upon the conical insert
- Thermally insulated handle
- **Note: With trapezoid treads every pitch requires a separate setting standard**

| ⋈ | | Length mm | Flank angle | Available for following pitches mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Metric ISO - threads** | | | | | | | |
| | | 25 | 60 ° | | 3 | 0870 801 | 70.00 |
| | | 50 | 60 ° | | 3 | 0870 802 | 71.00 |
| | | 75 | 60 ° | | 3 | 0870 803 | 72.00 |
| | | 100 | 60 ° | | 4 | 0870 804 | 73.00 |
| | | 125 | 60 ° | | 4 | 0870 805 | 74.00 |
| | | 175 | 60 ° | | 4 | 0870 807 | 82.00 |
| | | 225 | 60 ° | | 4 | 0870 809 | 92.00 |
| | | 275 | 60 ° | | 4 | 0870 811 | 102.00 |
| **Whitworth- threads** | | | | | | | |
| | | 25 | 55 ° | | 3 | 0870 821 | 70.00 |
| | | 50 | 55 ° | | 3 | 0870 822 | 71.00 |
| | | 75 | 55 ° | | 3 | 0870 823 | 72.00 |
| | | 100 | 55 ° | | 4 | 0870 824 | 77.00 |
| | | 125 | 55 ° | | 4 | 0870 825 | 78.00 |
| | | 175 | 55 ° | | 4 | 0870 827 | 89.00 |
| | | 225 | 55 ° | | 4 | 0870 829 | 103.00 |
| | | 275 | 55 ° | | 4 | 0870 831 | 117.00 |
| **Metric ISO - Trapezoid threads (DIN 103)** | | | | | | | |
| | | 25 | 30 ° | 2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 | 4 | 0870 841 | 153.00 |
| | | 50 | 30 ° | 2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 | 4 | 0870 842 | 157.00 |
| | | 75 | 30 ° | 2 / 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 | 4 | 0870 843 | 161.00 |
| | | 100 | 30 ° | 3 / 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14 | 5 | 0870 844 | 168.00 |
| | | 125 | 30 ° | 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14 | 5 | 0870 845 | 182.00 |
| | | 175 | 30 ° | 4 / 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14 | 5 | 0870 847 | 217.00 |
| | | 225 | 30 ° | 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14 | 5 | 0870 849 | 265.00 |
| | | 275 | 30 ° | 5 - 6 / 7 - 8 / 9 - 10 / 12 - 14 | 5 | 0870 851 | 324.00 |

* When ordering the respective pitch must be specified



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0864 Disc micrometers to measure gear tooth




DIN 863-3

**Model**

- DIN 863-3
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Modul 0.8 - 6
- Ratchet stop
- Hardened measuring faces
- Locking ring
- Friction coupling
- Thermally insulated

**Delivery**

- Wooden case

| Measuring range mm | Disc dia. mm | Pitch mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 25 | 25 | 0.5 | 20 | 0.004 | 0864 321 | 317.00 |
| 25 - 50 | 25 | 0.5 | 20 | 0.004 | 0864 322 | 380.00 |
| 50 - 75 | 25 | 0.5 | 20 | 0.005 | 0864 323 | 412.00 |
| 75 - 100 | 25 | 0.5 | 20 | 0.005 | 0864 324 | 447.00 |
| 100 - 125 | 25 | 0.5 | 20 | 0.006 | 0864 325 | 483.00 |
| 125 - 150 | 25 | 0.5 | 20 | 0.006 | 0864 326 | 517.00 |
| 150 - 175 | 25 | 0.5 | 20 | 0.007 | 0864 327 | 556.00 |
| 175 - 200 | 25 | 0.5 | 20 | 0.007 | 0864 328 | 594.00 |

## 0933 DIGI-MET® Disc micrometers to measure gear tooth




OPTO

**Model**

- Factory standard
- Selectable resolution 0.01 mm / 0.001 mm; 0.0005 inch / 0.00005 inch
- Non-rotating spindle
- Linear measuring system
- Locking lever
- Thermally insulated
- Ratchet stop

**Functions**

- ON / OFF
- Set to zero at any point
- mm / inch switching
- MIN / MAX
- Hold
- PRESET-Function (setting a numerical value)
- TOL (tolerance value input)
- Data output Opto RS 232

**Delivery**

- Wooden case

| Measuring range mm | Measuring range inch | Disc dia. mm | Module | Pitch mm | Spindle dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| 0 - 25 | 0 - 1 | 25 | 0.4 | 1 | 8 | 0933 701 | 779.00 |
| 25 - 50 | 1 - 2 | 25 | 0.4 | 1 | 8 | 0933 702 | 857.00 |
| 50 - 75 | 2 - 3 | 25 | 0.4 | 1 | 8 | 0933 703 | 909.00 |
| 75 - 100 | 3 - 4 | 25 | 0.4 | 1 | 8 | 0933 704 | 961.00 |
| 100 - 125 | 4 - 5 | 30 | 0.6 | 1 | 8 | 0933 705 | 1013.00 |
| 125 - 150 | 5 - 6 | 30 | 0.6 | 1 | 8 | 0933 706 | 1065.00 |
| 150 - 175 | 6 - 7 | 30 | 0.6 | 1 | 8 | 0933 707 | 1117.00 |
| 175 - 200 | 7 - 8 | 30 | 0.6 | 1 | 8 | 0933 708 | 1195.00 |



0996701 0997770 0996705

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |

## 0890 Wire thickness micrometer




### Model

- Factory standard
- Reading: 0.01 mm
- Readings parts are satin chrome finished
- Ratchet stop
- Carbide measuring faces

### Delivery

- Cardboard box

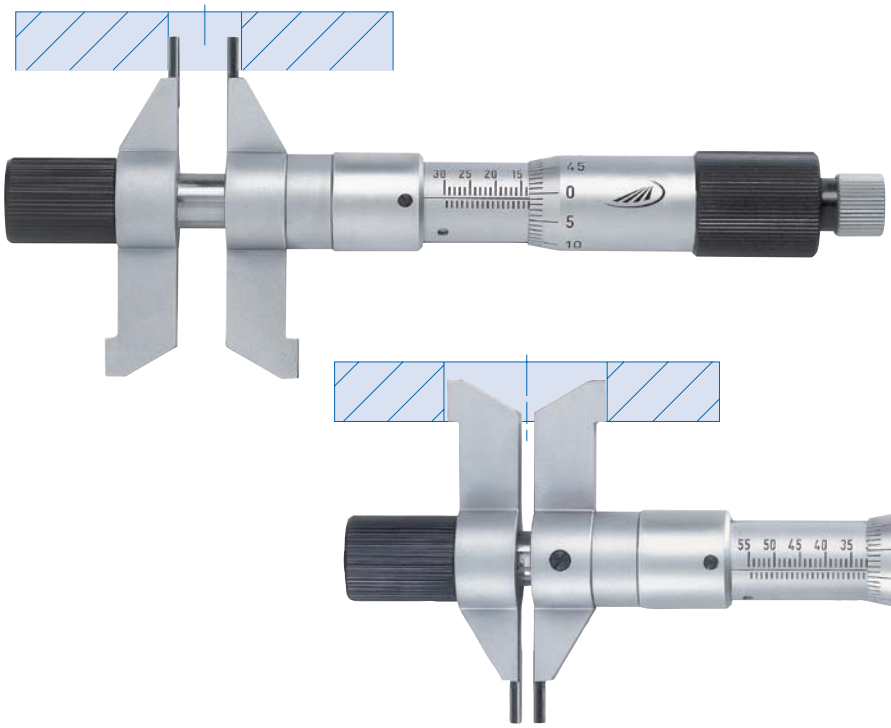
| ⋈ | | Measuring range mm | Pitch mm | Spindle dia. mm | Thimble dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 10 | 0.5 | 6 | 18 | 0890 511 | 66.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0884 Internal micrometer with measuring jaws



### Model

DIN 863-4

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Forward friction coupling
- Cylindrical carbide tipped measuring faces
- Measuring jaws on both sides (measuring ranges 5-30 mm. 30-55 mm)
- Divisions on both sides

### Delivery

- Wooden case

| Measuring range mm | Thimble dia. mm | Pitch mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 5 - 55 | 20 | 0.5 | 2.5 | 0884 501 | 794.00 |

## 0885 Internal micrometers with measuring jaws



0885 502

### Model

- Factory standard
- Reading: 0.01 mm
- Reading parts and body are satin chrome finished
- Ratchet stop
- Carbide measuring faces
- Cylindrical carbide tipped measuring faces

### Delivery

- Plastic case

| Measuring range mm | Thimble dia. mm | Pitch mm | Order no. | List price EUR |
|---|---|---|---|---|
| 5 - 30 | 17 | 0.5 | 0885 501 | 176.00 |
| 25 - 50 | 17 | 0.5 | 0885 502 | 195.00 |
| 50 - 75 | 17 | 0.5 | 0885 503 | 204.00 |
| 75 - 100 | 17 | 0.5 | 0885 504 | 245.00 |
| 100 - 125 | 17 | 0.5 | 0885 505 | 311.00 |
| 125 - 150 | 17 | 0.5 | 0885 506 | 359.00 |
| 150 - 175 | 17 | 0.5 | 0885 507 | 457.00 |
| 175 - 200 | 17 | 0.5 | 0885 508 | 518.00 |

## 0888 Internal micrometers cylindrical version







**Model**

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Carbide measuring faces dia. 6 mm, spherical lapped
- From measuring range 100 - 125 mm with thermal insulation

DIN 863-4

- From measuring range 100 - 125 mm with locking ring

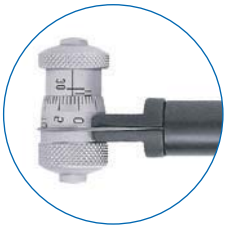
**Delivery**

- Wooden case

| ⋈ | | Measuring range mm | Thimble dia. mm | Pitch mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 25 - 30 | 15 | 0.5 | 4 | 0888 501 | 154.00 |
| | | 30 - 35 | 15 | 0.5 | 4 | 0888 502 | 154.00 |
| | | 35 - 50 | 15 | 0.5 | 4 | 0888 503 | 154.00 |
| | | 50 - 75 | 16 | 0.5 | 5 | 0888 504 | 160.00 |
| | | 75 - 100 | 17 | 0.5 | 5 | 0888 505 | 166.00 |
| | | 100 - 125 | 20 | 0.5 | 6 | 0888 506 | 185.00 |
| | | 125 - 150 | 20 | 0.5 | 6 | 0888 507 | 190.00 |
| | | 150 - 175 | 20 | 0.5 | 7 | 0888 508 | 197.00 |
| | | 175 - 200 | 20 | 0.5 | 7 | 0888 509 | 204.00 |
| | | 200 - 225 | 20 | 0.5 | 8 | 0888 510 | 210.00 |
| | | 225 - 250 | 20 | 0.5 | 8 | 0888 511 | 216.00 |
| | | 250 - 275 | 20 | 0.5 | 9 | 0888 512 | 224.00 |
| | | 275 - 300 | 20 | 0.5 | 9 | 0888 513 | 232.00 |
| | | 300 - 325 | 20 | 0.5 | 10 | 0888 514 | 241.00 |
| | | 325 - 350 | 20 | 0.5 | 10 | 0888 515 | 247.00 |
| | | 350 - 375 | 20 | 0.5 | 11 | 0888 516 | 257.00 |
| | | 375 - 400 | 20 | 0.5 | 11 | 0888 517 | 263.00 |
| | | 400 - 425 | 20 | 0.5 | 12 | 0888 518 | 273.00 |
| | | 425 - 450 | 20 | 0.5 | 12 | 0888 519 | 281.00 |
| | | 450 - 475 | 20 | 0.5 | 13 | 0888 520 | 288.00 |
| | | 475 - 500 | 20 | 0.5 | 13 | 0888 521 | 295.00 |

## 0888 Holder for internal micrometers





**Model**

- Ideal for all internal micrometers from series 0888 / 0892
- Length 200 mm

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0888 101 | 49.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0892 Internal micrometers with interchangeable extensions

DIN 863-4




0892 501

**Model**

- DIN 863-4
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Threaded extension rods with thermally insulated handle
- Carbide measuring faces. spherical lapped

**Delivery**

- Wooden case

| Measuring range mm | Thimble dia. mm | Pitch mm | Extensions | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 50 - 150 | 17 | 0.5 | 25 / 50 | 6 | 0892 501 | 376.00 |
| 50 - 250 | 17 | 0.5 | 25 / 50 / 100 | 8 | 0892 502 | 461.00 |
| 50 - 450 | 17 | 0.5 | 25 / 50 / 100 / 200 | 10 | 0892 503 | 568.00 |
| 50 - 850 | 17 | 0.5 | 25 / 50 / 100 / 200 / 400 | 12 | 0892 504 | 716.00 |
| 50 - 1450 | 17 | 0.5 | 25 / 50 / 100 / 200 / 400 / 600 | 15 | 0892 505 | 909.00 |

## 0892 Extensions for internal micrometers




0892 334

| Length mm | Order no. | List price EUR |
|---|---|---|
| 25 | 0892 332 | 71.00 |
| 50 | 0892 333 | 72.00 |
| 100 | 0892 334 | 80.00 |
| 200 | 0892 336 | 98.00 |
| 400 | 0892 339 | 130.00 |
| 600 | 0892 340 | 182.00 |

## 0894 Precision internal micrometers with extensions




DIN 863-4

### Model

- DIN 863-4
- Measuring ends: dia. 7 mm x 6 mm long, carbide tipped spherical lapped
- Thread pitch 1 mm
- Internal spring mounted rods with thermal protective sleeves
- Extensions greater than 100 mm: external steel tube dia. 17 mm, with thermal insulation
- Extensions 500 and 1000 mm: strengthened specification - steel tube dia. 32 mm for larger measuring ranges
- Basic internal micrometer is adjustable: 50 mm. The spindle is tight, so that during measurement the thimble does not adjust itself.

### Delivery

- Wooden case

| ⋈ | | Measuring range mm | Length of extensions mm (tube dia. 17 mm) | Lenth of extensions (tube dia. 32 mm) | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 100 - 150 | only micrometer, excludes case | - | 4 | 0894 504 | 224.00 |
| | | 100 - 300 | 50 / 100 | - | 7 | 0894 510 | 595.00 |
| | | 100 - 500 | 50 / 100 / 200 | - | 9 | 0894 514 | 802.00 |
| | | 100 - 900 | 50 / 100 / 200 / 400 | - | 11 | 0894 518 | 1036.00 |
| | | 100 - 1300 | 50 / 100 / 200 / 400 / 400 | - | 13 | 0894 522 | 1276.00 |
| | | 100 - 1700 | 50 / 100 / 200 / 400 / 800 | - | 15 | 0894 526 | 1313.00 |
| | | 100 - 2100 | 50 / 100 / 200 / 400 / 400 / 800 | - | 18 | 0894 530 | 1540.00 |
| | | 100 - 2500 | 50 / 100 / 200 / 400 / 800 / 800 | - | 21 | 0894 534 | 1582.00 |
| | | 100 - 2000 | 50 / 100 / 200 / 200 | 500 / 1 x 1000 | 18 | 0894 538 | 2761.00 |
| | | 100 - 3000 | 50 / 100 / 200 / 200 | 500 / 2 x 1000 | 30 | 0894 542 | 3601.00 |
| | | 100 - 4000 | 50 / 100 / 200 / 200 | 500 / 3 x 1000 | 40 | 0894 546 | 4470.00 |
| | ▪ | 100 - 5000 | 50 / 100 / 200 / 200 | 500 / 4 x 1000 | 50 | 0894 550 | 5311.00 |
| | ▪ | 100 - 6000 | 50 / 100 / 200 / 200 | 500 / 5 x 1000 | 60 | 0894 554 | 6152.00 |

With the larger measuring ranges we recommend that the ends of the precision internal micrometer to be placed and/or held on 2 points with an approximate distance of 22% of the measuring length, thus minimizing deflection. The error indicated in the table above refers to the maximum deflection of the appropriate set. When smaller dimensions are measured, the error is smaller and corresponds to the error value of the smaller sets.

## 0894 Individual extensions




| ⋈ | | Length mm | Tube dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 50 | 17 | 0894 804 | 160.00 |
| | | 100 | 17 | 0894 806 | 182.00 |
| | | 200 | 17 | 0894 810 | 197.00 |
| | | 400 | 17 | 0894 820 | 217.00 |
| | | 800 | 17 | 0894 834 | 247.00 |
| | | 500 | 32 | 0894 854 | 811.00 |
| | | 1000 | 32 | 0894 872 | 842.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0940 DIGI-MET® 2 point internal micrometers with extensions

**Model**

- Non-rotating spindle
- LCD display 6 mm
- Carbide measuring faces Ø 8 mm
- Selectable resolution 0.01 mm / 0.001 mm ; 0.0005 inch / 0.00005 inch
- Ratchet stop
- For precise measuring of inner dimensions up to 5000 mm

**Functions**

- ON / OFF
- Set to zero at any point
- mm / inch switching
- Data output Opto RS 232
- MIN / MAX
- Hold
- TOL (tolerance value input)
- PRESET-Function (setting a numerical value)

**Delivery**

- Wooden case

OPTO DIN 863

NEW






0940 816




| ⋈ | | Measuring range mm | Pitch mm | Extensions | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 150 - 175 | 1 | Basic unit | 0940 816 | 835.00 |
| | | 150 - 350 | 1 | 25 / 50 / 100 | 0940 823 | 1195.00 |
| | | 150 - 550 | 1 | 25 / 50 / 100 / 200 | 0940 829 | 1360.00 |
| | | 150 - 950 | 1 | 25 / 50 / 100 / 200 / 400 | 0940 833 | 1530.00 |
| | | 150 - 1550 | 1 | 25 / 50 / 100 / 200 / 200 / 400 / 400 | 0940 839 | 1750.00 |



0996705 0996701 0997770

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |
| USB-keyboard interface cable | 0997 770 | 241.00 |

## 0940 Individual extension




| ⋈ | | Length mm | Tube dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 25 | 17 | 0940 891 | 129.00 |
| | | 50 | 17 | 0940 892 | 145.00 |
| | | 100 | 17 | 0940 893 | 179.00 |
| | | 200 | 17 | 0940 894 | 219.00 |
| | | 400 | 17 | 0940 895 | 295.00 |
| | | 1000 | 32 | 0940 896 | 895.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 1921 3 point internal micrometers

DIN 863-4



1921 512



1921 534



Inclusive!

### Model

- DIN 863-4
- Reading: 0.001 mm*
- Reading: 0.005 mm
- Reading parts are satin chrome finished
- Pitch 0.5 mm
- Carbide tipped measuring pins from measuring range 12 mm
- Ratchet stop
- From measuring range 12 mm for through and blind holes

### Delivery

- Plastic case
- Setting ring inclusive
- Calibration certificate for ring and device

| ⋈ | | Measuring range mm | Measuring depth mm | Thimble dia. mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| ▪ | | 6 - 8 | 58 | 16 | 4 | 1921 510* | 384.00 |
| ▪ | | 8 - 10 | 58 | 16 | 4 | 1921 512* | 384.00 |
| ▪ | | 10 - 12 | 58 | 16 | 4 | 1921 514* | 384.00 |
| ▪ | | 12 - 16 | 64 | 16 | 4 | 1921 516* | 384.00 |
| ▪ | | 16 - 20 | 64 | 16 | 4 | 1921 518* | 405.00 |
| ▪ | | 20 - 25 | 68 | 25 | 4 | 1921 520 | 416.00 |
| ▪ | | 25 - 30 | 68 | 25 | 4 | 1921 522 | 421.00 |
| ▪ | | 30 - 40 | 76 | 25 | 4 | 1921 524 | 473.00 |
| ▪ | | 40 - 50 | 76 | 25 | 4 | 1921 526 | 473.00 |
| ▪ | | 50 - 60 | 79 | 25 | 5 | 1921 528 | 545.00 |
| ▪ | | 60 - 70 | 79 | 25 | 5 | 1921 530 | 561.00 |
| ▪ | | 70 - 85 | 97 | 25 | 5 | 1921 532 | 577.00 |
| ▪ | | 85 - 100 | 97 | 25 | 5 | 1921 534 | 592.00 |
| ▪ | | 100 - 125 | 132 | 25 | 6 | 1921 536 | 831.00 |
| ▪ | | 125 - 150 | 132 | 25 | 6 | 1921 538 | 982.00 |
| ▪ | | 150 - 175 | 132 | 25 | 7 | 1921 540 | 1034.00 |
| ▪ | | 175 - 200 | 132 | 25 | 7 | 1921 542 | 1091.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1920 Set of 3 point internal micrometers






DIN 863-4

### Model

- DIN 863-4
- Reading: 0.001 mm*
- Reading: 0.005 mm
- Reading parts are satin chrome finished
- Pitch 0.5 mm
- Carbide tipped measu-ring pins from measuring range 12 mm
- Ratchet stop
- From measuring range 12 mm for through and blind holes

### Delivery

- Plastic case
- Setting ring inclusive
- Calibration certificate for ring and device

| ⋈ | | Measuring range mm | Thimble dia. mm | Number of devices | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| ▪ | | 6 - 12 | 16 | 3 | 1920 574 | 1081.00 |
| ▪ | | 12 - 20 | 16 | 2 | 1920 576 | 758.00 |
| ▪ | | 20 - 50 | 25 | 4 | 1920 578 | 1870.00 |
| ▪ | | 50 - 100 | 25 | 4 | 1920 580 | 2234.00 |

## 1920 Measuring depth extensions for 3 point internal micrometers




### Model

- Suitable for devices 1920, 1921, 1923 and 1924

| ⋈ | | Measuring range mm | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 6 - 12 | 75 | 1920 910 | 88.00 |
| | | 12 - 20 | 75 | 1920 914 | 94.00 |
| | | 20 - 30 | 150 | 1920 920 | 99.00 |
| | | 30 - 200 | 150 | 1920 924 | 119.00 |

# 1923 DIGI-MET® 3 point internal micrometers




NEW

### Model

- DIN 863-4
- Reading: 0.001 mm / .00005 inch
- Protection class IP52
- LCD display 8.5 mm
- Ratchet stop
- For through holes
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Plastic case
- Incl. setting ring
- Certificate for setting ring and micrometer



**Inclusive!**

| ⋈ | | Measuring range mm | Measuring depth mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| ▪ | | 6 - 8 | 58 | 4 | 1923 510 | 1055.00 |
| ▪ | | 8 - 10 | 58 | 4 | 1923 512 | 1055.00 |
| ▪ | | 10 - 12 | 58 | 4 | 1923 514 | 1065.00 |
| ▪ | | 12 - 16 | 64 | 4 | 1923 516 | 1065.00 |
| ▪ | | 16 - 20 | 64 | 4 | 1923 518 | 1110.00 |
| ▪ | | 20 - 25 | 68 | 4 | 1923 520 | 1130.00 |
| ▪ | | 25 - 30 | 68 | 4 | 1923 522 | 1140.00 |
| ▪ | | 30 - 40 | 76 | 4 | 1923 524 | 1190.00 |
| ▪ | | 40 - 50 | 76 | 4 | 1923 526 | 1195.00 |
| ▪ | | 50 - 60 | 79 | 5 | 1923 528 | 1285.00 |
| ▪ | | 60 - 70 | 79 | 5 | 1923 530 | 1315.00 |
| ▪ | | 70 - 85 | 97 | 5 | 1923 532 | 1345.00 |
| ▪ | | 85 - 100 | 97 | 5 | 1923 534 | 1395.00 |
| ▪ | | 100 - 125 | 132 | 6 | 1923 536 | 1695.00 |
| ▪ | | 125 - 150 | 132 | 6 | 1923 538 | 1895.00 |
| ▪ | | 150 - 175 | 132 | 7 | 1923 540 | 2040.00 |
| ▪ | | 175 - 200 | 132 | 7 | 1923 542 | 2215.00 |



1998720 1998501 1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1923 DIGI-MET® Set of 3 point internal micrometers



**Delivery**

- Plastic case
- Incl. setting ring
- Certificate for setting ring and micrometer

| ⋈ | | Measuring range mm | Error limit µm | Number of devices | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| ▪ | | 6 - 12 | 4 | 3 | 1923 574 | 1700.00 |
| ▪ | | 12 - 20 | 4 | 2 | 1923 576 | 1500.00 |
| ▪ | | 20 - 50 | 4 | 4 | 1923 578 | 2200.00 |
| ▪ | | 50 - 100 | 5 | 4 | 1923 580 | 2700.00 |



1998720 1998501 1997501

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |

## 1923 DIGI-MET® Basic unit for 3 point internal micrometers




**Model**

- Reading: 0.001 mm / .00005 inch
- Protection class IP52
- LCD display 8.5 mm
- Ratchet stop
- Mounting thread for changing of measuring heads

**Functions**

- ON / OFF
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- **Q**uick-**L**ock (key lock)
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

| ⋈ | | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 6 - 20 | 1923 100 | 765.00 |
| | | 20 - 100 | 1923 200 | 765.00 |
| | | 100 - 200 | 1923 300 | 765.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 1924 DIGI-MET® 3 point internal measuring pistols



1924 528

NEW

### Model

- For through holes
- Mounting thread for changing of measuring heads
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces
- Digital indicator recommended as display device

### Delivery

- Plastic case
- Incl. setting ring
- Without display device



Inclusive!

| ⋈ | | Measuring range mm | Measuring depth mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| ▪ | | 6 - 8 | 58 | 1924 510 | 785.00 |
| ▪ | | 8 - 10 | 58 | 1924 512 | 785.00 |
| ▪ | | 10 - 12 | 58 | 1924 514 | 795.00 |
| ▪ | | 12 - 16 | 64 | 1924 516 | 805.00 |
| ▪ | | 16 - 20 | 64 | 1924 518 | 835.00 |
| ▪ | | 20 - 25 | 68 | 1924 520 | 835.00 |
| ▪ | | 25 - 30 | 68 | 1924 522 | 865.00 |
| ▪ | | 30 - 40 | 76 | 1924 524 | 910.00 |
| ▪ | | 40 - 50 | 76 | 1924 526 | 915.00 |
| ▪ | | 50 - 60 | 79 | 1924 528 | 995.00 |
| ▪ | | 60 - 70 | 79 | 1924 530 | 1035.00 |
| ▪ | | 70 - 85 | 97 | 1924 532 | 1070.00 |
| ▪ | | 85 - 100 | 97 | 1924 534 | 1120.00 |
| ▪ | | 100 - 125 | 132 | 1924 536 | 1380.00 |
| ▪ | | 125 - 150 | 132 | 1924 538 | 1590.00 |
| ▪ | | 150 - 175 | 132 | 1924 540 | 1700.00 |
| ▪ | | 175 - 200 | 132 | 1924 542 | 1900.00 |


1726506


172650660

| Accessories | Order no. | List price EUR |
|---|---|---|
| DIGI-MET® Indicators | 1726 506 | 365.00 |
| DIGI-MET® Indicators with integrated wireless | 172650 660 | 425.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1924 DIGI-MET® Set of 3 point internal measuring pistols



**Model**

- For through holes
- From measuring range 12 mm for through and blind holes
- From measuring range 12 mm with carbide tipped measuring faces
- Digital indicator recommended as display device

**Delivery**

- Plastic case
- Incl. setting ring
- Without display device

| | | Measuring range mm | Number of devices | Order no. | List price EUR |
|---|---|---|---|---|---|
| ▪ | | 6 - 12 | 3 | 1924 574 | 1400.00 |
| ▪ | | 12 - 20 | 2 | 1924 576 | 1200.00 |
| ▪ | | 20 - 50 | 4 | 1924 578 | 2000.00 |
| ▪ | | 50 - 100 | 4 | 1924 580 | 2600.00 |

## 1924 DIGI-MET® Basic unit for 3 point internal measuring pistols




**Model**

- Mounting thread for changing of measuring heads
- Support for indicators with shaft Ø 8 mm
- Measuring range 6-100 mm incl. adapter for 6-20 mm

**Delivery**

- Plastic case

| | | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 6 - 100 | 1924 100 | 480.00 |
| | | 20 - 100 | 1924 200 | 480.00 |
| | | 100 - 200 | 1924 300 | 560.00 |

## 1922 Individual measuring heads for 1923 / 1924




1922 512




1922 534

**Model**

- From measuring range 12 mm with carbide tipped measuring faces
- From measuring range 12 mm for through and blind holes

| ⋈ | | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 6 - 8 | 1922 510 | 290.00 |
| | | 8 - 10 | 1922 512 | 290.00 |
| | | 10 - 12 | 1922 514 | 295.00 |
| | | 12 - 16 | 1922 516 | 295.00 |
| | | 16 - 20 | 1922 518 | 305.00 |
| | | 20 - 25 | 1922 520 | 315.00 |
| | | 25 - 30 | 1922 522 | 325.00 |
| | | 30 - 40 | 1922 524 | 365.00 |
| | | 40 - 50 | 1922 526 | 365.00 |
| | | 50 - 60 | 1922 528 | 435.00 |
| | | 60 - 70 | 1922 530 | 445.00 |
| | | 70 - 85 | 1922 532 | 460.00 |
| | | 85 - 100 | 1922 534 | 475.00 |
| | | 100 - 125 | 1922 536 | 695.00 |
| | | 125 - 150 | 1922 538 | 845.00 |
| | | 150 - 175 | 1922 540 | 915.00 |
| | | 175 - 200 | 1922 542 | 945.00 |

## 1920 Measuring depth extensions for 3 point internal micrometers



**Model**

- Suitable for devices 1920, 1921, 1923 and 1924

| ⋈ | | Measuring range mm | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 6 - 12 | 75 | 1920 910 | 88.00 |
| | | 12 - 20 | 75 | 1920 914 | 94.00 |
| | | 20 - 30 | 150 | 1920 920 | 99.00 |
| | | 30 - 200 | 150 | 1920 924 | 119.00 |

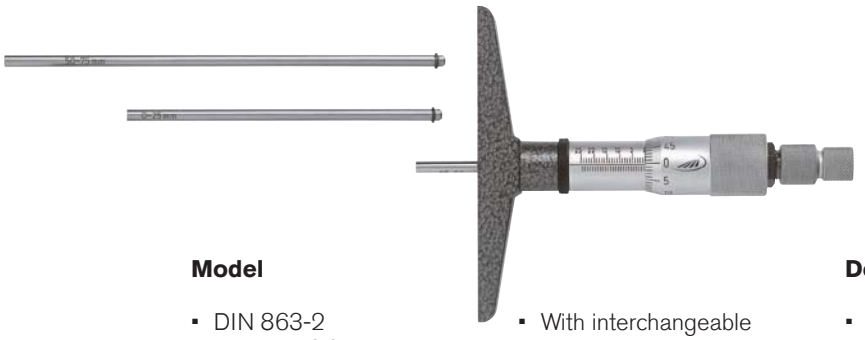


Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0882 Depth micrometers

DIN 863-2



**Model**

- DIN 863-2
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Locking ring
- Friction coupling
- With interchangeable steek measuring inserts dia. 4 mm
- Hardened measuring faces

**Delivery**

- Wooden case

| Measuring range mm | Bridge length mm | Pitch mm | Thimble dia. mm | Error limit mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Measuring faces dia. 0.8. length 8.5 mm** | | | | | | |
| 0 - 50 | 50 | 0.5 | 20 | 0.004 | 0882 300 | 263.00 |
| 0 - 75 | 50 | 0.5 | 20 | 0.005 | 0882 301 | 286.00 |
| 0 - 100 | 100 | 0.5 | 20 | 0.005 | 0882 303 | 314.00 |
| 0 - 150 | 100 | 0.5 | 20 | 0.006 | 0882 304 | 368.00 |
| 0 - 300 | 100 | 0.5 | 20 | 0.009 | 0882 306 | 592.00 |

## 0886 Micrometer heads

DIN 863-2



0886 503



0886 507

**Model**

- DIN 863-2
- Reading: 0.01 mm
- Reading parts are satin chrome finished
- Carbide measuring faces

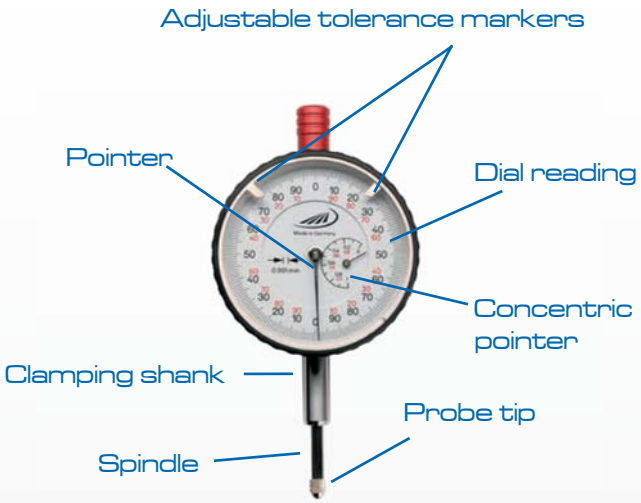
**Delivery**

- Plastic case

| Measuring range mm | Spindle dia. mm | Thimble dia. mm | Error limit mm | Description | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0 - 6.5 | 3.5 | 9.5 | 0.003 | without ratchet stop | 0886 503 | 23.40 |
| 0 - 13 | 6.5 | 13.5 | 0.003 | without ratchet stop | 0886 505 | 27.00 |
| 0 - 25 | 6.5 | 18 | 0.003 | with ratchet stop | 0886 507 | 23.40 |
| 0 - 25 | 8 | 18 | 0.003 | with ratchet stop, non-rotating spindle | 0886 513 | 41.60 |

HELIOS · PREISSER

# SAMPLES **INDICATORS**




## Specifications

- Housing made from metal or polyamide
- Replacement probe tips M 2,5
- Shockproof devices available
- Water and oil proof devices available

## Electronic functions

**Q**uick**S**tart Electronic: Moving the spindle starts your measurement

**Q**uick**L**ock Function: Single keys can be locked individually

Data Variable: Interface for USB, RS 232 & Digimatic

Intergrated data transmission (Integrated Wireless)




**1734i**
with integrated wireless

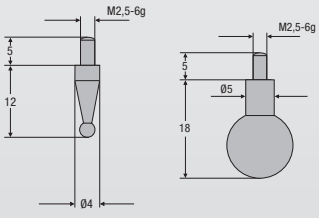
## Matching accessories for our **Indicators**



MEASURING **TABLES**



MEASURING **STANDS**




MEASURING **INSERTS**

# 3. CHAPTER INDICATORS


| | |
|---|---|
| 122 | Indicators |
| 129 | Dial gauges |
| 134 | Precision indicators |
| 135 | Accessories for dial gauges and precision indicators |
| 137 | Measuring inserts for dial gauges |
| 141 | Dial test indicators |
| 143 | Depth gauges, depth measuring base |
| 144 | Dial thickness gauges |
| 146 | Internal and external caliper gauges |
| 150 | Internal bore gauges for blind holes |
| 151 | Analogue internal precision bore gauges |
| 153 | Crankshaft gauges / Length measuring instruments |
| 154 | Length measuring instruments for internal incisions |
| 155 | Universal comparator gauge |
| 158 | Comparator gauge UHRTAST |
| 164 | Magnetic measuring stands |
| 168 | Measuring tables |
| 171 | Bench centres |
| 176 | Shaft measuring instruments |

## 1722 / 1723 / 1724 DIGI-MET® Indicators




1722 502




1723 502




1724 502

### Model

- Housing Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP52
- Clamping shank Ø 8 mm
- LCD display with 12 mm high numerals
- Accuracy according to factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- Reversal of counting direction
- mm / inch switching
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

### Delivery

- Cardboard box

| ⋈ | | Measuring span | Resolution mm | | Error limit | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | mm | N | | EUR |
| | | 12.5 | 0.01 | .0005 | 0.02 | 0.5 - 1 | 1722 502 | 138.00 |
| | | 12.5 | 0.005 | .0001 | 0.015 | 0.5 - 1 | 1723 502 | 174.00 |
| | | 12.5 | 0.001 | .00005 | 0.005 | 0.5 - 1 | 1724 502 | 284.00 |



1998720



1997501



1998501



1739920

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Cable release | 1739 920 | 14.30 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 1726 / 1728 DIGI-MET® Indicators




1726 502




1728 502

## Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Cardboard box

| ⋈ | | Measuring span | Resolution | | Error limit | | Repeatability | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | total span mm | partial span**mm | mm | N | | EUR |
| **Reading 0.001 mm** | | | | | | | | | | |
| | | 12.5 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 1726 502 | 331.00 |
| | | 25 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 1.15 | 1726 506 | 365.00 |
| | | 50 | 0.001 | .00005 | 0.007 | 0.002 | 0.001 | 1.25 - 2.7 | 1726 510 | 642.00 |
| | | 100 | 0.001 | .00005 | 0.008 | 0.002 | 0.001 | 1.6 - 3.5 | 1726 514 | 795.00 |
| **Reading 0.01 mm** | | | | | | | | | | |
| | | 12.5 | 0.01 | .0005 | 0.02 | - | 0.01 | 0.65 - 0.9 | 1728 502 | 277.00 |
| | | 25 | 0.01 | .0005 | 0.02 | - | 0.01 | 0.65 - 1.15 | 1728 506 | 353.00 |
| | | 50 | 0.01 | .0005 | 0.02 | - | 0.01 | 1.25 - 2.7 | 1728 510 | 576.00 |
| | | 100 | 0.01 | .0005 | 0.02 | - | 0.01 | 1.6 - 3.5 | 1728 514 | 737.00 |

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720



1998501



1997501



1739910

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2450 | 1998 770 | 5.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Cable release | 1739 910 | 38.40 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

# 1730 / 1732 DIGI-MET® Indicators




1730 502




1730 506

## Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP54
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

## Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB

## Delivery

- Cardboard box

| ⋈ | | Measuring span | Resolution | | Error limit | | Repeatability | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | total span mm | partial span**mm | mm | N | | EUR |
| | | 12.5 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 1730 502 | 367.00 |
| | | 25 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 1.15 | 1730 506 | 414.00 |
| | | 12.5 | 0.01 | .0005 | 0.02 | - | 0.01 | 0.65 - 1.4 | 1732 502 | 310.00 |
| | | 25 | 0.01 | .0005 | 0.02 | - | 0.01 | 1 - 2.25 | 1732 506 | 391.00 |

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720



1998501



1997501



1739910

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2450 | 1998 770 | 5.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Cable release | 1739 910 | 38.40 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1734 DIGI-MET® indicators with combined analogue / digital display




1734 502




1734 506

### Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- TIR (MIN-MAX differential)
- Reversal of counting direction
- Factor input
- Individual key lock
- Variable data output RS 232 + Digimatic + USB
- PRESET-Function (setting a numerical value)

### Delivery

- Cardboard box

| ⋈ | | Measuring span | Resolution | | Error limit | | Repeatability | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | total span mm | partial span**mm | mm | N | | EUR |
| | | 12.5 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 1734 502 | 381.00 |
| | | 25 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 1.15 | 1734 506 | 437.00 |

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm


1998720


1998501


1997501


1739910

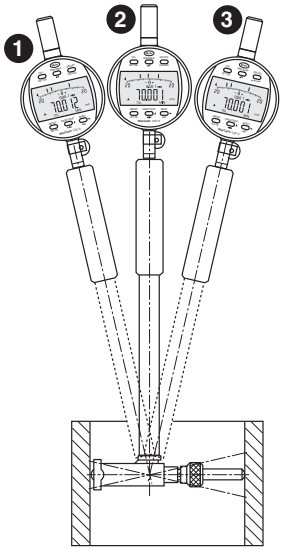
| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2450 | 1998 770 | 5.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Cable release | 1739 910 | 38.40 |

## 1734 DIGI-MET® indicator with combined analogue / digital display

### for comparator gauges



1734 522




### Application

The turning point can be determined automatically in measurements with a 2 point internal measuring device through commuting. The actual value is detected and stored by the MIN function and appears on the display

### Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- MIN / MAX
- Reversal of counting direction
- Factor input
- Individual key lock
- Variable data output RS 232 + Digimatic + USB
- PRESET-Function (setting a numerical value)

### Delivery

- Cardboard box

| ⋈ | ⁄ | Measuring span | Resolution | | Error limit | | Repeatability | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | total span mm | partial span**mm | mm | N | | EUR |
| | | 12.5 | 0.001 | .00005 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 1734 522 | 494.00 |

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1998720 1998501 1997501 1739910

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2450 | 1998 770 | 5.70 |
| Data cable DATA VARIABLE to USB | 1998 720 | 69.00 |
| Data cable DATA VARIABLE to RS232 | 1997 501 | 48.00 |
| Data cable DATA VARIABLE to digimatic | 1998 501 | 61.00 |
| Cable release | 1739 910 | 38.40 |



⁄ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1726i / 1734i DIGI-MET® Indicators with integrated wireless



172650 260



173450 260

integrated wireless

**NOVELTY**
Data transmission without cable or radio module

3

### Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP42
- Clamping shank Ø 8mm
- Display can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

### Functions

- ON / OFF
- **Q**uick-**S**tart
- **Q**uick-**L**ock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB
- Integrated Wireless

### Delivery

- Cardboard box

| | | Measuring span | Resolution | | Error limit | | Repeatability | Measuring force | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | total span mm | partial span**mm | mm | N | | EUR |
| | | 12.5 | 0.0005 | .00002 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 172650 260 | 391.00 |
| | | 25 | 0.0005 | .00002 | 0.004 | 0.002 | 0.001 | 0.65 - 1.15 | 172650 660 | 425.00 |
| With combined analogue / digital display and MIN / MAX / TIR Function | | | | | | | | | | |
| | | 12.5 | 0.0005 | .00002 | 0.004 | 0.002 | 0.001 | 0.65 - 0.85 | 173450 260 | 441.00 |
| | | 25 | 0.0005 | .00002 | 0.004 | 0.002 | 0.001 | 0.65 - 0.9 | 173450 660 | 497.00 |

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span= 25 steps by step value 0.0005 mm



1739910



1998780

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2450 | 1998 770 | 5.70 |
| Cable release | 1739 910 | 38.40 |
| i-Stick USB-receiver for Integrated Wireless | 1998 780 | 97.00 |

**Integrated Wireless is intended to be sold in the EU only**

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

# 0691 DIGI-MET® Indicators

### Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP51
- Water and coolant resistant
- Clamping shank Ø 8 mm
- Display unit can be rotated through 270°
- LCD display with 11 mm high numerals
- Factory standard

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Reversal of counting direction
- Data interface RS232 Proximity (cable no. 1998 760)

*** Additional functions models 0691 751 + 0691 753**

- TOL (tolerance value input)
- Factor input
- MIN / MAX
- TIR (MIN-MAX differential)

### Delivery

- Cardboard box




0691 733




0691 735




0691 747

| | | Measuring span | Resolution | | Error limit | Order no. | List price |
|---|---|---|---|---|---|---|---|
| | | mm | mm | inch | mm | | EUR |
| **Reading 0.01 mm** | | | | | | | |
| | | 12.5 | 0.01 | .0005 | 0.01 | 0691 731 | 363.00 |
| | | 25 | 0.01 | .0005 | 0.01 | 0691 733 | 416.00 |
| | | 50 | 0.01 | .0005 | 0.02 | 0691 735 | 905.00 |
| | | 100 | 0.01 | .0005 | 0.02 | 0691 737 | 1020.00 |
| **Reading 0.001 mm** | | | | | | | |
| | | 12.5 | 0.001 | .00005 | 0.004 | 0691 741 | 448.00 |
| | | 25 | 0.001 | .00005 | 0.005 | 0691 743 | 491.00 |
| | | 50 | 0.001 | .00005 | 0.007 | 0691 745 | 1003.00 |
| | | 100 | 0.001 | .00005 | 0.008 | 0691 747 | 1158.00 |
| **Reading 0.001 mm. with additional functions*** | | | | | | | |
| | | 12.5 | 0.001 | .00005 | 0.003 | 0691 751 | 521.00 |
| | | 25 | 0.001 | .00005 | 0.004 | 0691 753 | 576.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0701 Small dial gauges with lightweight plastic housing

DIN 878



**Model**

- Lightweight housing made of polyamide
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

**Delivery**

- Fitted case

| Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Small dial gauge** | | | | | |
| 5 | 0.01 | 0.5 | 40 | 0701 101 | 40.00 |
| **Shockproof small dial gauge** | | | | | |
| 5 | 0.01 | 0.5 | 40 | 0701 102 | 50.00 |

## 0708 Small dial gauges

DIN 878



0708 101



0708 102

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- DIN 878

**Delivery**

- Fitted case

| Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 10 | 0.01 | 0.5 | 40 | 0708 101 | 86.00 |
| 5 | 0.01 | 0.5 | 40 | 0708 102 | 55.00 |
| 3 | 0.01 | 0.5 | 32 | 0708 103 | 66.00 |
| 3 | 0.01 | 0.5 | 40 | 0708 104 | 45.00 |
| **Shockproof small dial gauge** | | | | | |
| 3 | 0.01 | 0.5 | 40 | 0708 105 | 55.00 |
| 5 | 0.01 | 0.5 | 40 | 0708 106 | 73.00 |

## 0701 Dial gauges

DIN 878



0701 106



0701 110

**Model**

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878
- 0701103 = Factory standard

**Delivery**

- Fitted case

| ⋈ | ⧄ | Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Dial gauge, plastic housing** | | | | | | | |
| | | 10 | 0.01 | 1 | 58 | 0701 103 | 23.00 |
| **Shockproof dial gauge, injection-moulded housing** | | | | | | | |
| | | 10 | 0.01 | 1 | 56 | 0701 106 | 24.00 |
| **Dial gauge, metal housing** | | | | | | | |
| | | 10 | 0.01 | 1 | 58 | 0701 110 | 40.00 |
| **Shockproof dial gauge, metal housing** | | | | | | | |
| | | 10 | 0.01 | 1 | 58 | 0701 111 | 46.00 |

## 0703 Dial gauges with extended measuring range



0703 101

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- Factory standard

**Delivery**

- Fitted case

| ⋈ | ⧄ | Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 30 | 0.01 | 1 | 58 | 0703 101 | 99.00 |
| | | 50 | 0.01 | 1 | 58 | 0703 104 | 137.00 |
| | | 80 | 0.01 | 1 | 58 | 0703 107 | 275.00 |



⧄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0704 Shockproof dial gauges



0704 105



0704 109

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Shockproof

**Delivery**

- Fitted case

DIN 878

| Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Revolution counter: DIN 878** | | | | | |
| 10 | 0.01 | 1 | 58 | 0704 105 | 70.00 |
| **With fine adjustment of the pointer: DIN 878** | | | | | |
| 10 | 0.01 | 1 | 58 | 0704 106 | 86.00 |
| **Concentric pointer: Factory standard** | | | | | |
| 30 | 0.01 | 1 | 58 | 0704 109 | 113.00 |
| 50 | 0.01 | 1 | 58 | 0704 110 | 146.00 |

## 0707 Water and oil proof dial gauges



0707 102

**Model**

- Metal housing. water and oil proof
- Protection class IP67
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Rubber belows
- Shockproof
- Outer ring (bezel) can be rotated through 360°
- DIN 878

**Delivery**

- Fitted case

DIN 878 IP 67

| Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 3 | 0.01 | 0.5 | 44.5 | 0707 101 | 124.00 |
| 10 | 0.01 | 1 | 61.5 | 0707 102 | 106.00 |

## 0700 Dial gauges, graduation 0.1 mm



0700 102



0700 104

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

**Delivery**

- Fitted case

| ⋈ | ⧄ | Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 10 | 0.1 | 10 | 40 | 0700 100 | 60.00 |
| | | 5 | 0.1 | 5 | 40 | 0700 101 | 60.00 |
| | | 10 | 0.1 | 10 | 58 | 0700 102 | 46.00 |
| Straight line revolution counter | | | | | | | |
| | | 30 | 0.1 | 10 | 58 | 0700 104 | 53.00 |

## 0702 Dial gauge with concentric mm display

DIN 878



0702 106

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- DIN 878

**Delivery**

- Fitted case

| ⋈ | ⧄ | Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 10 | 0.01 | 1 | 58 | 0702 106 | 61.00 |



⧄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0705 Precision dial gauges



0705 102

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- Factory standard

**Delivery**

- Fitted case

| Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 1 | 0.001 | 0.2 | 40 | 0705 102 | 108.00 |
| 1 | 0.001 | 0.2 | 58 | 0705 104 | 108.00 |
| 5 | 0.001 | 0.2 | 58 | 0705 105 | 113.00 |
| **Precision shockproof dial gauge** | | | | | |
| 1 | 0.001 | 0.2 | 40 | 0705 107 | 115.00 |
| 5 | 0.001 | 0.2 | 58 | 0705 109 | 140.00 |

## 0706 Error free, shockproof dial gauge

DIN 878



0706 102

**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

**Delivery**

- Fitted case

| Measuring span mm | Scale graduation value mm | Dial reading | Overtravel mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| 0.8 | 0.01 | 40-0-40 | 1 | 58 | 0706 102 | 70.00 |

## 0709 Dial gauges with reverse action plunger



**Model**

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

**Delivery**

- Fitted case

| ⋈ | | Measuring span mm | Scale graduation value mm | Range per rev. mm | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 3 | 0.01 | 0.5 | 40 | 0709 101 | 104.00 |
| | | 5 | 0.01 | 1 | 58 | 0709 108 | 124.00 |

## 0712 Dial comparator gauge MICROTAST




0712 121




0712 124

**Model**

- Measuring spindle is made of hardened stainless steel
- Longer measuring spindle
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Tolerance markers
- Shockproof
- Fine adjustment
- DIN 879

**Delivery**

- Fitted case

DIN 879

| ⋈ | | Measuring span mm | Scale graduation value mm | Dial reading | Overtravel mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0.5 | 0.01 | 25-0-25 | 2.5 | 0712 121 | 149.00 |
| | | 0.1 | 0.001 | 50-0-50 | 3 | 0712 124 | 182.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0710 Magnetic back

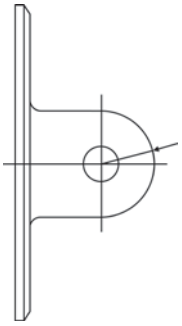


**Model**

- For dial gauges with outer ring (Bezel) Ø 58 mm
- Allows dial gauges to be used without a holder or a stand
- Magnetic force 220 N
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

| Order no. | List price EUR |
|---|---|
| 0710 101 | 51.00 |

## 0710 Lug back

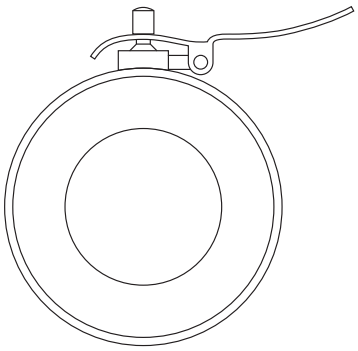


**Model**

- Ø 5 mm
- For retrofitting
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

| Diameter | Order no. | List price EUR |
|---|---|---|
| For dial gauges with an outer ring (Bezel) dia. 40 mm | | |
| 5 mm | 0710 102 | 6.30 |
| For dial gauges with an outer ring (Bezel) dia. 58 mm | | |
| 5 mm | 0710 103 | 6.50 |

## 0710 Spindle lifting lever



**Model**

- For dial gauges with a measuring range max. 10 mm
- Cannot be used in conjunction with dial gauges 0701 103 and 0701 106 or any digital gauges

| Order no. | List price EUR |
|---|---|
| For dial gauges with an outer ring (Bezel) dia. 40 mm | |
| 0710 104 | 10.10 |
| For dial gauges with an outer ring (Bezel) dia. 58 mm | |
| 0710 105 | 10.10 |

## 0724 Angle lever attachment



**Model**

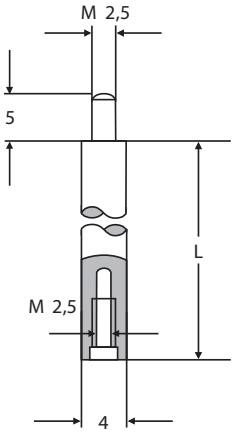
- Clamping shank Ø 8 mm
- Smallest measurable hole: 6 mm

**Delivery**

- Excludes dial gauge

| ⋈ | ⧄ | Measuring depth mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 60 | 0724 101 | 46.00 |

## 0710 Extensions for dial gauges




**Model**

- Special steel
- Thread M 2.5

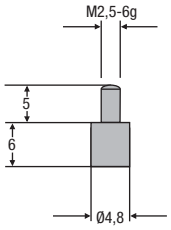
| ⋈ | ⧄ | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 10 | 0710 111 | 4.30 |
| | | 15 | 0710 112 | 4.30 |
| | | 20 | 0710 113 | 4.30 |
| | | 25 | 0710 114 | 4.30 |
| | | 30 | 0710 115 | 4.30 |
| | | 35 | 0710 116 | 4.30 |
| | | 40 | 0710 117 | 4.30 |
| | | 45 | 0710 118 | 4.30 |
| | | 50 | 0710 119 | 4.30 |
| | | 55 | 0710 120 | 4.30 |
| | | 60 | 0710 121 | 4.30 |
| | | 65 | 0710 122 | 4.30 |
| | | 70 | 0710 123 | 4.30 |
| | | 75 | 0710 124 | 4.30 |
| | | 80 | 0710 125 | 4.30 |
| | | 85 | 0710 126 | 4.30 |
| | | 90 | 0710 127 | 4.30 |
| | | 95 | 0710 128 | 4.30 |
| | | 100 | 0710 129 | 4.30 |



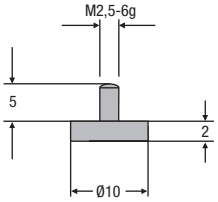
⧄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

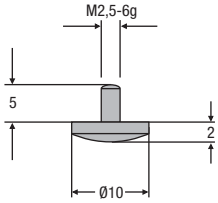
## 0710 Measuring inserts M 2.5



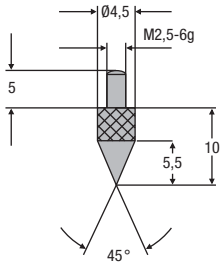

| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 6 | 0710 161 | 3.50 |
| Carbide | 6 | 0710 261 | 23.80 |



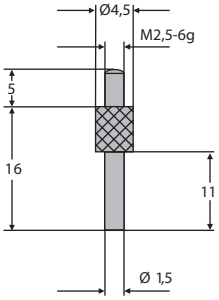

| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 2 | 0710 162 | 4.50 |
| Carbide | 2 | 0710 262 | 38.40 |




| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 2 | 0710 163 | 5.20 |
| Carbide | 2 | 0710 263 | 46.30 |

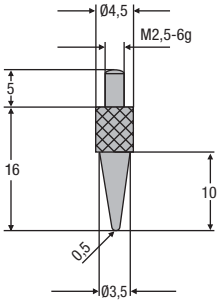



| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 10 | 0710 164 | 5.20 |
| Carbide | 10 | 0710 264 | 44.80 |

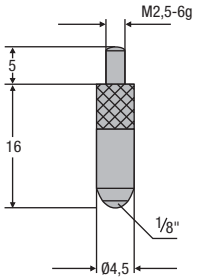



| Material | Length mm | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| Special steel | 16 | 1.5 | 0710 165 | 6.50 |
| Carbide | 16 | 1.5 | 0710 265 | 20.60 |

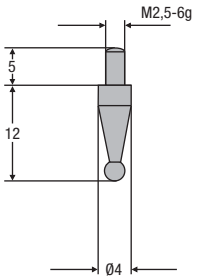
# 0710 Measuring inserts M 2.5



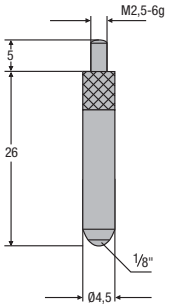

| ⋈ | ◪ | Material | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel | 16 | 0710 166 | 4.70 |




| ⋈ | ◪ | Material | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel | 16 | 0710 167 | 3.30 |
| | | Carbide | 16 | 0710 267 | 10.90 |
| | | Ruby | 16 | 0710 367 | 8.50 |
| | | Sapphire | 16 | 0710 467 | 8.50 |




| ⋈ | ◪ | Material | Length mm | Ball diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| Tolerance of the ball diameter +/- 1 µm | | | | | | |
| | | Special steel | 12 | 1 | 0710 169 | 6.50 |
| | | Special steel | 12 | 1.5 | 0710 170 | 6.50 |
| | | Special steel | 12 | 2 | 0710 171 | 6.50 |
| | | Special steel | 12 | 2.5 | 0710 172 | 6.50 |
| | | Special steel | 12 | 3 | 0710 173 | 6.50 |
| | | Special steel | 12 | 3.5 | 0710 174 | 6.50 |
| | | Special steel | 12 | 4 | 0710 175 | 6.50 |
| | | Special steel | 12 | 4.5 | 0710 176 | 6.50 |
| | | Special steel | 12 | 5 | 0710 177 | 6.50 |
| | | Special steel | 12 | 5.5 | 0710 178 | 6.50 |
| | | Special steel | 12 | 6 | 0710 179 | 6.50 |
| | | Special steel | 12 | 6.5 | 0710 180 | 6.50 |



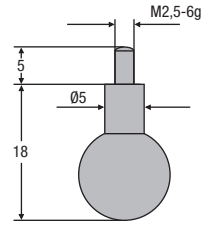

| ⋈ | ◪ | Material | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel | 26 | 0710 168 | 3.30 |
| | | Carbide | 26 | 0710 268 | 10.90 |
| | | Ruby | 26 | 0710 368 | 8.50 |
| | | Sapphire | 26 | 0710 468 | 8.50 |



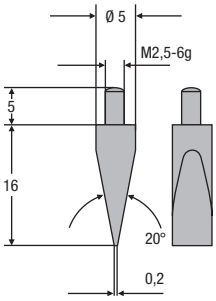
◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

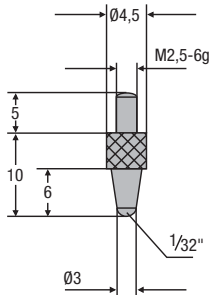
## 0710 Measuring inserts M 2.5



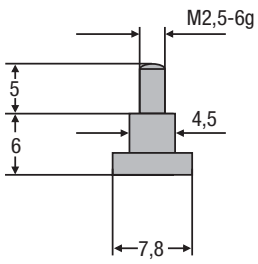

| Material | Length mm | Ball diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| Special steel | 18 | 7 | 0710 181 | 6.50 |
| Special steel | 18 | 7.5 | 0710 182 | 6.50 |
| Special steel | 18 | 8 | 0710 183 | 6.50 |
| Special steel | 18 | 8.5 | 0710 184 | 6.50 |
| Special steel | 18 | 9 | 0710 185 | 6.50 |
| Special steel | 18 | 9.5 | 0710 186 | 6.50 |
| Special steel | 18 | 10 | 0710 187 | 6.50 |
| Special steel | 18 | 10.5 | 0710 188 | 6.50 |
| Special steel | 18 | 11 | 0710 189 | 6.50 |




| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| with locknut | | | |
| Special steel | 16 | 0710 192 | 6.90 |
| Carbide | 16 | 0710 292 | 48.70 |

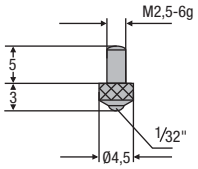



| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 10 | 0710 193 | 3.50 |

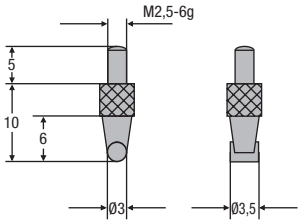



| Material | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Special steel | 6 | 0710 194 | 4.70 |

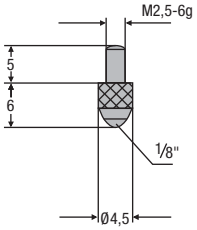
# 0710 Measuring inserts M 2.5




| ⋈ | | Material | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel | 3 | 0710 195 | 1.10 |




| ⋈ | | Material | Length mm | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| with locknut | | | | | | |
| | | Special steel | 10 | 3 x 3.5 | 0710 196 | 7.60 |




| ⋈ | | Material | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel | 6 | 0710 197 | 1.10 |
| | | Carbide | 6 | 0710 297 | 4.50 |
| | | Ruby | 6 | 0710 397 | 6.10 |
| | | Sapphire | 6 | 0710 497 | 6.10 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0715 Dial test indicators



0715 101



0715 201

**Model**

- Carbide tipped measuring inserts, Ø 2.0 mm
- Form A in accordance to DIN 2270
- Revolving dial
- 3-piece swallow tail guide
- Automatic reversal of the counting direction
- Measuring force 0.15 N

**Delivery**

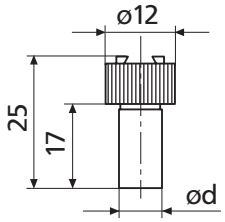
- Fitted case

DIN 2270

| Measuring range mm | Scale graduation value mm | Range per rev. mm | Stylus length mm | Dial reading | Outer ring (Bezel) Ø mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| ± 0.4 | 0.01 | 0.8 | 14.5 | 0-40-0 | 30 | 0715 101 | 77.00 |
| ± 0.4 | 0.01 | 0.8 | 14.5 | 0-40-0 | 40.5 | 0715 103 | 86.00 |
| ± 0.25 | 0.01 | 0.5 | 41.2 | 0-25-0 | 30 | 0715 201 | 121.00 |
| ± 0.1 | 0.002 | 0.2 | 14.5 | 0-100-0 | 40.5 | 0715 303 | 108.00 |
| ± 0.1 | 0.002 | 0.2 | 14.5 | 0-100-0 | 30 | 0715 305 | 103.00 |
| ± 0.5 | 0.01 | 0.5 | 32.3 | 0-50-0 | 40.5 | 0715 307 | 154.00 |



## 0715 Clamping shanks for dial test indicators

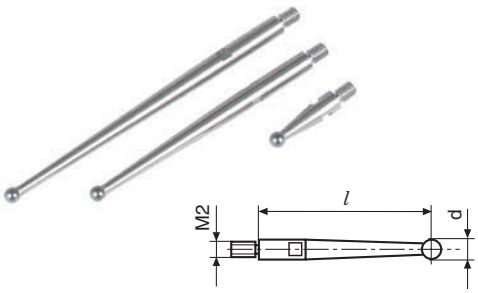



**Model**

- With swallow tail mounting for dial test indicators and clamping nut

| Diameter | Order no. | List price EUR |
|---|---|---|
| 4h6 | 0715 903 | 11.60 |
| 8h6 | 0715 907 | 11.60 |

## 0715 Measuring inserts with carbide ball



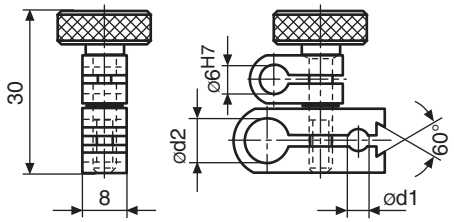

| Length mm | Ball diameter mm | Order no. | List price EUR |
|---|---|---|---|
| 14.5 | 1 | 0715 915 | 16.20 |
| 14.5 | 2 | 0715 917 | 12.80 |
| 14.5 | 3 | 0715 919 | 12.80 |
| 32.3 | 1 | 0715 921 | 17.90 |
| 32.3 | 2 | 0715 922 | 13.50 |
| 32.3 | 3 | 0715 923 | 13.40 |
| 41.2 | 1 | 0715 925 | 16.40 |
| 41.2 | 2 | 0715 926 | 12.80 |
| 41.2 | 3 | 0715 929 | 12.80 |

## 0715 Key for measuring inserts



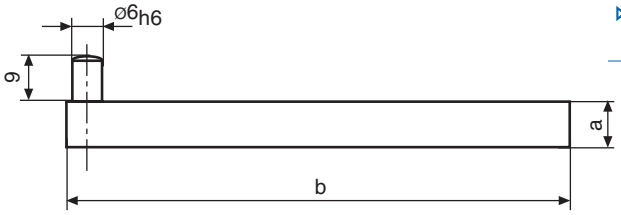
| | | Order no. | List price EUR |
|---|---|---|---|
| | | 0715 940 | 2.40 |

## 0715 Universal clamp




| | | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 8 | 0715 950 | 24.30 |

## 0715 Holder




| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 100 | 9 x 9 | 0715 955 | 15.40 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0716 Dial depth gauges with a measuring base



0716 101



0716 111

**Model**

- Measuring base is made of stainless steel, hardened
- Replacement probe tip M 2.5
- Revolving dial
- Factory standard

**Delivery**

- Cardboard box

| ⋈ | | Measuring range mm | Reading mm | Contact surface mm | Range per rev. mm | Scale dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 0 - 10 | 0.01 | 100 x 15 | 1 | 58 | 0716 101 | 134.00 |
| Concentric pointer | | | | | | | | |
| | | 0 - 30 | 0.01 | 150 x 15 | 1 | 58 | 0716 102 | 196.00 |
| | | 0 - 30 | 0.01 | 100 x 15 | 1 | 58 | 0716 105 | 176.00 |
| Prismatic base | | | | | | | | |
| | | 0 - 30 | 0.01 | 10 x 100 | 1 | 58 | 0716 111 | 259.00 |

## 0716 Depth measuring base for indicators



0716 192

**Model**

- Special steel, chrome plated
- Mounting for indicator Ø 8 mm

**Delivery**

- Cardboard box

| ⋈ | | Contact surface mm x mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 80 x 15 | 0716 192 | 57.00 |
| | | 100 x 15 | 0716 194 | 70.00 |
| | | 150 x 15 | 0716 196 | 90.00 |

# 0718 Dial thickness gauges



0718 101



0718 112

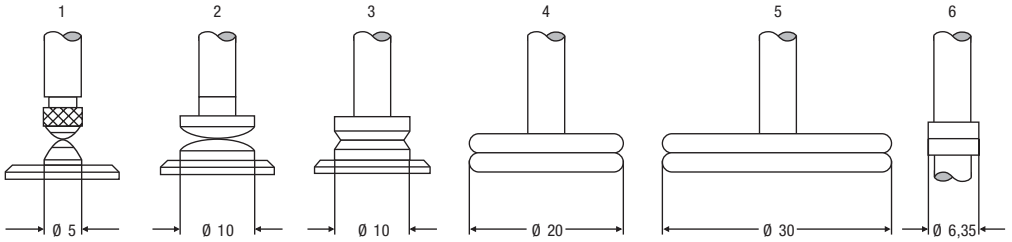


**Model**

- Frame is made of aluminium alloy
- Factory standard
- When ordering please specify the gauge form

**Delivery**

- Cardboard box




Metal sheets, etc,

Hard leather, plywood, fibreboard

Soft leather, cardboard, paper, foils

Rubber fabrics, rubber sheets, felt, soft materials

Hard materials

| ⋈ | ⧄ | Measuring range mm | Reading mm | Frame depth mm | Probe type | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 10 | 0.1 | 15 | 1 / 2 / 3 / 6 | 0718 101 | 48.90 |
| | | 0 - 20 | 0.1 | 50 | 1 - 5 | 0718 104 | 102.00 |
| | | 0 - 30 | 0.1 | 50 | 1 - 5 | 0718 105 | 115.00 |
| | | 0 - 50 | 0.1 | 50 | 1 - 5 | 0718 106 | 175.00 |
| With a lifting device and stand. range per revolution 10 mm | | | | | | | |
| | | 0 - 30 | 0.1 | 200 | 1 - 5 | 0718 108 | 150.00 |
| | | 0 - 30 | 0.1 | 300 | 1 - 5 | 0718 109 | 172.00 |
| | | 0 - 30 | 0.1 | 400 | 1 - 5 | 0718 110 | 192.00 |
| With a lifting wheel and concentric pointers. range per revolution 1 mm | | | | | | | |
| | | 0 - 10 | 0.01 | 18 | 1 / 2 / 3 / 6 | 0718 112 | 97.00 |
| | | 0 - 10 | 0.01 | 45 | 1 / 2 / 3 / 6 | 0718 113 | 111.00 |
| With a lifting device. range per revolution 1 mm | | | | | | | |
| | | 0 - 10 | 0.01 | 50 | 1 - 5 | 0718 115 | 115.00 |



⧄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0720 Dial thickness gauges



0720 102



0720 103



### Model

- With a lifting device
- Factory standard
- Frame is made of alluminium alloy
- Revolution counter

- **Order No. 0720 102**
  Tube wall thickness dial gauge with 2 exchangeable probes
  - with bund radius = 10 mm, dia, 8 mm
  - cylindrical dia. 6 mm
- **Order No. 0720 103**
  Foil thickness measuring gauge, measuring insert dia. 6.35 mm. flat. thermally insulated

### Delivery

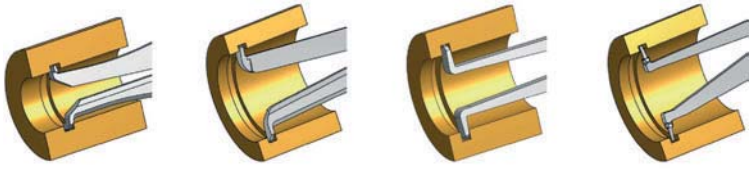
- Cardboard box

| | | Measuring range mm | Reading mm | Range per rev. mm | Frame depth mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Foil thickness dial gauge** | | | | | | | |
| | | 0 - 1 | 0.001 | 0.2 | 30 | 0720 103 | 218.00 |
| **Tube wall thickness dial gauge** | | | | | | | |
| | | 0 - 10 | 0.01 | 1 | 50 | 0720 102 | 153.00 |

# 0721 Internal caliper gauges



0721 120




**Model**

- Protection class IP65

**Delivery**

- Cardboard box

| ⋈ | | Measuring range mm | Measuring depth mm | Reading mm | Error limit mm | For grooves max. depth | For grooves min. width | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| **Contact point type „A“, cutting (chisel) radius 0.1 mm** | | | | | | | | | |
| | | 2.5 - 12.5 | 12 | 0.005 | 0.015 | 0.7 | 0.6 | 0721 100 | 491.00 |
| **Contact point type „B“, carbide ball Ø 0.6 mm** | | | | | | | | | |
| | | 5 - 15 | 35 | 0.005 | 0.015 | 2.2 | 0.8 | 0721 101 | 491.00 |
| **Contact point type „B“, carbide ball Ø 1.0 mm** | | | | | | | | | |
| | | 10 - 30 | 85 | 0.01 | 0.03 | 5.2 | 1.2 | 0721 120 | 509.00 |
| **Contact point type „C“, carbide ball Ø 1.0 mm** | | | | | | | | | |
| | | 20 - 40 | 85 | 0.01 | 0.03 | 7 | 1.2 | 0721 121 | 509.00 |
| | | 30 - 50 | 85 | 0.01 | 0.03 | 7 | 1.2 | 0721 122 | 509.00 |
| **Contact point type „D“, carbide ball Ø 1.0 mm** | | | | | | | | | |
| | | 40 - 60 | 85 | 0.01 | 0.03 | 8.3 | 1.2 | 0721 123 | 509.00 |
| | | 50 - 70 | 85 | 0.01 | 0.03 | 8.3 | 1.2 | 0721 124 | 526.00 |
| | | 60 - 80 | 85 | 0.01 | 0.03 | 8.3 | 1.2 | 0721 125 | 526.00 |
| | | 70 - 90 | 85 | 0.01 | 0.03 | 8.3 | 1.2 | 0721 126 | 526.00 |
| | | 80 - 100 | 85 | 0.01 | 0.03 | 8.3 | 1.2 | 0721 127 | 526.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0721 External caliper gauges



0721 144

**Model**

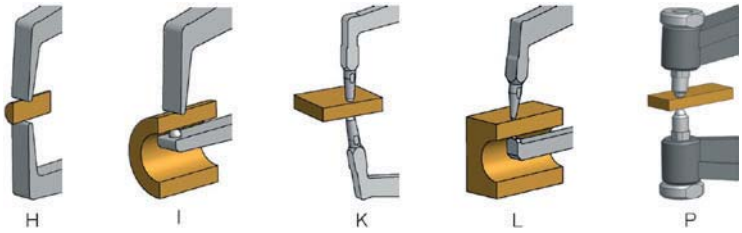
- Protection class IP65

**Delivery**

- Cardboard box



0721 149




| ⋈ | | Measuring range mm | Measuring depth mm | Reading mm | Error limit mm | Contact point length moving mm | Contact point length fixed mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| Contact point type „P“, carbide ball Ø 5.0 mm | | | | | | | | | |
| | | 0 - 10 | 36 | 0.1 | 0.1 | 5 | 5 | 0721 140 | 139.00 |
| Contact point type „H“, cutting chisel radius 0.4 mm | | | | | | | | | |
| | | 0 - 10 | 35 | 0.005 | 0.015 | 18.8 | 18.8 | 0721 141 | 491.00 |
| Contact point type „I“, fixed arm, carbide ball Ø 1.5 mm, moving arm. cutting (chisel) radius R = 0.4 mm | | | | | | | | | |
| | | 0 - 10 | 35 | 0.005 | 0.015 | 18.8 | 0.9 | 0721 142 | 491.00 |
| Contact point type „K“, carbide ball Ø 1.5 mm | | | | | | | | | |
| | | 0 - 10 | 35 | 0.005 | 0.015 | 19.1 | 18.6 | 0721 143 | 491.00 |
| | | 0 - 20 | 85 | 0.01 | 0.03 | 24.6 | 24.6 | 0721 144 | 491.00 |
| Contact point „L“ carbide ball Ø 1.5 mm, 1 straight probe arm | | | | | | | | | |
| | | 0 - 20 | 80 | 0.01 | 0.03 | 24.7 | 2.5 | 0721 145 | 491.00 |
| Contact point type „K“, carbide ball Ø 3.0 mm | | | | | | | | | |
| | | 0 - 50 | 167 | 0.05 | 0.05 | 30 | 30 | 0721 148 | 748.00 |
| Contact point „L“ carbide ball Ø 3.0 mm, 1 straight probe arm | | | | | | | | | |
| | | 0 - 50 | 169 | 0.05 | 0.05 | 30 | 4.6 | 0721 149 | 748.00 |

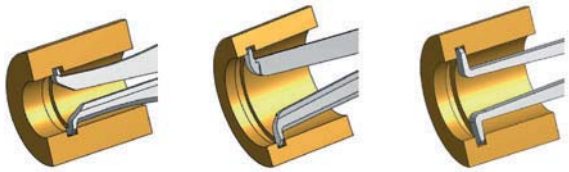
## 0721 Digital internal caliper gauges




0721 732




0721 738



A B C

### Model

- Protection class IP67

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- TOL (tolerance value input)
- Data output

### Delivery

- Cardboard box

| ⋈ | | Measuring range mm | Measuring depth mm | Reading mm | Error limit mm | For grooves max. depth mm | For grooves min. width mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| **Contact point type „B“, carbide ball Ø 0.6 mm** | | | | | | | | | |
| | | 5 - 15 | 35 | 0.005 | 0.015 | 2.3 | 0.8 | 0721 731 | 526.00 |
| **Contact point type „C“, carbide ball Ø 1.0 mm** | | | | | | | | | |
| | | 10 - 30 | 85 | 0.01 | 0.03 | 5.2 | 1.2 | 0721 732 | 526.00 |
| | | 20 - 40 | 85 | 0.01 | 0.03 | 7 | 1.2 | 0721 733 | 526.00 |
| | | 30 - 50 | 85 | 0.01 | 0.03 | 7 | 1.2 | 0721 734 | 526.00 |
| **Contact point type „C“, carbide ball Ø 1.3 mm** | | | | | | | | | |
| | | 13 - 43 | 127 | 0.02 | 0.04 | 5.7 | 1.6 | 0721 738 | 670.00 |
| **Contact point type „D“, carbide ball Ø 2.0 mm** | | | | | | | | | |
| | | 50 - 80 | 132 | 0.02 | 0.04 | 8.3 | 2.4 | 0721 739 | 670.00 |
| **Contact point type „C“, carbide ball Ø 1.5 mm** | | | | | | | | | |
| | | 15 - 65 | 188 | 0.02 | 0.06 | 5.5 | 1.9 | 0721 740 | 925.00 |



Marked ▪ = excess length/excess weight

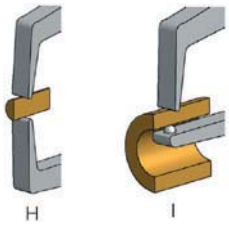
Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0721 Digital external caliper gauges




0721 745





H I

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Data output

### Delivery

- Cardboard box

| ⋈ | | Measuring range mm | Measuring depth mm | Reading mm | Error limit mm | Contact point length moving | Contact point length fixed | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| **Contact point type „K“, carbide ball Ø 1.5 mm** | | | | | | | | | |
| | | 0 - 20 | 85 | 0.01 | 0.03 | 24.6 | 24.6 | 0721 741 | 526.00 |
| **Contact point type „K“, carbide ball Ø 3.0 mm** | | | | | | | | | |
| | | 0 - 30 | 116 | 0.02 | 0.04 | 30 | 30 | 0721 745 | 670.00 |
| | | 0 - 50 | 167 | 0.02 | 0.05 | 30 | 30 | 0721 747 | 925.00 |
| **Contact point „L“ carbide ball Ø 3.0 mm, straight lower probe arm** | | | | | | | | | |
| | | 0 - 30 | 116 | 0.02 | 0.04 | 30 | 4 | 0721 746 | 670.00 |

## 0721 Accessories for caliper gauges




0721 785

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Data interface (adapter and cable) for Digimatic | 0721 785 | 140.00 |
| | | Data interface (adapter and cable) for USB | 0721 786 | 140.00 |

**When placing an order, please specify the oder no. and the type of the caliper gauge.**

## 0724 Internal bore gauges for blind holes



**Model**

- 2 point comparator measuring instrument for measuring at the bottom of the bore
- Holder, measuring slides and contact pin carbide tipped
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges

**Delivery**

- Wooden case
- Excludes dial gauge

NEW

| ⋈ | | Measuring range mm | Front distance mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 20 - 50 | 1.5 | 0724 504 | 895.00 |
| | | 50 - 110 | 1.5 | 0724 508 | 870.00 |
| | | 110 - 300 | 2 | 0724 522 | 1215.00 |
| | | 300 - 600 | 2 | 0724 530 | 2675.00 |

## 0724 Holder for internal bore gauges 0724

| ⋈ | | For measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 20 - 50 | 0724 904 | 750.00 |
| | | 50 - 110 | 0724 908 | 775.00 |
| | | 110 - 300 | 0724 922 | 895.00 |
| | | 300 - 600 | 0724 930 | 1180.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0726 Internal precision bore gauges, set for smaller bores



0726 310

**Model**

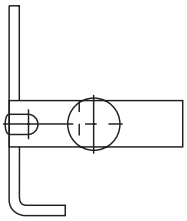
- 2 point comparator measuring instrument with split probe + measuring pin
- Excludes a dial gauge
- Without setting ring
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges

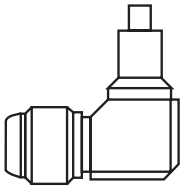
**Delivery**

- Wooden case

| Effective measuring range mm | Nominal meas. range mm | Measuring depth mm | Number of measuring probes pcs | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Hardened chrome finished probe** | | | | | |
| 4.15 - 7.8 | 4.5 - 7.5 | 41 | 7 | 0726 310 | 665.00 |
| 7.7 - 12.5 | 8.0 - 12.0 | 45 | 6 | 0726 311 | 681.00 |
| 4.15 - 12.5 | 4.5 - 12.0 | 41 | 13 | 0726 312 | 1081.00 |
| 12.2 - 20.6 | 13.0 - 20.0 | 45 | 8 | 0726 313 | 779.00 |
| **Carbide tipped probe** | | | | | |
| 0.95 - 1.55 | 1.0 - 1.4 | 13 | 5 | 0726 500 | 670.00 |
| 1.5 - 4.2 | 1.75 - 4.0 | 17 | 10 | 0726 501 | 956.00 |
| 0.95 - 4.2 | 1.0 - 4.0 | 13 | 15 | 0726 502 | 1486.00 |
| 4.15 - 7.8 | 4.5 - 7.5 | 41 | 7 | 0726 510 | 1018.00 |
| 7.7 - 12.5 | 8.0 - 12.0 | 45 | 6 | 0726 511 | 971.00 |
| 4.15 - 12.5 | 4.5 - 12.0 | 41 | 13 | 0726 512 | 1818.00 |
| 12.2 - 20.6 | 13.0 - 20.0 | 45 | 8 | 0726 513 | 1122.00 |

## 0726 Accessories for 0726





| For measuring range mm | Order no. | List price EUR |
|---|---|---|
| **Clamp with depth stop** | | |
| 1 - 4 | 0726 122 | 143.00 |
| 4.5 - 9 | 0726 123 | 131.00 |
| 10 - 20 | 0726 124 | 124.00 |
| **Angle probe 90°** | | |
| 1 - 20 | 0726 130 | 227.00 |

## 0726 Set of setting rings

| For measuring range mm | Number of devices pcs | Order no. | List price EUR |
|---|---|---|---|
| 1 - 1.4 | 5 | 0726 300 | 292.00 |
| 8 - 12 | 6 | 0726 301 | 293.00 |
| 1 - 4 | 15 | 0726 302 | 930.00 |
| 4.5 - 12 | 13 | 0726 303 | 660.00 |
| 13 - 20 | 8 | 0726 304 | 410.00 |
| 1.75 - 4 | 10 | 0726 305 | 504.00 |
| 4.5 - 7.5 | 7 | 0726 306 | 327.00 |

## 0728 Internal precison bore gauges for large and deep bores

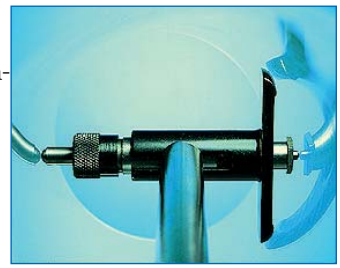


**Model**

- 2 point comparator measuring instrument with split probe + measuring pin
- Centering plate
- Mounting hole Ø 8 mm
- Ideal in conjunction with dial gauges or dial comparator gauges

**Delivery**

- Wooden case



| ⋈ | | Measuring range mm | Repeatability µm | Measuring depth mm | Measuring pins pcs | Measuring discs pcs | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Fixed measuring pins, hardened special steel, interchangeable contact pins carbide tipped** | | | | | | | | |
| | | 18 - 35 | 0.5 | 110 | 9 | 2 | 0728 105 | 379.00 |
| | | 35 - 60 | 0.5 | 138 | 7 | 2 | 0728 106 | 369.00 |
| | | 50 - 100 | 0.5 | 177 | 11 | 3 | 0728 107 | 421.00 |
| | | 100 - 160 | 0.5 | 234 | 7 | 4 | 0728 108 | 587.00 |
| | | 160 - 290 | 0.5 | 234 | 7 | 4 | 0728 109 | 847.00 |
| | | 280 - 510 | 1.5 | 400 | 7 | 4 | 0728 110 | 2000.00 |
| **Fixed measuring pins and interchangeable contact pins, both pins are carbide tipped** | | | | | | | | |
| | | 4.5 - 6 | 0.5 | 80 | 9 | - | 0728 201 | 966.00 |
| | | 6 - 8 | 0.5 | 100 | 7 | - | 0728 202 | 691.00 |
| | | 8 - 12 | 0.5 | 100 | 9 | - | 0728 203 | 644.00 |
| | | 12 - 20 | 0.5 | 110 | 9 | 1 | 0728 204 | 447.00 |
| | | 18 - 35 | 0.5 | 110 | 9 | 2 | 0728 205 | 452.00 |
| | | 35 - 60 | 0.5 | 138 | 7 | 2 | 0728 206 | 431.00 |
| | | 50 - 100 | 0.5 | 177 | 11 | 3 | 0728 207 | 504.00 |
| | | 100 - 160 | 0.5 | 234 | 7 | 4 | 0728 208 | 655.00 |
| | | 160 - 290 | 0.5 | 234 | 7 | 4 | 0728 209 | 868.00 |
| | | 280 - 510 | 1.5 | 400 | 7 | 4 | 0728 210 | 2047.00 |

## 0728 Setting device for internal precison bore gauges



**Model**

- Setting device for accurate adjustment of internal precision bore gauges to the required nominal dimension, with gauge blocks
- The setting jaws are made of carbide and are lapped to gauge block quality
- Setting device can be used in both, the vertical and horizontal measuring axis

**Delivery**

- Wooden case
- Incl. stand (excludes gauge blocks)

| ⋈ | | For measuring range mm | Error limit µm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 4.5 - 160 | 2 | 0728 910 | 1195.00 |
| | | 18 - 290 | 2 | 0728 915 | 1184.00 |
| | | 160 - 510 | 2 | 0728 920 | 1714.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0735 Crankshaft gauges





**Model**

- With dial gauge
- To be positioned between 2 crank arms
- Centre punch is not required
- Horizontal position of the dial gauge is assured with a plumb bob

**Delivery**

- Wooden case

| ⋈ | | Measuring range mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 45 - 150 | 0.01 | 0735 101 | 392.00 |
| | | 60 - 300 | 0.01 | 0735 102 | 353.00 |
| | | 60 - 500 | 0.01 | 0735 103 | 410.00 |

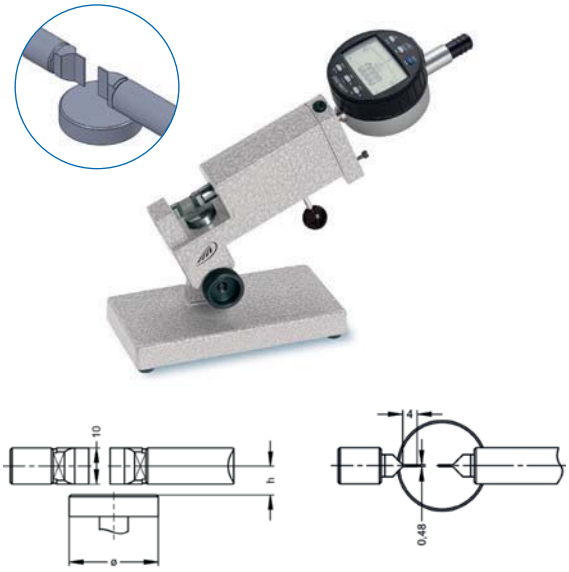
## 0735 Replacement gauge for 0735

**Model**

- For oder no. 0735 102 and 0735 103

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0735 902 | 179.00 |

## 0736 Length measuring instruments for external incisions



**Model**

- Ideal for serial measurements of incision diameters on turned parts
- Narrow measuring faces
- High precision ball guide of the transmission bolt
- Round support table. height adjustable. clamped for setting the exact measuring position
- Heavy stand
- Base unit in the angular grid 0° / 30° / 60° / 90°
- Titled and clamped
- Support for indicators with shaft Ø 8 mm
- Display devices: analogue and digital indicators
- Versions with other measuring inserts are available upon request

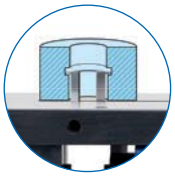
**Delivery**

- Cardboard box
- Without digital indicator (optional)

| ⋈ | | Measuring range mm | Size of table dia. mm | Dimensions h mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 0 - 10 | 25 mm | 8 | 0736 101 | 904.00 |
| | | 0 - 25 | 38 mm | 13 | 0736 102 | 975.00 |
| | | 25 - 50 | 50 mm | 35 | 0736 103 | 1044.00 |

## 0737 Length measuring instrument for internal incisions





**Model**

- Ideal for serial measurements of internal incision diameters
- High precision probe guideance with a constant measuring force
- Adjust the height with a gauge block
- Set the diameter with a setting ring
- Measuring table plate size 110 x 73 mm
- Mounting hole Ø 8 mm
- Ideal for analogue and digital dial gauges as well as electronic probes
- Optional angled probes made of hardened steel

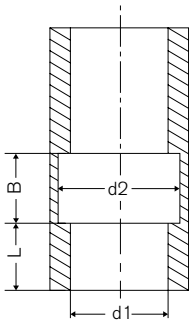
**Delivery**

- Cardboard box
- Without indicator (optional)
- Without pair of measuring probes (optional)

| ⋈ | | Measuring range internal mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 4 - 56 | 0737 101 | 880.00 |

## 0737 Measuring probes (pair) made of hardened steel for 0737





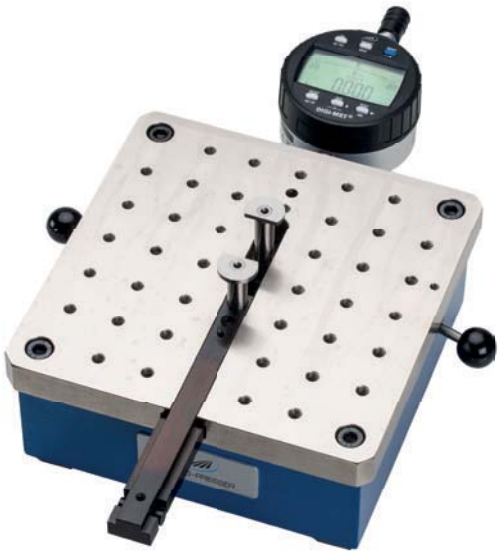

| ⋈ | | For bore dia. „d1“ mm | Adjustable meas. height „L“ mm | Min. groove width „B“ mm | Max. incision dia. „d2“ mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 4 - 28 | 0 - 8 | 0.74 | d1 + 2 | 0737 121 | 87.00 |
| | | 6.5 - 30 | 0 - 10 | 1.00 | d1 + 4 | 0737 122 | 87.00 |
| | | 13 - 38 | 0 - 18 | 1.20 | d1 + 2 | 0737 123 | 87.00 |
| | | 20.5 - 51 | 0 - 25 | 1.20 | d1 + 4 | 0737 124 | 87.00 |



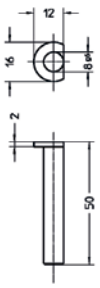
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

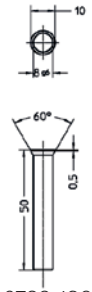
## 0739 Universal comparator gauge



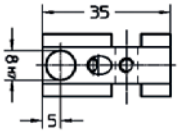




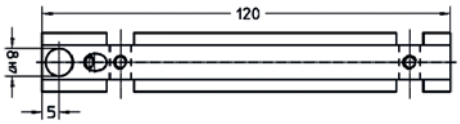
0739 124



0739 126



0739 164



0739 165

### Model

- To determine internal and external diameters of recesses, grooves and undercuts in comparision measurement
- Measurement procedure: The part to be measured is determined at the point of reversal between a fixed and moveable measuring insert
- Select either an analogue or digital indicator to show your measuring results
- Sturdy construction
- Simple to set up and easy to operate
- Large range of application
- Ideal for serial measurements
- Optional: Special supporting table is interchangeable
- Repeatability: 2 µm
- Mounting hole for a dial gauge: Ø 8 mm

### Delivery

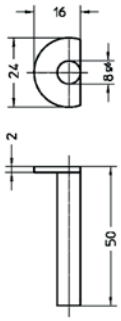
- Without digital indicator (optional)
- Incl. Pair of measuring inserts 0739 126 and 0739 124
- Incl. holder for measuring inserts 0739 164 and 0739 165
- In a practical aluminium case

| | | Measuring range | | Base dimensions | Order no. | List price |
|---|---|---|---|---|---|---|
| | | external mm | internal mm | mm | | EUR |
| | | 0 - 180 | 21 - 200 | 150 x 150 x 68 | 0739 102 | 1708.00 |

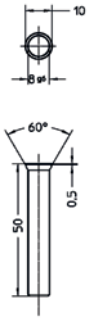
# 0739 Measuring probes




0739 124




0739 125

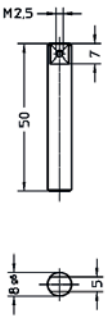



0739 126

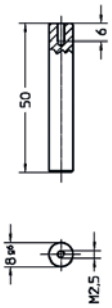
| ⋈ | ⚖ | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Probe pair | 0739 124 | 103.00 |
| | | Probe pair | 0739 125 | 107.00 |
| | | Probe pair | 0739 126 | 61.00 |
| | | Pair of probe holders | 0739 127* | 98.00 |
| | | Pair of probe holders | 0739 128* | 61.00 |
| | | Pair of probe holders | 0739 129* | 118.00 |
| | | Probe pair | 0739 130 | 99.00 |
| | | Small probe pair | 0739 131** | 107.00 |
| | | Holder pair for 0739131 | 0739 132 | 142.00 |

* For further information regarding probes Ref. No. 0739 127 to 0739 129 see Ref. No. 0710 starting on page 137

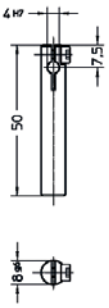
** Required holder No. 0739 132



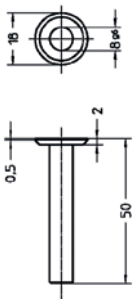

0739 127



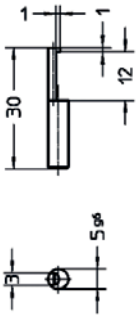

0739 128



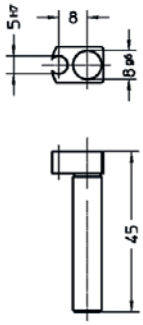

0739 129




0739 130

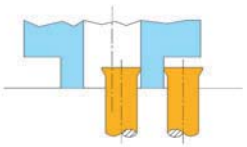



0739 131

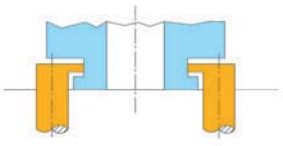



0739 132

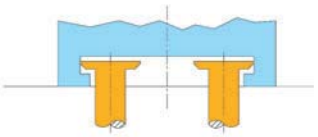
## Application examples:



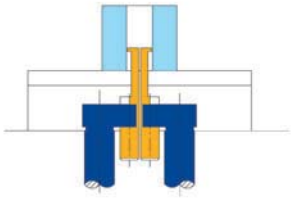
0739 126



0739 124

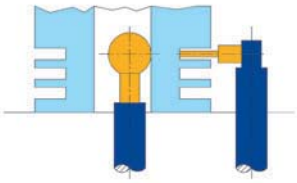


0739 130



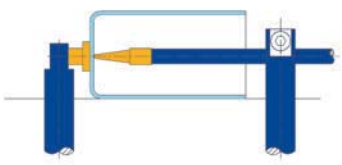
0739 131

0739 132



0739 127*

0739 128*



0739 127*

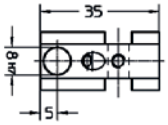
0739 129*



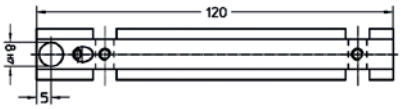
⚖ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0739 Holder for measuring inserts short / long



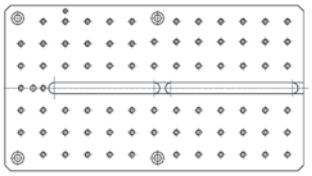
0739 164



0739 165

| Description | Length mm | Order no. | List price EUR |
|---|---|---|---|
| Holder, short | 35 | 0739 164 | 37.00 |
| Holder, long | 120 | 0739 165 | 45.70 |

## 0739 Large supporting table



**Model**

- Made of special steel with wear resistant surface coating
- Equipped with thread bore M5 in grid to attach stop elements
- Internal measurement: 21 - 220 mm
- External measurement: 0 - 300 mm

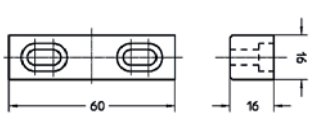
**Delivery**

- With leg support to screw

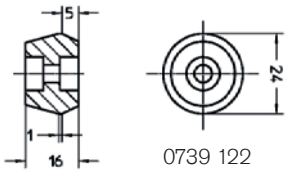
| Size of table mm | Order no. | List price EUR |
|---|---|---|
| 269 x 149 | 0739 170 | 183.00 |

## 0739 Stop pieces

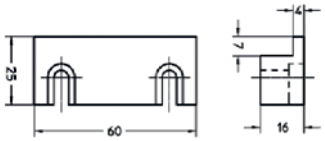
| Description | Length mm | Width mm | Diameter mm | Dimensions h mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| Stop cuboid | 60 | 16 | | 16 | 0739 121 | 87.00 |
| Stop disc | | | 24 | 16 | 0739 122 | 99.00 |
| Stop stepped cuboid | 60 | 25 | | 16 | 0739 123 | 90.00 |



0739 121

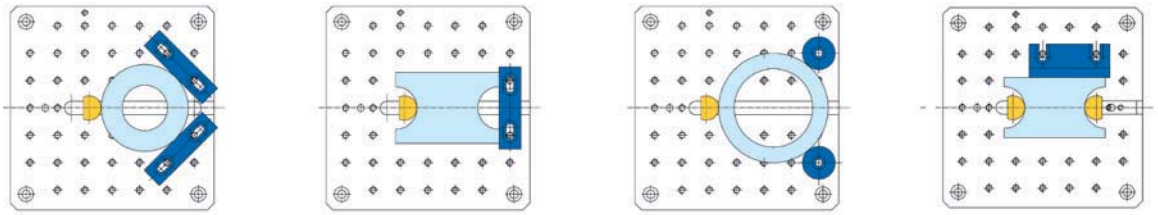


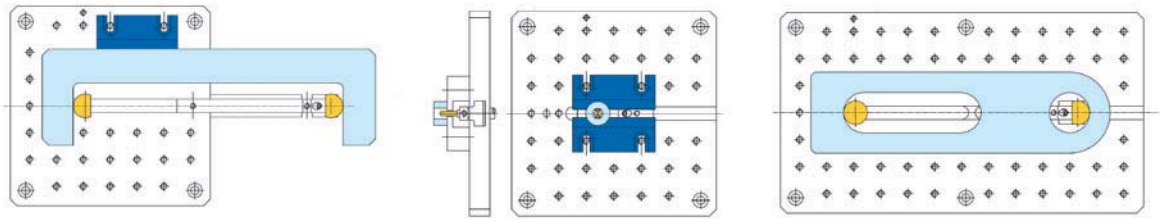
0739 122



0739 123

**Application examples:**

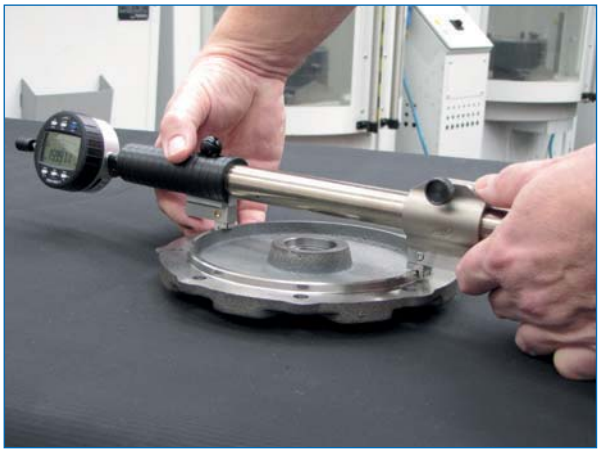




= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0741 Universal comparator gauge UHRTAST













Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0741 Comparator gauge UHRTAST



### Model

- Comparator gauge for **external and internal measurements** for checking workpieces and setting of machines
- Versatile in use due to wide range of probes and inserts
- Measuring range up to 2000 mm by using optional extensions
- Without indicator
- The direction of the measuring force can be switched, the gauge can be used for external and internal measurements
- The adjustment can be conducted with a setting gauge, a combination of gauge blocks, setting ring or a micrometer
- The measuring range of the moveable measuring arm is 18 mm

### Delivery

- Wooden case
- Basic instrument without digital indicator., measuring arms and measuring probes (optional)

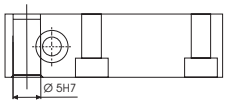
Product video

| Measuring range | | Measuring force | Order no. | List price |
|---|---|---|---|---|
| external mm | internal mm | N | | EUR |
| 5 - 220 | 15 - 230 | 10 | 0741 101 | 1787.00 |

## 0741 Pair of probe mounting block








| Order no. | List price EUR |
|---|---|
| 0741 170 | 164.00 |

## 0741 Extensions



0741 112



0741 114

### Model

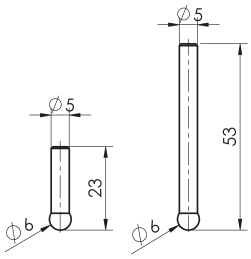
- Combinable with the basic instrument and further extensions by sticking together the pipe construcion

| Length mm | Order no. | List price EUR |
|---|---|---|
| 100 | 0741 112 | 249.00 |
| 200 | 0741 114 | 264.00 |
| 500 | 0741 116 | 403.00 |

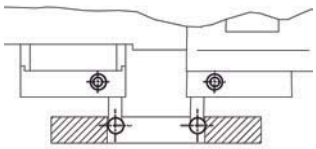
## 0741 Measuring inserts



0741 178

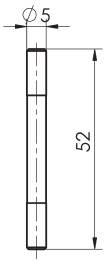



| ⋈ | | Length mm | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 23 | 6 | 0741 178 | 110.00 |
| | | 53 | 6 | 0741 179 | 110.00 |

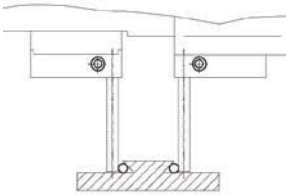


## 0741 Measuring inserts



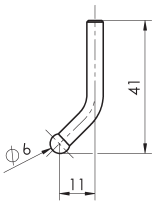



| ⋈ | | Length mm | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 52 | 5 | 0741 180 | 110.00 |

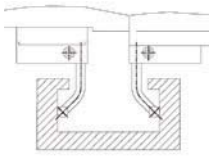


## 0741 Pair of offset measuring inserts





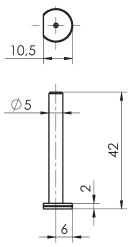

| ⋈ | | Length mm | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 41 | 6 | 0741 182 | 183.00 |

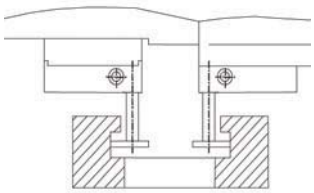


## 0741 Pair of measuring inserts with discs



| ⋈ | | Length mm | Width mm | Diameter mm | Dimensions h mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 42 | 10.5 | 12 | 2 | 0741 176 | 110.00 |



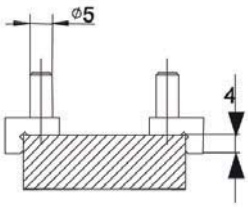


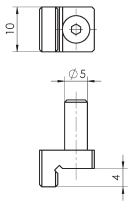
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0741 Measuring inserts





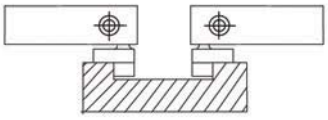

**Model**

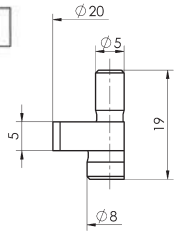
- For measuring external central points

| Order no. | List price EUR |
|---|---|
| 0741 172 | 196.00 |

## 0741 Pair of shoulder measuring inserts





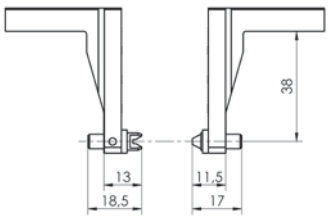


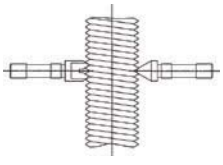

**Model**

- For measuring internal central points

| Order no. | List price EUR |
|---|---|
| 0741 174 | 160.00 |

## 0741 Pairs of thread measuring inserts for metric external thread



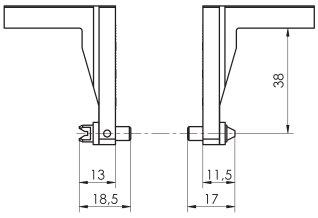



**Model**

- Thread measuring inserts for external thread, metric pitch in pairs

| Thread pitch mm | Order no. | List price EUR |
|---|---|---|
| 0.35 | 0741 140 | 184.00 |
| 0.4 - 0.45 | 0741 141 | 104.00 |
| 0.5 - 0.6 | 0741 142 | 104.00 |
| 0.7 - 0.8 | 0741 143 | 104.00 |
| 1.0 - 1.25 | 0741 144 | 104.00 |
| 1.5 - 1.75 | 0741 145 | 104.00 |
| 2.0 - 2.5 | 0741 146 | 104.00 |
| 3.0 - 3.5 | 0741 147 | 104.00 |
| 4.0 - 5.0 | 0741 148 | 104.00 |
| 5.5 - 6.0 | 0741 149 | 104.00 |

## 0741 Pairs of thread measuring inserts for metric internal thread




**Model**

- Thread measuring inserts for internal thread, metric pitch in pairs

| Thread pitch mm | Order no. | List price EUR |
|---|---|---|
| 1.0 - 1.25 | 0741 163 | 210.00 |
| 1.5 - 1.75 | 0741 164 | 210.00 |
| 2.0 - 2.5 | 0741 165 | 210.00 |
| 3.0 - 3.5 | 0741 166 | 210.00 |
| 4.0 - 5.0 | 0741 167 | 210.00 |
| 5.5 - 6.0 | 0741 168 | 210.00 |

## 0741 Pairs of measuring arms







**Model**

- For mounting of adapter pieces and inserts with shaft-Ø 5 mm and Ø 3.5
- With lasered help rule (mm-divide) as position help for the depth stop pieces

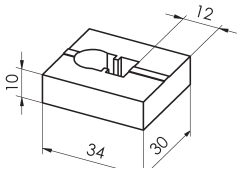
| ⋈ | ⁄ | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 40 | 0741 122 | 259.00 |
| | | 80 | 0741 124 | 311.00 |

## 0741 Pair of depth stop attachment for measuring arms



**Model**

- To slide on measuring arms
- Can be clamped with grub screw



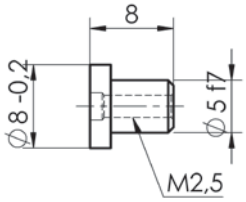

| ⋈ | ⁄ | Length mm | Width mm | Height mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 34 | 30 | 10 | 0741 136 | 241.00 |

## 0741 Pair of adapters 5 mm for measuring inserts M2.5



**Model**

- All measuring inserts for dial gauges with M2.5 can be used (measuring inserts please refer to pages 137-140)




| ⋈ | ⁄ | Order no. | List price EUR |
|---|---|---|---|
| | | 0741 132 | 84.00 |

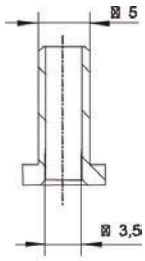


⁄ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0741 Pair of adapters for thread measuring inserts (pair)






**Model**

- Adapter for thread measuring inserts with a long shank (length 13.5 mm)

| Order no. | List price EUR |
|---|---|
| 0741 134 | 146.00 |

## 0741 Measuring table



**Model**

- Practical accessories to rebuild the UHRTAST to a fixed measuring device

**Delivery**

- Cardboard box

| Size of tabe mm | Order no. | List price EUR |
|---|---|---|
| Ø 180 | 0741 184 | 623.00 |

3

## 0753 Universal indicator stands with magnetic base



0753 110



0753 120

**Model**

- Chrome finished columns
- Base with V-groove
- Magnet with ON/OFF switch
- Mounting clamp: Ø 8 mm for indicators
- Integrated fine adjustment

**Delivery**

- Cardboard box

| ⋈ | | Projection mm | Column height mm | Column dia. mm | Arm dia. mm | Base dimensions mm | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | 140 | 230 | 16 | 12 | 60 x 50 x 55 | 500 | 0753 110 | 23.90 |
| | | 180 | 285 | 16 | 16 | 70 x 46 x 65 | 600 | 0753 120 | 59.00 |



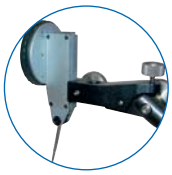
Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0750 Universal indicator stands with magnetic base and combi clamp



0750 101





**Model**

- Chrome plated columns
- Base with V-groove
- Magnet with ON/OFF switch
- Combi clamp: Ø 8 mm for dial gauges. swallow tail clamp for dial test indicators
- Intergrated fine adjustment

**Delivery**

- Cardboard box

| Accessories | Order no. | List price EUR |
|---|---|---|
| wooden case for magnet - measuring support | 0750 601 | 24.10 |

| | | Projection mm | Column height mm | Column dia. mm | Arm dia. mm | Base dimensions | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| Crosshead clamp | | | | | | | | | |
| | | 180 | 285 | 16 | 16 | 70 x 46 x 65 | 600 | 0750 101 | 134.00 |
| | | 180 | 500 | 20 | 16 | 75 x 60 x 102 | 800 | 0750 102 | 179.00 |

## 0750 Pillar with transverse arm and fine adjustment



**Model**

- Chrome plated column and transverse bar
- Mounting for indicator:
  - shank mounting Ø 8 mm for dial gauges
  - swallow tail clamp for dial test indicators
- Integrated fine adjustment

| | | Thread | Projection mm | Column height mm | Column dia. mm | Arm dia. mm | Description | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | M10 | 180 | 285 | 16 | 16 | for 0750 101 | 0750 121 | 82.00 |
| | | M12 | 180 | 500 | 20 | 16 | for 0750 102 | 0750 122 | 92.00 |

## 0750 Magnetic base



0750 111

**Model**

- Magnetic base with V-groove
- Cling to flat and cylindric parts
- Magnetic force can be switched On / Off by rotary switch can

| | | Thread | Base dimensions | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | M10 | 70 x 46 x 65 | 600 | 0750 111 | 57.00 |
| | | M12 | 75 x 60 x 80 | 800 | 0750 112 | 105.00 |

## 0751 Magnetic indicator stands with flexible arm



0751 103



0751 104

### Model

- **0751 103:**
  - with flexible arm
  - holding force by rope tension on hinge segments
  - switch magnetic base
- **0751 104:**
  - fixed column
  - with fine adjustment
  - flexible transverse arm
  - switch magnetic base

### Delivery

- Cardboard box

| ⋈ | ◪ | Column height mm | Column dia. mm | Base dimensions mm | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Heavy duty stand** | | | | | | | |
| | | 350 | - | 70 x 45 x 65 | 600 | 0751 103 | 113.00 |
| **Clamping via. the star knob screw** | | | | | | | |
| | | 350 | 16 | 70 x 45 x 65 | 600 | 0751 104 | 132.00 |

## 0754 Universal magnetic holder



### Model

- Magnetic base with V-groove
- With mounting hole Ø 8 mm
- Three-sided magnet

### Delivery

- Cardboard box

| ⋈ | ◪ | Column height mm | Base dimensions mm | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 57 | 70 x 35 | 260 | 0754 101 | 95.00 |



◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0752 Magnetic indicator stands with central lock



0752 101



0752 103



### Model

- Column / Arm:
  - 0752 101 steel, chrome finished
  - 0752 103 aluminium, anodized
- Switch magnetic base with V-groove
- Central magnetic clamping system
- **Combi clamp:** Ø 8 mm for dial gauges, swallow tail clamp for dial test indicators
- Intergrated fine adjustment

### Delivery

- Cardboard box

| | | Projection mm | Column height mm | Column dia. mm | Base dimensions mm | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 260 | 310 | 10 | 70 x 46 x 65 | 600 | 0752 101 | 138.00 |
| | | 320 | 370 | 18 | 70 x 46 x 65 | 600 | 0752 103 | 177.00 |

## 0756 Universal magnetic holder



### Model

- Cast iron base with two magnets on the bottom of the holder
- With mounting hole Ø 8 mm

### Delivery

- Cardboard box

| | | Column height mm | Base dimensions mm | Magnetic force N | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 45 | 72 x 37 | 180 | 0756 101 | 57.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0770 Compact measuring stands



0770 102



0770 103



0770 201

**Model**

- Cast base
- Chrome finished columns
- Hardened steel table
- With dust grooves (Order No. 0770 102 non-stop plane)
- With mounting hole for dial gauges Ø 8 mm

**Delivery**

- Cardboard box

| ⋈ | | Measuring height mm | Projection mm | Size of table mm | Column dia. mm | Arm dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **With fixed arm** | | | | | | | | |
| | | 100 | 49 | Ø 50 | 22 | - | 0770 102 | 169.00 |
| | | 100 | 49 | 60 x 68 | 22 | - | 0770 103 | 214.00 |
| **With adjustable transverse arm** | | | | | | | | |
| | | 100 | 100 | 60 x 68 | 22 | 18 | 0770 201 | 216.00 |
| | | 150 | 135 | 98 x 115 | 28 | 20 | 0770 205 | 335.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0772 Measuring stand



**Model**

- Cast base
- Hardened steel table
- With dust grooves
- With a threaded column and an adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm

**Delivery**

- Cardboard box

| | | Measuring height mm | Projection mm | Size of table mm | Column dia. mm | Arm dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 160 | 200 | 170 x 215 | 35 | 22 | 0772 024 | 728.00 |

## 0785 Precision measuring stands



**Model**

- Base made of hard stone
- Base plate accuracy according to DIN 876-00
- With a threaded column
- With adjustable transverse arm
- With mounting hole for dial gauges Ø 8 mm
- Vertical adjustment by threaded spindle with setting ring

**Delivery**

- Cardboard box

| | | Measuring height mm | Projection mm | Size of table mm | Column dia. mm | Arm dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 200 | 200 | 150 x 260 | 35 | 22 | 0785 108 | 613.00 |
| | ▪ | 220 | 220 | 300 x 350 | 35 | 22 | 0785 109 | 1502.00 |
| Anti-twist (secured against rotation) transverse arm | | | | | | | | |
| | ▪ | 220 | 220 | 300 x 350 | 35 | 22 | 0785 110 | 1727.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 0763 Universal measuring support



### Model

- Column and transverse arm chrome plated
- Column is moving and can be clamped in the T-groove
- Heavy base plate with prismatic base and T-groove
- Mounting for display devices:
  - support for indicators with shaft Ø 8 mm, swallow tail clamp for dial test indicators
- Integrated fine adjustment

### Delivery

- Cardboard box

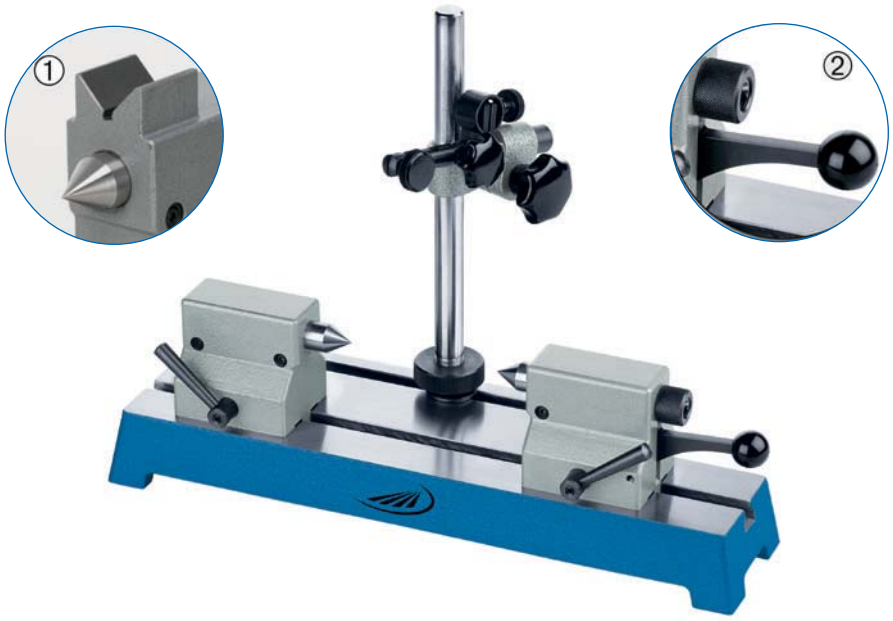
| ⋈ | | Projection mm | Column height mm | Column dia. mm | Arm dia. mm | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | | 180 | 300 | 16 | 16 | 250 x 60 x 35 | 0763 100 | 268.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0780 Bench centres






### Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right tailstock with retractable spring mounted centre, free lift appr. 10 mm
- Tailstocks can be clamped via an eccentric clamp
- Tailstock height 75 mm with integrated V-groove support
- Quick-clamping device by clamping lever
- With T-groove and support column
- With mounting hole for dial gauges Ø 8 mm

### Delivery

- Cardboard box

| ⋈ | | Height of centers | Workpiece load | Distance between centres | Centre dia. | T-groove width | Base | Order no. | List price |
|---|---|---|---|---|---|---|---|---|---|
| | | mm | p. tailstock max. kg | mm | mm | mm | mm | | EUR |
| | | 50 | 5 | 200 | 16 | 10 | 350 x 110 | 0780 101 | 581.00 |
| | | 50 | 5 | 350 | 16 | 10 | 500 x 110 | 0780 102 | 737.00 |
| | | 75 | 5 | 200 | 16 | 10 | 350 x 110 | 0780 104 | 664.00 |
| | | 75 | 5 | 350 | 16 | 10 | 500 x 110 | 0780 105 | 756.00 |
| | ▪ | 100 | 20 | 450 | 22 | 12 | 700 x 180 | 0780 107 | 1904.00 |
| | ▪ | 150 | 20 | 450 | 22 | 12 | 700 x 180 | 0780 108 | 2123.00 |

*** With integrated V-groove support on the tailstocks**

## 0780 Bench centres for heavy workpieces



### Model

- Finely ground surface, flatness tolerance according to DIN 876-2
- With two adjustable tailstocks
- Left tailstock with fixed centre
- Right heavy tailstock with moveable, spring mounted centre. free lift appr, 10 mm
- Tighten by hand crank
- Tailstock can be clamped via an eccentric clamp
- Base made of cast iron with T-groove
- Measuring stand with mounting hole for dial gauges Ø 8 mm

### Delivery

- Cardboard box

| ⋈ | | Height of centres mm | Workpiece load p. tailstock max. kg | Distance between centres mm | Centering tip dia. mm | T-groove width mm | Base mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | ▪ | 100 | 40 | 450 | 22 | 12 | 700 x 180 | 0780 141 | 2031.00 |
| | ▪ | 150 | 40 | 450 | 22 | 12 | 700 x 180 | 0780 142 | 2298.00 |

## 0780 Pair of v-support inserts



### Model

- V-support inserts to place in and for testing of shafts without centerbores
- V-support inserts are exchanged for the pointed alignment centre of the tailstocks

| ⋈ | | For height of centres mm | Contact surface mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 50/75 | 3 - 15 | 0780 021 | 84.00 |
| | | 100 | 8 - 45 | 0780 023 | 128.00 |

## 0780 Replacement support column



### Model

- Column is moving and can be clamped in the T-groove
- Mounting for indicator:
  - Shaft mounting Ø 8 mm for dial test indicators
- Integrated fine adjustment

| ⋈ | | For height of centres mm | Projection mm | T-groove width mm | Column height mm | Column dia. mm | Arm dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | 50/75 | 105 | 10 | 200 | 18 | 14 | 0780 072 | 101.00 |
| | | 100 | 105 | 12 | 240 | 18 | 14 | 0780 073 | 177.00 |
| | | 150 | 105 | 12 | 440 | 18 | 14 | 0780 074 | 203.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0780 Left tailstocks with a rotating collet chuck



**Model**

- The left tailstock can be changed because of this specification with a collect chuck
- The collect chuck is rotatable for runout testing
- T grooves bearing
- Eccentric clamp

| Height of centers mm | T-groove width mm | Order no. | List price EUR |
|---|---|---|---|
| For collet chucks type F10 (Ø 1 - 7 mm) | | | |
| 50 | 10 | 0780 001 | 361.00 |
| 75 | 10 | 0780 002 | 400.00 |
| For collet chucks type F14 (Ø 1 - 10 mm) | | | |
| 100 | 12 | 0780 003 | 623.00 |

- Collet chucks F10 from 1-7 mm are available upon request
- Collet chucks F14 from 1-10 mm are available upon request

## Pair of replacement tailstocks for 0780

**Model**

- 2 tailstocks made of cast iron, with T grooves bearing, with eccentric clamp
- Left tailstock with fixed centre
- Right tailstock with retractable spring mounted centre and clamping lever (quick-clamping device)

| Height of centers mm | Workpiece load p. tailstock max. kg | T-groove width mm | Order no. | List price EUR |
|---|---|---|---|---|
| 50 | 5 | 10 | 0780 091 | 365.00 |
| 75 | 5 | 10 | 0780 092 | 410.00 |
| 100 | 20 | 12 | 0780 093 | 844.00 |
| 150 | 20 | 12 | 0780 094 | 872.00 |

## Pair of V-groove supports for 0780



**Model**

- For workpieces without centering
- Functional test through applying on e.g. plain lateral surface
- Recognition of form errors
- For exchange of centre supports
- Prismatic contact surface 90°
- V-groove surfaces made of hardened steel (replaceable)
- T grooves bearing
- Eccentric clamp

| Height of centers mm | T-groove width | Contact surface mm | Order no. | List price EUR |
|---|---|---|---|---|
| 65 | 10 | 5 - 25 | 0780 032 | 155.00 |
| 100 | 12 | 5 - 50 | 0780 033 | 222.00 |

* based on the center of an axis of a shaft Ø 10 mm

## Pair of roller supports for 0780



**Model**

- For exchange of centresupports
- Ball bearing rollers for easy turning of the workpieces

| Height of roller supports mm | T-groove width | Contact surface mm | Order no. | List price EUR |
|---|---|---|---|---|
| 65 | 10 | 3 - 30 | 0780 042 | 185.00 |
| 100 | 12 | 4 - 60 | 0780 043 | 250.00 |

* based on the center of an axis of a shaft Ø 10 mm

## 0783 Bench centre

DIN 876-1



### Model

- Dark granite work bench
- Flatness tolerance in accordance to DIN 876-1
- Right tailstock with retractable spring mounted centre (quick adjustment lever)
- Left tailstock with fixed centre
- Tailstocks can be adjusted via an eccentric clamp

### Delivery

- Wooden handling case
- Included:

- Work bench
- Support post
- 1 pair of tailstocks with pointed alignment centre 60° MK 2

| ⋈ | ⇲ | Height of centers mm | Workpiece load p. tailstock max. kg | Distance between centres mm | T-groove width mm | Base mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| | ▪ | 200 | 24 | 650 | 14 | 1100 x 180 | 0783 012 | 3402.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Pair of pointed alignment centres | 0782 181 | 216.00 |
| Tailstock | 0782 191 | 1125.00 |
| Measuring support | 0783 070 | 284.00 |

## 0782 Pair of roller supports



### Model

- For exchange of centre supports
- Ball bearing rollers for easy turning of the workpieces
- T-grooves bearing
- Eccentric clamp

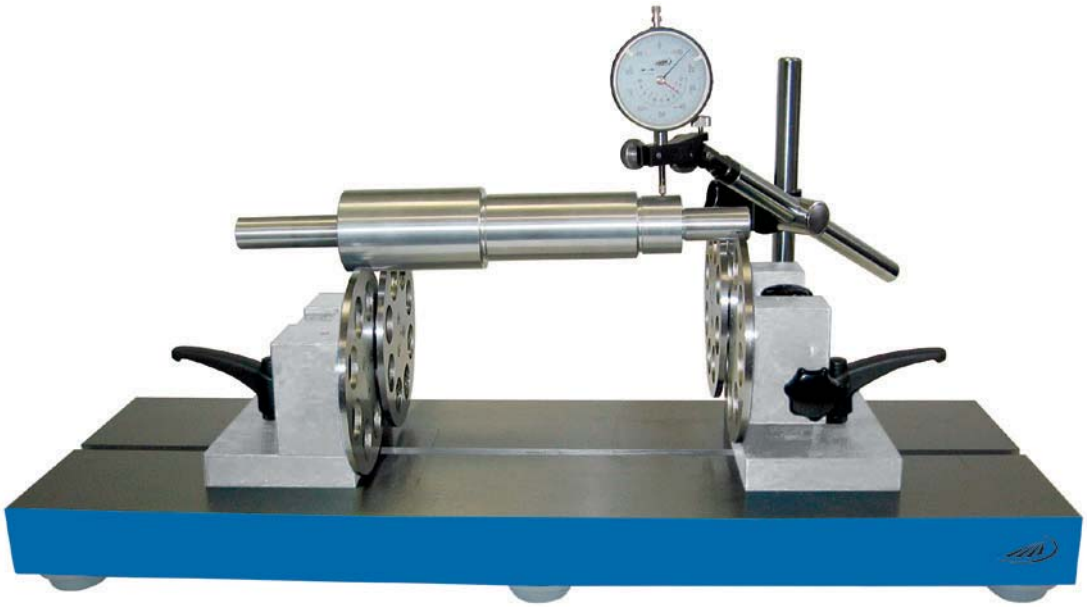
| ⋈ | ⇲ | Height of roller supports mm | T-groove width mm | Contact surface mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 200 | 14 | 25 - 100 | 0782 160 | 678.00 |

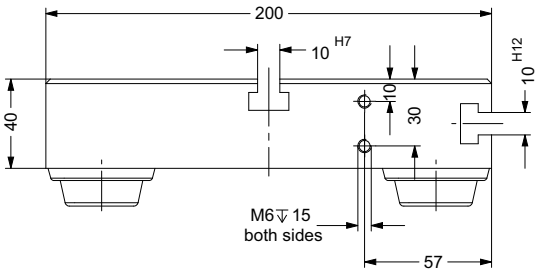


⇲ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0784 Concentricity measuring gauge with disc supports






### Model

- Centerless concentricity measuring instrument
- High accuracy discs are being mounted on bearings; free of play
- Discs can be slid to either side on the base
- One sliding disc can be adjusted up to 30 mm for diametral compensation
- Concentricity accuracy <5 µm

### Delivery

- wooden case
- includes the support post, excludes a dial gauge

| | | Workpiece load p. tailstock max. kg | Distance between the end mm | Disc diameter mm | Max. workpiece dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | ▪ | 25 | 400 | 120 | 250 | 0784 108 | 2976.00 |

## 0788 Shaft measuring instrument



### Model

- For rapid measurement of diameters, distances, shoulders, taper, roundness, etc.
- For vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of hardened steel
- Load capacity horizontal max. 20 kg

### Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre

| ⋈ | ◪ | Height of centres mm | Distance between centres mm | T-groove width mm | Base mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | ▪ | 75 | 550 | 10 H7 | 200 x 120 | 0788 104 | 1085.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Support arm with guideways | 0788 180 | 220.00 |



0788 180



◪ Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0788 Shaft measuring instrument lightweight



### Model

- For rapid measurement of distances, shoulders, taper, roundness, etc.
- Vertical and horizontal alignment
- Vertical base with 3 hardened adjustment support surfaces
- Measuring beam is made of hard anodized aluminium profile
- Aluminium tailstocks
- Load capacity horizontal max. 15 kg

### Delivery

- Cardboard box
- Without measuring support, guideway, dial gauge (optional accessories)



application as a bench centre



| ⋈ | | Height of centers mm | Distance between the end mm | T-groove width mm | Base mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 75 | 550 | 10.1 +0.1 | 200 x 150 | 0788 904 | 864.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Support arm with holder | 0788 980 | 70.00 |
| Support arm with guideways | 0788 990 | 313.00 |



0788 980

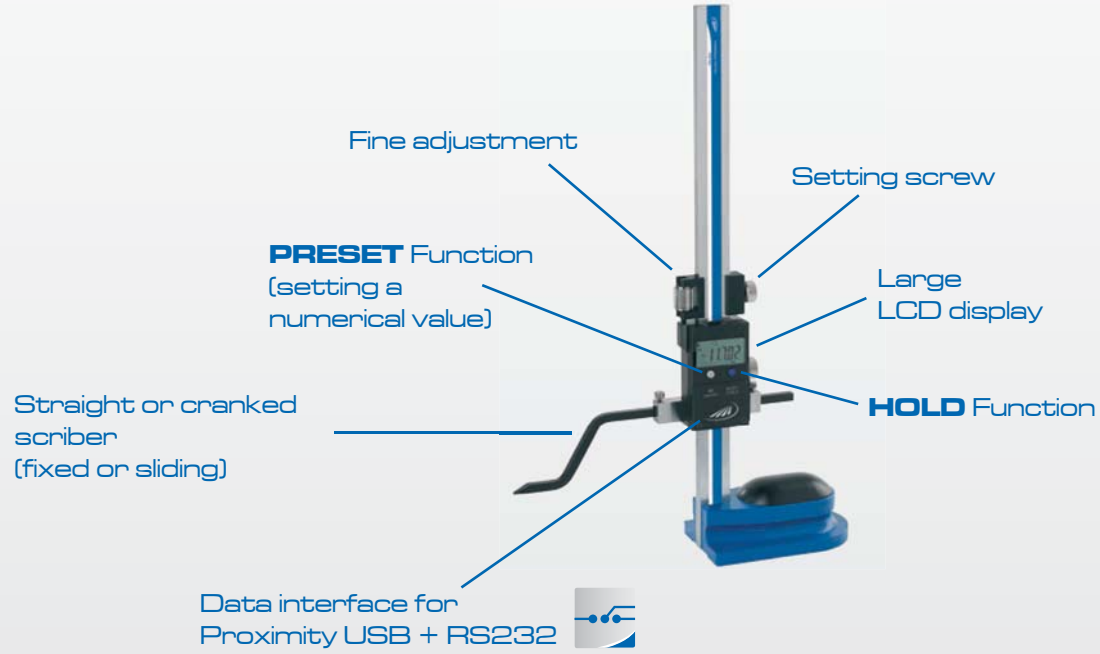


0788 990

HELIOS · PREISSER

# SAMPLES **MARKING GAUGES**




## More products from our range of **Marking gauges**



MARKING**GAUGES**



**DIVIDERS**



MARKING**CALIPERS**

# 4. CHAPTER MARKING GAUGES


| | |
|---|---|
| 180 | Scribers |
| 181 | Dividers |
| 183 | Beam compass |
| 186 | Internal and external calipers |
| 188 | Marking calipers / Marking gauges |
| 192 | Height and scribing gauges |




## 0300 Scribers



| ⋈ | | Length mm | Material | Order no. | List price EUR |
|---|---|---|---|---|---|
| **With straight screw-in scriber** | | | | | |
| | | 175 | Chromium-vanadium steel, hardened | 0300 007 | 2.00 |
| | | 175 | Carbide-tipped | 0300 103 | 9.90 |
| **With one straight and one L-shaped screw-in scribers** | | | | | |
| | | 250 | Chromium-vanadium steel, hardened | 0300 008 | 2.20 |
| **With one straight and one angled screw-in and burnished scribers** | | | | | |
| | | 200 | Chromium-vanadium steel, hardened | 0300 011 | 2.00 |
| | | 250 | Carbide-tipped | 0300 114 | 8.40 |
| **With a mechanic and pocket clip** | | | | | |
| | | 150 | Carbide-tipped | 0300 120 | 12.30 |
| **One piece hexagonal body with a pocket clip** | | | | | |
| | | 180 | Carbide-tipped | 0300 102 | 5.40 |
| **With straight scriber. plastic handle. With straight scriber. ball point pen form. incl. 20 interchangeable marking scribers** | | | | | |
| | | 125 | Chromium-vanadium steel, hardened | 0300 013 | 9.80 |
| **For scriber 0300 008. With straight scriber. plastic handle** | | | | | |
| | | 110 | Carbide-tipped | 0300 112 | 4.50 |

## 0300 Replacement scribers

| ⋈ | | Length mm | Material | Order no. | List price EUR |
|---|---|---|---|---|---|
| **For scribers 0300 007, 0300 008** | | | | | |
| | | 86 | Chromium-vanadium steel. hardened | 0300 009 | 1.00 |
| **For scriber 0300 008** | | | | | |
| | | 80 | Chromium-vanadium steel. hardened | 0300 010 | 1.00 |
| **For scriber 0300 013: (Package = 50 pieces)** | | | | | |
| | | 16 | Chromium-vanadium steel. hardened | 0300 014 | 3.40 |
| **For scribers 0300 120** | | | | | |
| | | 33 | Carbide | 0300 130 | 3.30 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0301 Precision dividers



**Model**

- With a rivetted hinge
- Hardened needle shaped-ground points
- Special steel

**Delivery**

- Cardboard box

| Radius mm | Order no. | List price EUR |
|---|---|---|
| 150 | 0301 001 | 7.00 |
| 175 | 0301 002 | 8.00 |
| 200 | 0301 003 | 8.80 |
| 250 | 0301 004 | 12.30 |
| 300 | 0301 005 | 14.90 |
| 400 | 0301 006 | 40.20 |
| 500 | 0301 007 | 57.00 |
| 600 | 0301 008 | 75.00 |
| 800 | 0301 009 | 105.00 |
| 1000 | 0301 010 | 154.00 |



## 0302 / 0306 Dividers with quadrant



**Model**

- With a rivetted hinge
- Special steel
- Quadrant with robust, milled locking screw
- Hardened points

**Delivery**

- Cardboard box

| Radius mm | Order no. | List price EUR |
|---|---|---|
| 150 | 0302 001 | 10.30 |
| 175 | 0302 002 | 11.30 |
| 200 | 0302 003 | 12.10 |
| 250 | 0302 004 | 15.80 |
| 300 | 0302 005 | 20.70 |
| 400 | 0302 006 | 58.00 |
| 500 | 0302 007 | 71.00 |
| 600 | 0302 008 | 91.00 |
| 800 | 0302 009 | 127.00 |
| 1000 | 0302 010 | 176.00 |
| **With pencil holder** | | |
| 150 | 0306 001 | 13.10 |
| 200 | 0306 003 | 14.90 |
| 300 | 0306 005 | 23.20 |

## 0310 Spring dividers



**Model**

- Quick release set screw
- Special steel
- Fixed points
- Hardened points
- Quick release set screw and spring are burnished

**Delivery**

- Cardboard box

| ⋈ | ◪ | Radius mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 0310 101 | 3.50 |
| | | 125 | 0310 102 | 3.80 |
| | | 150 | 0310 103 | 4.20 |
| | | 200 | 0310 105 | 4.70 |
| | | 250 | 0310 107 | 6.00 |
| | | 300 | 0310 108 | 7.10 |

## 0311 Spring dividers



**Model**

- Quick release set screw
- Special steel
- Interchangeable points
- Hardened points
- Quick release set screw and spring are burnished

**Delivery**

- Cardboard box

| ⋈ | ◪ | Radius mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 0311 101 | 3.50 |
| | | 125 | 0311 102 | 4.00 |
| | | 150 | 0311 103 | 4.70 |
| | | 200 | 0311 105 | 5.60 |
| | | 250 | 0311 107 | 6.80 |
| | | 300 | 0311 108 | 7.30 |

## 0311 Pair of replacement points for spring dividers

| ⋈ | ◪ | Material | Order no. | List price EUR |
|---|---|---|---|---|
| | | Special steel, hardened | 0311 120 | 2.20 |
| | | Carbide-tipped | 0311 121 | 18.30 |



◪ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0316 Beam trammel



**Model**

- With interchangeable steel points
- Stainless steel
- Locking screw
- Fine adjustment
- Factory standard

**Delivery**

- Cardboard box

| ⋈ | | Measuring range mm | Reading mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 500 | 0.1 | 25 x 6 | 0316 201 | 141.00 |
| | | 1000 | 0.1 | 25 x 6 | 0316 202 | 195.00 |

## 0316 Pair of replacement points, threaded

**Model**

- Thread M5

| ⋈ | | Length mm | Material | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 58 | Special steel. hardened | 6 | 0316 110 | 7.40 |
| | | 58 | Carbide | 6 | 0316 111 | 29.10 |



## 0316 Beam trammel with roller



**Model**

- Flat beam
- Special steel
- Locking screw
- Fine adjustment
- Factory standard

**Delivery**

- Cardboard box
- From measuring range 2000 mm in transportation box

| ⋈ | | Measuring range mm | Reading mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 500 | 0.1 | 25 x 6 | 0316 151 | 125.00 |
| | | 1000 | 0.1 | 25 x 6 | 0316 152 | 157.00 |
| | ▪ | 1500 | 0.1 | 25 x 6 | 0316 153 | 190.00 |
| | ▪ | 2000 | 0.1 | 25 x 6 | 0316 154 | 244.00 |

## 0317 Beam compass with round measuring beam



**Model**

- Beam is made of special steel
- Guide groove
- Slide bars are made of aluminium
- mm graduation
- Locking screws
- Interchangeable hardened scribers
- Factory standard

**Delivery**

- Cardboard box
- From measuring range 2000 mm in transportation box

| ⋈ | | Measuring range mm | Rail diameter mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Without fine adjustment** | | | | | | |
| | | 0 - 500 | 20 | 0.1 | 0317 001 | 65.00 |
| | | 0 - 1000 | 20 | 0.1 | 0317 002 | 92.00 |
| | ▪ | 0 - 1500 | 20 | 0.1 | 0317 003 | 119.00 |
| | ▪ | 0 - 2000 | 20 | 0.1 | 0317 004 | 163.00 |
| | ▪ | 0 - 3000 | 28 | 0.1 | 0317 005 | 375.00 |
| | ▪ | 0 - 4000 | 28 | 0.1 | 0317 006 | 610.00 |
| | ▪ | 0 - 5000 | 28 | 0.1 | 0317 007 | 814.00 |
| **With fine adjustment** | | | | | | |
| | | 0 - 500 | 20 | 0.1 | 0317 101 | 78.00 |
| | | 0 - 1000 | 20 | 0.1 | 0317 102 | 105.00 |
| | ▪ | 0 - 1500 | 20 | 0.1 | 0317 103 | 136.00 |
| | ▪ | 0 - 2000 | 20 | 0.1 | 0317 104 | 177.00 |
| | ▪ | 0 - 3000 | 28 | 0.1 | 0317 105 | 391.00 |
| | ▪ | 0 - 4000 | 28 | 0.1 | 0317 106 | 615.00 |
| | ▪ | 0 - 5000 | 28 | 0.1 | 0317 107 | 810.00 |

## 0317 Pair of replacement points (clamp)

| ⋈ | | Material | Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Special steel, hardened | 6 | 0317 010 | 8.10 |
| | | Carbide-tipped | 6 | 0317 110 | 23.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0314 Marking calipers



### Model

- Special steel
- Locking screw
- Laser graduated
- Factory standard

### Delivery

- Cardboard box

| ⋈ | | Measuring range mm | Radius mm | Reading mm | Jaw length mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Hardened scribing tips** | | | | | | | |
| | | 0 - 150 | 300 | 0.1 | 40 | 0314 002 | 74.00 |
| | | 0 - 200 | 400 | 0.1 | 40 | 0314 003 | 84.00 |
| | | 0 - 250 | 500 | 0.1 | 40 | 0314 004 | 88.00 |
| | | 0 - 300 | 600 | 0.1 | 40 | 0314 005 | 94.00 |
| **Carbide scribing tips** | | | | | | | |
| | | 0 - 150 | 300 | 0.1 | 40 | 0314 102 | 112.00 |
| | | 0 - 200 | 400 | 0.1 | 40 | 0314 103 | 133.00 |
| | | 0 - 250 | 500 | 0.1 | 40 | 0314 104 | 137.00 |
| | | 0 - 300 | 600 | 0.1 | 40 | 0314 105 | 142.00 |

## 0308 Combined internal / external calipers



### Model

- Internal and external caliper
- Stainless steel
- Satin chrome finished scale
- With a rivetted hinge
- mm graduation for internal and external measure-ment

### Delivery

- Cardboard box

| ⋈ | | Length mm | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 190 | 0 - 120 | 0308 201 | 90.00 |
| | | 250 | 0 - 160 | 0308 202 | 108.00 |
| | | 310 | 0 - 200 | 0308 303 | 132.00 |
| | | 460 | 0 - 300 | 0308 305 | 156.00 |

## 0303 Precision internal calipers



**Model**

- With a rivetted hinge
- Special steel
- Hardened measuring points

**Delivery**

- Cardboard box
- From measuring range 2000 mm in a transportation box

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 150 | 0303 001 | 6.80 |
| | | 175 | 0303 002 | 7.40 |
| | | 200 | 0303 003 | 8.40 |
| | | 250 | 0303 004 | 9.00 |
| | | 300 | 0303 005 | 10.30 |
| | | 400 | 0303 006 | 12.60 |
| | | 500 | 0303 007 | 15.60 |
| | | 600 | 0303 008 | 23.60 |
| | | 800 | 0303 009 | 34.00 |
| | | 1000 | 0303 010 | 62.00 |
| | ▪ | 1200 | 0303 012 | 545.00 |
| | ▪ | 1500 | 0303 015 | 579.00 |
| | ▪ | 2000 | 0303 020 | 617.00 |

## 0304 Precision external calipers



**Model**

- With a rivetted hinge
- Special steel
- Hardened measuring points

**Delivery**

- Cardboard box
- From measuring range 2000 mm in a transportation box

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 150 | 0304 001 | 6.80 |
| | | 175 | 0304 002 | 7.40 |
| | | 200 | 0304 003 | 8.40 |
| | | 250 | 0304 004 | 9.00 |
| | | 300 | 0304 005 | 10.30 |
| | | 400 | 0304 006 | 12.60 |
| | | 500 | 0304 007 | 15.60 |
| | | 600 | 0304 008 | 23.60 |
| | | 800 | 0304 009 | 34.00 |
| | | 1000 | 0304 010 | 62.00 |
| | ▪ | 1200 | 0304 012 | 545.00 |
| | ▪ | 1500 | 0304 015 | 579.00 |
| | ▪ | 2000 | 0304 020 | 617.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0312 Spring internal calipers



**Model**

- Internal caliper with quick release set screw
- Special steel
- Quick release set screw and spring are burnished

**Delivery**

- Cardboard box

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 0312 101 | 3.30 |
| | | 150 | 0312 103 | 4.70 |
| | | 200 | 0312 105 | 5.70 |
| | | 250 | 0312 107 | 7.00 |
| | | 300 | 0312 108 | 8.40 |



## 0313 Spring external calipers



**Model**

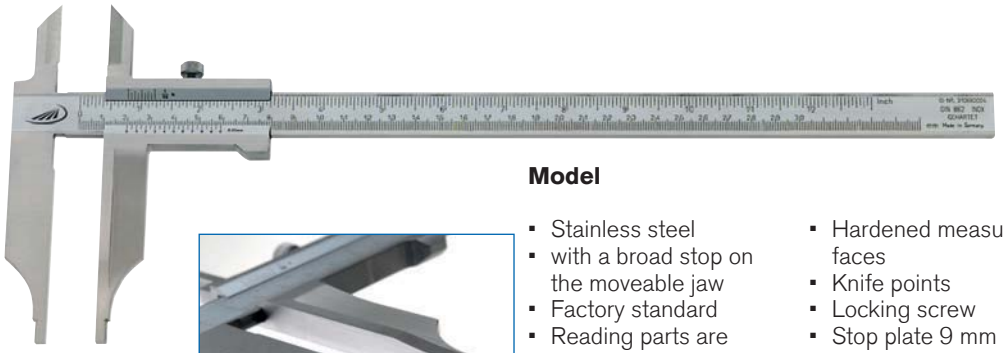
- External caliper with quick release set screw
- Special steel
- Quick release set screw and spring are burnished

**Delivery**

- Cardboard box

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 0313 101 | 3.30 |
| | | 150 | 0313 103 | 4.70 |
| | | 200 | 0313 105 | 5.70 |
| | | 250 | 0313 107 | 7.00 |
| | | 300 | 0313 108 | 8.40 |

## 0343 Marking calipers



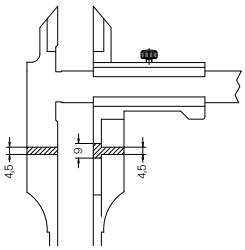


**Model**

- Stainless steel
- with a broad stop on the moveable jaw
- Factory standard
- Reading parts are satin chrome finished
- Hardened measuring faces
- Knife points
- Locking screw
- Stop plate 9 mm

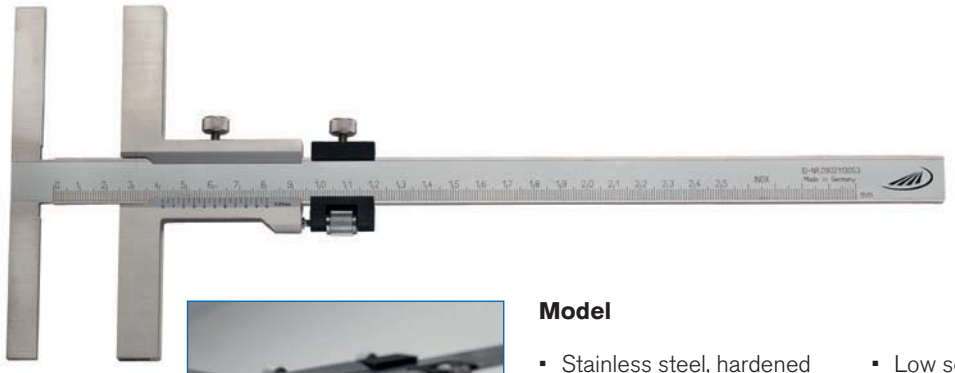
**Delivery**

- Cardboard box




| ⋈ | | Measuring range | Reading | Rail cross-section | Jaw length | Jaws for inside measurements | Order no. | List price |
|---|---|---|---|---|---|---|---|---|
| | | mm | mm | mm | mm | mm | | EUR |
| | | 0 - 250 | 0.05 | 20 x 5 | 90 | 10 | 0343 501 | 255.00 |
| | | 0 - 300 | 0.05 | 20 x 5 | 90 | 10 | 0343 503 | 287.00 |

## 0344 Marking calipers





**Model**

- Stainless steel, hardened
- Long T-shaped marking edge
- Factory standard
- Reading parts are satin chrome finished
- Low set master scale
- Fine adjustment
- Locking screw

**Delivery**

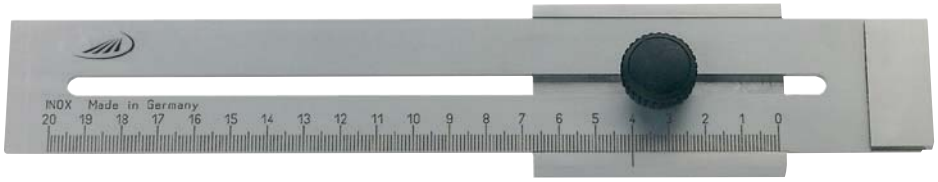
- Cardboard box

| ⋈ | | Measuring range | Reading | Rail cross-section | Length of beam | Order no. | List price |
|---|---|---|---|---|---|---|---|
| | | mm | mm | mm | mm | | EUR |
| | | 0 - 160 | 0.05 | 20 x 5 | 135 | 0344 501 | 125.00 |
| | | 0 - 250 | 0.05 | 20 x 5 | 135 | 0344 502 | 159.00 |
| | | 0 - 300 | 0.05 | 20 x 5 | 160 | 0344 503 | 202.00 |
| | | 0 - 500 | 0.05 | 25 x 6 | 160 | 0344 505 | 428.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0321 Marking gauges




**Model**

- Flat, stable construction
- Stainless steel. chrome finished
- Locking screw
- Hardened stop face
- mm graduated scale
- Factory standard

**Delivery**

- Cardboard box

| Measuring range mm | Reading mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|
| 0 - 200 | 1 | 40 | 0321 301 | 21.80 |
| 0 - 250 | 1 | 40 | 0321 302 | 24.40 |
| 0 - 300 | 1 | 40 | 0321 303 | 24.90 |
| 0 - 500 | 1 | 40 | 0321 305 | 47.30 |

## 0323 Marking gauges




0323 308

**Model**

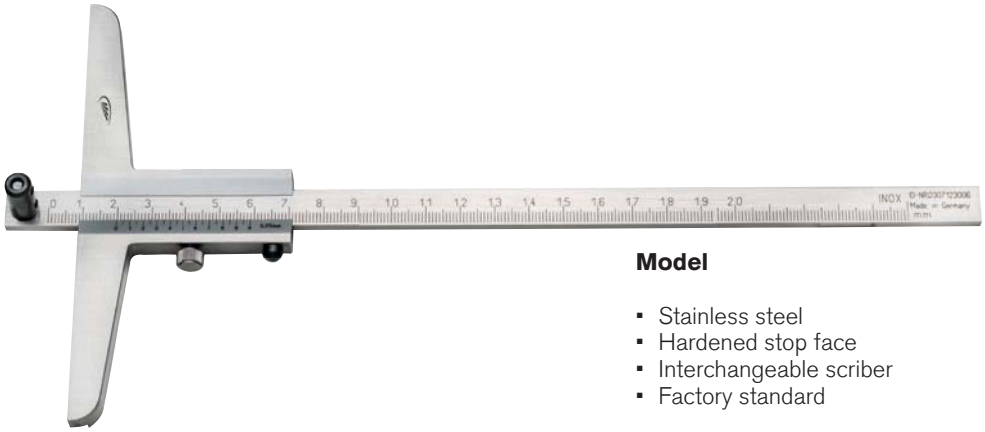
- Stainless steel
- Locking screw
- For marking by scale as well as for marking of 45° - or 90° - mitres
- mm graduation
- Factory standard

**Delivery**

- Cardboard box

| Measuring range mm | Reading mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|
| 100 | 1 | 40 | 0323 308 | 16.20 |
| 200 | 1 | 40 | 0323 318 | 20.70 |

## 0318 Marking calipers





**Model**

- Stainless steel
- Hardened stop face
- Interchangeable scriber
- Factory standard

**Delivery**

- Cardboard box

| ⋈ | | Measuring range mm | Reading mm | Rail cross-section mm | Length of beam mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 0 - 200 | 0.05 | 12 x 4 | 130 | 0318 201 | 148.00 |
| | | 0 - 300 | 0.05 | 12 x 4 | 130 | 0318 203 | 157.00 |

## 0318 Replacement scribers

| ⋈ | | Material | Order no. | List price EUR |
|---|---|---|---|---|
| | | Special steel, hardened | 0318 210 | 12.50 |
| | | Carbide-tipped | 0318 211 | 40.50 |

## 0322 Marking gauges with guide roll



**Model**

- Stainless steel, hardened
- Reading parts are satin chrome finished
- Guide roll
- Locking screw
- Interchangeable scriber made of hardened steel
- Factory standard

**Delivery**

- Cardboard box

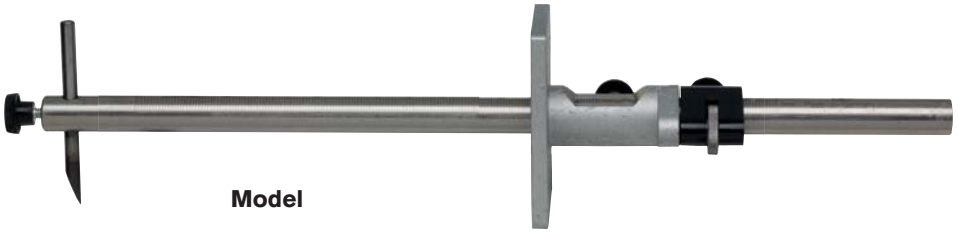
| ⋈ | | Measuring range mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 200 | 0.05 | 0322 501 | 24.90 |
| | | 0 - 400 | 0.05 | 0322 503 | 39.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Replacement scribers | 0322 510 | 4.40 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0319 Marking gauges with a round measuring beam



**Model**

- With guide groove
- Stainless steel beam
- Slide bars are made of steel, rectangular stop plate
- Scriber interchangeable, made of hardened steel
- mm graduation
- Factory standard

**Delivery**

- Cardboard box

| Measuring range mm | Rail diameter mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|
| **Without fine adjustment** | | | | |
| 0 - 200 | 12 | 0.1 | 0319 001 | 35.30 |
| 0 - 300 | 12 | 0.1 | 0319 002 | 44.20 |
| 0 - 400 | 12 | 0.1 | 0319 003 | 63.00 |
| 0 - 500 | 12 | 0.1 | 0319 004 | 85.00 |
| **With fine adjustment** | | | | |
| 0 - 200 | 12 | 0.1 | 0319 101 | 45.20 |
| 0 - 300 | 12 | 0.1 | 0319 102 | 53.00 |
| 0 - 400 | 12 | 0.1 | 0319 103 | 73.00 |
| 0 - 500 | 12 | 0.1 | 0319 104 | 92.00 |

4

## 0320 Marking gauges with a round measuring beam



**Model**

- With guide groove
- Stainless steel beam
- Slide bars are made of steel, rectangular stop plate
- Scriber interchangeable. made of hardened steel
- mm graduation

**Delivery**

- Cardboard box

| Measuring range mm | Rail diameter mm | Reading mm | Order no. | List price EUR |
|---|---|---|---|---|
| 0 - 300 | 12 | 0.1 | 0320 001 | 44.20 |
| 0 - 500 | 12 | 0.1 | 0320 002 | 85.00 |
| **Hardened stop plate** | | | | |
| 0 - 300 | 12 | 0.1 | 0320 101 | 69.00 |
| 0 - 500 | 12 | 0.1 | 0320 102 | 108.00 |

## 0319 Replacement scribers

| Material | Order no. | List price EUR |
|---|---|---|
| Special steel, hardened | 0319 010 | 3.70 |
| Carbide | 0319 510 | 38.40 |

## 0345 / 0347 Analogue height and scribing gauges




0345 522

0347 522

### Model

- Measuring beam is made from stainless steel
- Vernier and scale are satin chrome finished
- Parallax-free reading
- Setting screw
- Fine adjustment
- Accurate fine adjustment on gear rack and setting wheel with pinion
- Steel base with dirt grooves
- Scribing possible from base plate level
- Factory standard

### Delivery

- With exchangeable scriber, carbide tipped



② Fine adjustment on gear rack

| ⋈ | | Measuring range mm | Reading mm | Base dimensions mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **With fine adjustment** | | | | | | | |
| | | 0 - 300 | 0.02 | 145 x 90 x 44 | 30 x 12 | 0345 522 | 373.00 |
| | | 0 - 600 | 0.02 | 189 x 118 x 44 | 30 x 12 | 0345 530 | 467.00 |
| | | 0 - 1000 | 0.02 | 189 x 118 x 44 | 30 x 12 | 0345 534 | 643.00 |
| **With pinion** | | | | | | | |
| | | 0 - 300 | 0.02 | 145 x 90 x 44 | 30 x 12 | 0347 522 | 477.00 |
| | | 0 - 600 | 0.02 | 189 x 118 x 44 | 30 x 12 | 0347 530 | 602.00 |
| | | 0 - 1000 | 0.02 | 189 x 118 x 44 | 30 x 12 | 0347 534 | 830.00 |

## 0345 Replacement scribers for 0345 / 0347

### Model

- Carbide tipped
- Packing: individually packed

| ⋈ | | Length mm | Material | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 75 | Carbide-tipped | 0345 910 | 119.00 |
| | | 150 | Carbide-tipped | 0345 912 | 132.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0345 / 0347 DIGI-MET® Height and scribing gauges




0345 722

0347 722

### Model

- Measuring beam is made from stainless steel
- LCD-display 11 mm
- Setting screw
- Fine adjustment
- Accurate fine adjustment on gear rack and setting wheel with pinion
- Steel base with dirt grooves
- Scribing possible from base plate level
- Factory standard

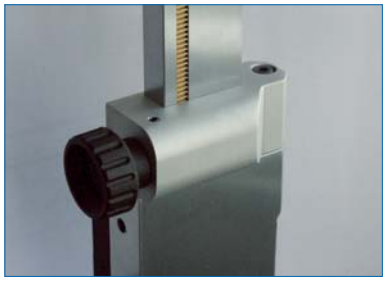
### Functions

Proxi

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Hold
- ABS (display can be set to zero without losing the Preset value)
- Reversal of counting direction
- Factor input
- Data output Proximity USB + RS232

### Delivery

- With interchangeable scribing jaws, carbide tipped



② Fine adjustment on gear rack

| Measuring range mm | Reading mm | Base dimensions mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **With fine adjustment** | | | | | |
| 300 | 0.01 | 145 x 90 x 44 | 30 x 12 | 0345 722 | 539.00 |
| 600 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0345 730 | 674.00 |
| 1000 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0345 734 | 934.00 |
| **With pinion** | | | | | |
| 300 | 0.01 | 145 x 90 x 44 | 30 x 12 | 0347 722 | 664.00 |
| 600 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0347 730 | 830.00 |
| 1000 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0347 734 | 1142.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable Proximity to USB | 1998 760 | 141.00 |

## 0345 Replacement scribers for 0345 / 0347

### Model

- Carbide tipped
- Packing: individually packed

| Length mm | Material | Order no. | List price EUR |
|---|---|---|---|
| 75 | Carbide-tipped | 0345 910 | 119.00 |
| 150 | Carbide-tipped | 0345 912 | 132.00 |

## 0349 DIGI-MET® Height gauges with sliding scriber



0349 722*

### Model

- Measuring beam is made from special steel
- LCD-display 11 mm
- Fine adjustment
- Setting screw
- Steel base with dirt grooves
- Scribing possible from base plate level

### Functions

- ON / OFF
- Set to zero at any point
- mm / inch switching
- PRESET-Function (setting a numerical value)
- Hold
- ABS (display can be set to zero without losing the Preset value)
- Reversal of counting direction
- Factor input
- Data output Proximity USB + RS232

### Delivery

- With interchangeable scribing jaws, carbide tipped

Proxi

| Measuring range mm | Reading mm | Base dimensions mm | Rail cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 0 - 300 | 0.01 | 145 x 90 x 44 | 30 x 12 | 0349 722 | 570.00 |
| 0 - 600 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0349 730 | 726.00 |
| 0 - 1000 | 0.01 | 189 x 118 x 44 | 30 x 12 | 0349 734 | 986.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable Proximity to USB | 1998 760 | 141.00 |

*Figure does not show standard delivery content

## 0349 Replacement scribers for 0349

| Length mm | Material | Order no. | List price EUR |
|---|---|---|---|
| **Cranked scriber, for marking operations from base** | | | |
| 270 | Hardened steel | 0349 912 | 128.00 |
| 270 | Carbide tipped | 0349 916 | 162.00 |
| **Straight scriber** | | | |
| 270 | Hardened steel | 0349 910 | 109.00 |
| 270 | Carbide tipped | 0349 914 | 142.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0331 Replacement scriber for height gauges not any longer included in our catalogue

| Order no. Height-gauge / Order no. Scriber | 0330... | 0331... | 0336... | 0338... | 0340... | 0342... | Material | Length mm | Shaft mm | List price EUR |
|---|---|---|---|---|---|---|---|---|---|---|
| 0331 011 | | ● | | ● | | | straight, hardened steel | 270 | 8 x 8 | 109.00 |
| 0331 030 | | ● | | | | | cranked, hardened steel | 270 | 8 x 8 | 128.00 |
| 0331 111 | | ● | | ● | | | straight, carbide tipped | 270 | 8 x 8 | 142.00 |
| 0331 130 | | ● | | | | | cranked, carbide tipped | 270 | 8 x 8 | 162.00 |
| 0334 101 | ● | | ● | | ● | ● | straight, carbide tipped | 65 | 8 x 8 | 72.00 |
| 0334 102 | ● | | ● | | ● | ● | straight, carbide tipped | 75 | - | 119.00 |
| 0334 105 | | | ● | | | | straight, carbide tipped | 120 | - | 87.00 |
| 0334 106 | | | ● | | | | straight, carbide tipped | 150 | - | 132.00 |
| 0338 354 | | | | ● | | | cranked, hardened steel | 270 | 8 x 8 | 140.00 |
| 0338 357 | | | | ● | | | cranked, carbide tipped | 270 | 8 x 8 | 182.00 |

HELIOS · PREISSER

# SAMPLES **SQUARES**

SQUARE **WITH BASE**



SQUARE **WITHOUT BASE**



## HIGH **QUALITY**

## MADE IN **GERMANY**

Manufactured according to **DIN 875**

**Highest** precision:
Accuracy **grade 0**

Blade length up to **2 meters**
(Accuracy grade 2)

Made from **special** or **stainless** steel

## More **highlights** from our range of **squares**



**ACUTE ANGLE** SQUARES



**MITRE** SQUARES



**BEVEL PROTRACTORS**

# 5. CHAPTER SQUARES, PROTRACTORS AND BEVEL PROTRACTORS


| | |
|---|---|
| 198 | Squares with / without base |
| 202 | Steel squares |
| 203 | Squares with hard and slim blade |
| 205 | Knife edge squares |
| 206 | Inspection set |
| 207 | Centre squares / Flange squares |
| 208 | Mitre / Acute angle squares |
| 210 | Squares for specific measuring tasks and target groups |
| 212 | Wooden cases |
| 213 | Protractors |
| 216 | Universal bevel protractors |




## 0368 Squares with base accuracy grade 0



### Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

### Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR | DIN 875 |
|---|---|---|---|---|---|---|
| Special steel | | | | | | |
| | | 75 x 50 | 15 x 5 | 0368 102 | 15.40 | |
| | | 100 x 70 | 20 x 5 | 0368 103 | 17.90 | |
| | | 150 x 100 | 25 x 5 | 0368 104 | 27.10 | |
| | | 200 x 130 | 30 x 6 | 0368 105 | 34.70 | |
| | | 250 x 165 | 35 x 7 | 0368 106 | 50.00 | |
| | | 300 x 200 | 40 x 8 | 0368 107 | 68.00 | |
| | | 400 x 265 | 45 x 10 | 0368 108 | 148.00 | |
| | | 500 x 330 | 50 x 10 | 0368 109 | 216.00 | |
| | | 600 x 400 | 50 x 10 | 0368 110 | 309.00 | |
| | | 750 x 500 | 60 x 12 | 0368 111 | 528.00 | |
| | ▪ | 1000 x 660 | 70 x 15 | 0368 112 | 947.00 | |
| Stainless steel | | | | | | |
| | | 75 x 50 | 15 x 5 | 0368 202 | 23.00 | |
| | | 100 x 70 | 20 x 5 | 0368 203 | 24.80 | |
| | | 150 x 100 | 25 x 5 | 0368 204 | 42.60 | |
| | | 200 x 130 | 30 x 6 | 0368 205 | 61.00 | |
| | | 250 x 165 | 35 x 7 | 0368 206 | 89.00 | |
| | | 300 x 200 | 40 x 8 | 0368 207 | 100.00 | |
| | | 400 x 265 | 45 x 10 | 0368 208 | 187.00 | |
| | | 500 x 330 | 50 x 10 | 0368 209 | 259.00 | |
| | | 600 x 400 | 50 x 10 | 0368 210 | 385.00 | |
| | | 750 x 500 | 60 x 12 | 0368 211 | 661.00 | |
| | ▪ | 1000 x 660 | 70 x 15 | 0368 212 | 1403.00 | |

## 0369 Squares without base accuracy grade 0



### Model

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

### Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR | DIN 875 |
|---|---|---|---|---|---|---|
| Special steel | | | | | | |
| | | 75 x 50 | 15 x 5 | 0369 102 | 10.10 | |
| | | 100 x 70 | 20 x 5 | 0369 103 | 11.30 | |
| | | 150 x 100 | 25 x 5 | 0369 104 | 13.90 | |
| | | 200 x 130 | 30 x 6 | 0369 105 | 23.00 | |
| | | 250 x 165 | 35 x 7 | 0369 106 | 31.80 | |
| | | 300 x 200 | 40 x 8 | 0369 107 | 40.80 | |
| | | 400 x 265 | 45 x 10 | 0369 108 | 100.00 | |
| | | 500 x 330 | 50 x 10 | 0369 109 | 123.00 | |
| | | 600 x 400 | 50 x 10 | 0369 110 | 243.00 | |
| | | 750 x 500 | 60 x 12 | 0369 111 | 451.00 | |
| | ▪ | 1000 x 660 | 70 x 15 | 0369 112 | 804.00 | |
| Stainless steel | | | | | | |
| | | 75 x 50 | 15 x 5 | 0369 202 | 16.70 | |
| | | 100 x 70 | 20 x 5 | 0369 203 | 18.30 | |
| | | 150 x 100 | 25 x 5 | 0369 204 | 24.30 | |
| | | 200 x 130 | 30 x 6 | 0369 205 | 36.80 | |
| | | 250 x 165 | 35 x 7 | 0369 206 | 48.90 | |
| | | 300 x 200 | 40 x 8 | 0369 207 | 68.00 | |
| | | 400 x 265 | 45 x 10 | 0369 208 | 130.00 | |
| | | 500 x 330 | 50 x 10 | 0369 209 | 180.00 | |
| | | 600 x 400 | 50 x 10 | 0369 210 | 302.00 | |
| | | 750 x 500 | 60 x 12 | 0369 211 | 564.00 | |
| | ▪ | 1000 x 660 | 70 x 15 | 0369 212 | 1059.00 | |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0385 Inspection squares with base accuracy grade 0, hardened



**Model**

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

**Delivery**

- Cardboard box

DIN 875

| Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 50 x 40 | 15 x 4 | 0385 102 | 24.30 |
| 75 x 50 | 15 x 4 | 0385 103 | 25.90 |
| 100 x 70 | 20 x 5 | 0385 104 | 31.00 |
| 150 x 100 | 25 x 6 | 0385 105 | 46.30 |
| 200 x 130 | 30 x 7 | 0385 106 | 64.00 |
| 300 x 200 | 40 x 8 | 0385 108 | 112.00 |
| **Stainless steel** | | | |
| 50 x 40 | 15 x 4 | 0385 202 | 33.70 |
| 75 x 50 | 15 x 4 | 0385 203 | 37.40 |
| 100 x 70 | 20 x 5 | 0385 204 | 46.30 |
| 150 x 100 | 25 x 6 | 0385 205 | 61.00 |
| 200 x 130 | 30 x 7 | 0385 206 | 79.00 |
| 300 x 200 | 40 x 8 | 0385 208 | 116.00 |

## 0386 Inspection squares without base accuracy grade 0, hardened



**Model**

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

**Delivery**

- Cardboard box

DIN 875

| Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 50 x 40 | 15 x 4 | 0386 102 | 18.30 |
| 75 x 50 | 15 x 4 | 0386 103 | 19.70 |
| 100 x 70 | 20 x 5 | 0386 104 | 24.10 |
| 150 x 100 | 25 x 6 | 0386 105 | 29.80 |
| 200 x 130 | 30 x 7 | 0386 106 | 38.50 |
| 300 x 200 | 40 x 8 | 0386 108 | 74.00 |
| **Stainless steel** | | | |
| 50 x 40 | 15 x 4 | 0386 202 | 23.20 |
| 75 x 50 | 15 x 4 | 0386 203 | 26.30 |
| 100 x 70 | 20 x 5 | 0386 204 | 31.00 |
| 150 x 100 | 25 x 6 | 0386 205 | 40.20 |
| 200 x 130 | 30 x 7 | 0386 206 | 52.00 |
| 300 x 200 | 40 x 8 | 0386 208 | 103.00 |

## 0370 Squares with base accuracy grade 1



### Model

- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

### Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

| ⋈ | ▰ | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 75 x 50 | 15 x 5 | 0370 102 | 9.80 |
| | | 100 x 70 | 20 x 5 | 0370 103 | 10.90 |
| | | 150 x 100 | 25 x 5 | 0370 104 | 11.10 |
| | | 200 x 130 | 30 x 6 | 0370 105 | 18.10 |
| | | 250 x 165 | 35 x 7 | 0370 106 | 24.10 |
| | | 300 x 200 | 40 x 8 | 0370 107 | 29.40 |
| | | 400 x 265 | 45 x 10 | 0370 108 | 80.00 |
| | | 500 x 330 | 50 x 10 | 0370 109 | 117.00 |
| | | 600 x 400 | 50 x 10 | 0370 110 | 164.00 |
| | | 750 x 500 | 60 x 12 | 0370 111 | 367.00 |
| | ▪ | 1000 x 660 | 70 x 15 | 0370 112 | 621.00 |
| **Stainless steel** | | | | | |
| | | 75 x 50 | 15 x 5 | 0370 202 | 13.50 |
| | | 100 x 70 | 20 x 5 | 0370 203 | 16.40 |
| | | 150 x 100 | 25 x 5 | 0370 204 | 22.40 |
| | | 200 x 130 | 30 x 6 | 0370 205 | 29.80 |
| | | 250 x 165 | 35 x 7 | 0370 206 | 44.80 |
| | | 300 x 200 | 40 x 8 | 0370 207 | 54.00 |
| | | 400 x 265 | 45 x 10 | 0370 208 | 161.00 |
| | | 500 x 330 | 50 x 10 | 0370 209 | 198.00 |
| | | 600 x 400 | 50 x 10 | 0370 210 | 336.00 |
| | | 750 x 500 | 60 x 12 | 0370 211 | 520.00 |
| | ▪ | 1000 x 660 | 70 x 15 | 0370 212 | 841.00 |

DIN 875

## 0371 Squares without base accuracy grade 1



### Model

- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

### Delivery

- Cardboard box
- From blade length 1000 mm in a transportation box

| ⋈ | ▰ | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 75 x 50 | 15 x 5 | 0371 102 | 7.40 |
| | | 100 x 70 | 20 x 5 | 0371 103 | 7.80 |
| | | 150 x 100 | 25 x 5 | 0371 104 | 9.40 |
| | | 200 x 130 | 30 x 6 | 0371 105 | 12.80 |
| | | 250 x 165 | 35 x 7 | 0371 106 | 19.40 |
| | | 300 x 200 | 40 x 8 | 0371 107 | 23.00 |
| | | 400 x 265 | 45 x 10 | 0371 108 | 58.00 |
| | | 500 x 330 | 50 x 10 | 0371 109 | 82.00 |
| | | 600 x 400 | 50 x 10 | 0371 110 | 113.00 |
| | | 750 x 500 | 60 x 12 | 0371 111 | 250.00 |
| | ▪ | 1000 x 660 | 70 x 15 | 0371 112 | 429.00 |
| **Stainless steel** | | | | | |
| | | 75 x 50 | 15 x 5 | 0371 202 | 9.00 |
| | | 100 x 70 | 20 x 5 | 0371 203 | 10.90 |
| | | 150 x 100 | 25 x 5 | 0371 204 | 15.40 |
| | | 200 x 130 | 30 x 6 | 0371 205 | 21.30 |
| | | 250 x 165 | 35 x 7 | 0371 206 | 31.00 |
| | | 300 x 200 | 40 x 8 | 0371 207 | 37.80 |
| | | 400 x 265 | 45 x 10 | 0371 208 | 125.00 |
| | | 500 x 330 | 50 x 10 | 0371 209 | 156.00 |
| | | 600 x 400 | 50 x 10 | 0371 210 | 258.00 |
| | | 750 x 500 | 60 x 12 | 0371 211 | 473.00 |
| | ▪ | 1000 x 660 | 70 x 15 | 0371 212 | 763.00 |

DIN 875



▰ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0372 Squares with base accuracy grade 2



**Model**

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

**Delivery**

- Cardboard box
- From blade length 1500 mm in a transportation box

DIN 875

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 75 x 50 | 15 x 5 | 0372 102 | 7.60 |
| | | 100 x 70 | 20 x 5 | 0372 103 | 8.50 |
| | | 150 x 100 | 25 x 5 | 0372 104 | 11.10 |
| | | 200 x 130 | 30 x 6 | 0372 105 | 14.20 |
| | | 250 x 165 | 35 x 7 | 0372 106 | 19.30 |
| | | 300 x 175 | 35 x 7 | 0372 107 | 24.30 |
| | | 400 x 200 | 35 x 7 | 0372 108 | 40.80 |
| | | 500 x 250 | 40 x 8 | 0372 109 | 54.00 |
| | | 600 x 300 | 40 x 8 | 0372 110 | 73.00 |
| | | 750 x 375 | 45 x 10 | 0372 111 | 92.00 |
| | | 1000 x 500 | 50 x 10 | 0372 112 | 127.00 |
| | ▪ | 1500 x 750 | 60 x 12 | 0372 113 | 455.00 |
| | ▪ | 2000 x 1000 | 60 x 12 | 0372 114 | 732.00 |

## 0373 Squares without base accuracy grade 2



**Model**

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

**Delivery**

- Cardboard box
- From blade length 1500 mm in a transportation box

DIN 875

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 75 x 50 | 15 x 5 | 0373 102 | 5.40 |
| | | 100 x 70 | 20 x 5 | 0373 103 | 6.20 |
| | | 150 x 100 | 25 x 5 | 0373 104 | 8.50 |
| | | 200 x 130 | 30 x 6 | 0373 105 | 10.30 |
| | | 250 x 165 | 35 x 7 | 0373 106 | 14.20 |
| | | 300 x 175 | 35 x 7 | 0373 107 | 18.20 |
| | | 400 x 200 | 35 x 7 | 0373 108 | 27.40 |
| | | 500 x 250 | 40 x 8 | 0373 109 | 40.10 |
| | | 600 x 300 | 40 x 8 | 0373 110 | 54.00 |
| | | 750 x 375 | 45 x 10 | 0373 111 | 72.00 |
| | | 1000 x 500 | 50 x 10 | 0373 112 | 105.00 |
| | ▪ | 1500 x 750 | 60 x 12 | 0373 113 | 349.00 |
| | ▪ | 2000 x 1000 | 60 x 12 | 0373 114 | 644.00 |

## 0374 Steel squares with base



**Model**

- Special steel, zinc coated
- Factory standard
- Simple design for angle test in steel and metal construction

**Delivery**

- Cardboard box
- From blade length 1500 mm in a transportation box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 100 x 70 | 20 x 5 | 0374 404 | 6.30 |
| | | 150 x 100 | 20 x 5 | 0374 408 | 7.10 |
| | | 200 x 130 | 20 x 5 | 0374 410 | 8.60 |
| | | 250 x 160 | 25 x 5 | 0374 412 | 10.50 |
| | | 300 x 180 | 25 x 5 | 0374 414 | 12.70 |
| | | 400 x 230 | 30 x 5 | 0374 416 | 16.00 |
| | | 500 x 280 | 30 x 5 | 0374 418 | 21.40 |
| | | 600 x 330 | 30 x 5 | 0374 420 | 28.80 |
| | | 750 x 375 | 30 x 5 | 0374 424 | 34.20 |
| | | 1000 x 500 | 30 x 5 | 0374 428 | 52.00 |
| | ▪ | 1500 x 750 | 40 x 5 | 0374 430 | 181.00 |
| | ▪ | 2000 x 1000 | 40 x 5 | 0374 432 | 267.00 |

*polished

## 0375 Steel squares without base



**Model**

- Special steel, zinc coated
- Factory standard
- Simple design for angle test in steel and metal construction

**Delivery**

- Cardboard box
- From blade length 1500 mm in a transportation box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 100 x 70 | 20 x 5 | 0375 404 | 5.10 |
| | | 150 x 100 | 20 x 5 | 0375 408 | 5.30 |
| | | 200 x 130 | 20 x 5 | 0375 410 | 5.70 |
| | | 250 x 160 | 25 x 5 | 0375 412 | 6.90 |
| | | 300 x 180 | 25 x 5 | 0375 414 | 7.60 |
| | | 400 x 230 | 30 x 5 | 0375 416 | 10.40 |
| | | 500 x 280 | 30 x 5 | 0375 418 | 11.50 |
| | | 600 x 330 | 30 x 5 | 0375 420 | 14.10 |
| | | 750 x 375 | 30 x 5 | 0375 424 | 16.80 |
| | | 1000 x 500 | 30 x 5 | 0375 428 | 21.70 |
| | ▪ | 1500 x 750 | 40 x 5 | 0375 430 | 85.00 |
| | ▪ | 2000 x 1000 | 40 x 5 | 0375 432 | 128.00 |

*polished



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0376 Squares with hard and slim blade, accuracy grade 1



**Model**

- Special steel
- DIN 875
- Accuracy grade 1
- For angle testing in production and factory

**Delivery**

- Cardboard box

DIN 875

| Length of beams mm | Cross section with wide beam mm | Cross section with narrow beam mm | Order no. | List price EUR |
|---|---|---|---|---|
| 75 x 50 | 14 x 10 | 14 x 3 | 0376 102 | 11.80 |
| 100 x 70 | 16 x 10 | 16 x 3 | 0376 103 | 12.60 |
| 150 x 100 | 20 x 12 | 22 x 3 | 0376 104 | 15.80 |
| 200 x 130 | 24 x 14 | 24 x 3 | 0376 105 | 26.00 |

## 0376 Squares with hard and slim blade, accuracy grade 2



**Model**

- Special steel
- DIN 875
- Accuracy grade 2
- For angle testing in production and factory

**Delivery**

- Cardboard box

DIN 875

| Length of beams mm | Cross section with wide beam mm | Cross section with narrow beam mm | Order no. | List price EUR |
|---|---|---|---|---|
| 75 x 50 | 14 x 10 | 14 x 2 | 0376 112 | 11.00 |
| 100 x 70 | 16 x 10 | 18 x 2 | 0376 113 | 11.70 |
| 150 x 100 | 20 x 12 | 22 x 3 | 0376 114 | 14.20 |
| 200 x 130 | 24 x 14 | 24 x 3 | 0376 115 | 19.90 |
| 250 x 160 | 28 x 16 | 28 x 3 | 0376 116 | 24.60 |
| 300 x 175 | 32 x 18 | 30 x 3 | 0376 117 | 29.30 |

## 0390 Squares with hard and slim blade, hardened, accuracy grade 0



**Model**

- DIN 875
- Accuracy grade 0
- For exact angle testing (for example: tool making)

**Delivery**

- Cardboard box

DIN 875

| ⋈ | | Length of beams mm | Cross section with wide beam mm | Cross section with narrow beam mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Special steel** | | | | | | |
| | | 50 x 40 | 14 x 10 | 16 x 2 | 0390 102 | 34.70 |
| | | 75 x 50 | 14 x 10 | 18 x 2 | 0390 103 | 34.70 |
| | | 100 x 70 | 16 x 10 | 18 x 2 | 0390 104 | 40.20 |
| | | 150 x 100 | 20 x 12 | 22 x 3 | 0390 105 | 51.00 |
| | | 200 x 130 | 24 x 14 | 26 x 3 | 0390 106 | 69.00 |
| | | 300 x 200 | 30 x 18 | 32 x 3 | 0390 108 | 116.00 |
| **Stainless steel** | | | | | | |
| | | 50 x 40 | 14 x 10 | 16 x 2 | 0390 202 | 46.00 |
| | | 75 x 50 | 14 x 10 | 18 x 2 | 0390 203 | 52.00 |
| | | 100 x 70 | 16 x 10 | 18 x 2 | 0390 204 | 66.00 |
| | | 150 x 100 | 20 x 12 | 22 x 3 | 0390 205 | 85.00 |
| | | 200 x 130 | 24 x 14 | 26 x 3 | 0390 206 | 107.00 |
| | | 300 x 200 | 30 x 18 | 32 x 3 | 0390 208 | 164.00 |

## 0391 Knife edge squares with hard and slim blade. hardened. accuracy grade 00



**Model**

- With knife edge
- DIN 875
- Accuracy grade 00
- For exact flatness testing (for example: in production)

**Delivery**

- Cardboard box

DIN 875

| ⋈ | | Length of beams mm | Cross section with wide beam mm | Cross section with narrow beam mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Special steel. non-glare knife edge** | | | | | | |
| | | 50 x 40 | 14 x 10 | 16 x 2 | 0391 102 | 54.00 |
| | | 75 x 50 | 14 x 10 | 18 x 2 | 0391 103 | 54.00 |
| | | 100 x 70 | 16 x 10 | 18 x 2 | 0391 104 | 70.00 |
| | | 150 x 100 | 20 x 12 | 22 x 3 | 0391 105 | 88.00 |
| | | 200 x 130 | 24 x 14 | 26 x 3 | 0391 106 | 119.00 |
| | | 300 x 200 | 30 x 18 | 32 x 3 | 0391 108 | 174.00 |
| **Stainless steel** | | | | | | |
| | | 50 x 40 | 14 x 10 | 16 x 2 | 0391 202 | 64.00 |
| | | 75 x 50 | 14 x 10 | 18 x 2 | 0391 203 | 72.00 |
| | | 100 x 70 | 16 x 10 | 18 x 2 | 0391 204 | 82.00 |
| | | 150 x 100 | 20 x 12 | 22 x 3 | 0391 205 | 105.00 |
| | | 200 x 130 | 24 x 14 | 26 x 3 | 0391 206 | 134.00 |
| | | 300 x 200 | 30 x 18 | 32 x 3 | 0391 208 | 218.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0388 Knife edge squares, hardened, accuracy grade 00



**Model**

- DIN 875
- Accuracy grade 00
- For exact angle and flatness testing (for example: tool making)

**Delivery**

- Cardboard box

DIN 875

| Length of beams mm | Cross-section mm | Order no. mm | List price EUR |
|---|---|---|---|
| **Special steel, non-glare knife edge** | | | |
| 50 x 40 | 14 x 4 | 0388 102 | 19.40 |
| 75 x 50 | 15 x 4 | 0388 103 | 23.00 |
| 100 x 70 | 20 x 5 | 0388 104 | 27.50 |
| 150 x 100 | 25 x 6 | 0388 105 | 37.00 |
| 200 x 130 | 30 x 7 | 0388 106 | 52.00 |
| 300 x 200 | 40 x 8 | 0388 108 | 90.00 |
| **Stainless steel** | | | |
| 50 x 40 | 14 x 4 | 0388 202 | 23.00 |
| 75 x 50 | 15 x 4 | 0388 203 | 27.10 |
| 100 x 70 | 20 x 5 | 0388 204 | 32.60 |
| 150 x 100 | 25 x 6 | 0388 205 | 42.10 |
| 200 x 130 | 30 x 7 | 0388 206 | 62.00 |
| 300 x 200 | 40 x 8 | 0388 208 | 136.00 |
| 500 x 330 | 40 x 10 | 0388 210 | 649.00 |

## 0394 Knife edge squares




0394 101



0394 110

**Model**

- **0394101**

- Reading parts are satin chrome finished
- Sliding knife 7 x 7 x 60 mm
- Angle +-5°
- Handle 40 x 23 x 9 mm
- For testing on short edges and grooves through the sliding knife edge

- **0394110**

- Reading parts are satin chrome finished
- Sliding knife edge 7 x 7 x 60 mm
- Handle 40 x 23 x 9 mm
- For tests at short grooves through the sliding straight edge

**Delivery**

- Wooden case

| Base dimensions mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|
| 60 x 35 x 13 | 7 x 7 x 100 | 0394 101 | 203.00 |
| 40 x 23 x 9 | 7 x 7 x 60 | 0394 110 | 82.00 |

| Accessories | Order no. | Listenpreis EUR |
|---|---|---|
| Replacement rule for 0394 | 0394 104 | 36.80 |

## 0387 Knife edge squares




**Model**

- Stainless steel
- DIN 875
- Accuracy grade 00
- Angle 90°
- Knife edge on the inside

**Delivery**

- Cardboard box

DIN 875

| ⋈ | | Length of beams mm | Cross section with narrow beam mm | Cross section with wide beam mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 25 x 20 | 5 x 3.5 | 6 x 3.5 | 0387 200 | 17.20 |
| | | 40 x 28 | 5 x 3.5 | 8 x 3.5 | 0387 201 | 17.20 |

## 0387 Inspection square set

**Model**

- Knife edge squares 0387 200 and 0387 201
- Wooden case

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0387 204 | 40.20 |

## 0397 5 piece inspection set



**Model**

set consisting of:

- Knife edge square, stainless steel 75 x 50 mm
- Knife edge square, stainless steel 40 x 28 mm
- Knife edge square, stainless steel 25 x 20 mm
- Knife edge rule, special steel100 mm
- Gauge block scriber 60 x 9 x 9 mm

**Delivery**

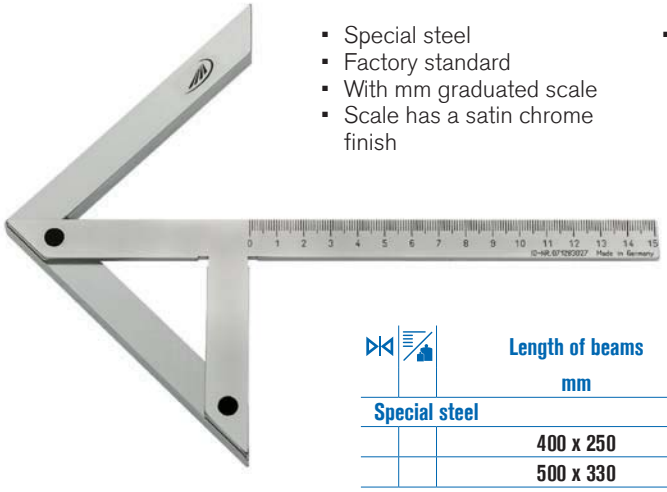
- Wooden case

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0397 101 | 177.00 |



Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0380 Centre squares



**Model**

- Special steel
- Factory standard
- With mm graduated scale
- Scale has a satin chrome finish

- For marking the centre of cylindrical workpieces, for example spindles, slices

**Delivery**

- Cardboard box

| | | Length of beams mm | For shaft dia. to mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 400 x 250 | 380.0 | 0380 108 | 251.00 |
| | | 500 x 330 | 530.0 | 0380 109 | 447.00 |
| **Special steel, chrome finished** | | | | | |
| | | 100 x 70 | 90.0 | 0380 103 | 55.00 |
| | | 150 x 130 | 190.0 | 0380 104 | 65.00 |
| | | 200 x 150 | 220.0 | 0380 105 | 82.00 |
| | | 250 x 160 | 230.0 | 0380 106 | 90.00 |
| | | 300 x 180 | 280.0 | 0380 107 | 98.00 |

## 0396 Flange squares



**Model**

- Special steel, zinc coated
- Factory standard
- For accurately aligning flanges e.g. in plumbing and sanitary works in pipeline

**Delivery**

- Cardboard box
- From blade length 600 mm in transportation box

| | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 300 x 300 | 30 x 5 | 0396 414 | 14.80 |
| | | 400 x 400 | 30 x 5 | 0396 416 | 17.60 |
| | | 500 x 500 | 30 x 5 | 0396 418 | 20.80 |
| | ▪ | 600 x 600 | 30 x 5 | 0396 420 | 26.00 |
| | ▪ | 800 x 800 | 30 x 5 | 0396 426 | 31.20 |

## 0395 Mitre squares 120°



**Model**

- Special steel
- Factory standard

**Delivery**

- Cardboard box

| ⋈ | ◪ | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Flat, without base** | | | | | |
| | | 50 x 50 | 15 x 5 | 0395 132 | 8.30 |
| | | 75 x 75 | 18 x 5 | 0395 133 | 10.60 |
| | | 100 x 100 | 20 x 5 | 0395 134 | 12.80 |

## 0395 Mitre squares 135°



**Model**

- Special steel
- Factory standard

**Delivery**

- Cardboard box

| ⋈ | ◪ | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **With base** | | | | | |
| | | 120 x 80 | 20 x 5 | 0395 142 | 18.30 |
| | | 150 x 100 | 20 x 5 | 0395 143 | 20.70 |
| | | 200 x 130 | 25 x 5 | 0395 144 | 27.10 |
| **Flat, without base** | | | | | |
| | | 50 x 50 | 15 x 5 | 0395 136 | 8.30 |
| | | 75 x 75 | 18 x 5 | 0395 137 | 10.60 |
| | | 100 x 100 | 20 x 5 | 0395 138 | 12.80 |
| | | 120 x 80 | 20 x 5 | 0395 146 | 13.50 |
| | | 150 x 100 | 20 x 5 | 0395 147 | 18.30 |
| | | 200 x 130 | 25 x 5 | 0395 148 | 24.80 |



◪ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0395 Acute angle squares 60°



**Model**

- Special steel
- Factory standard

**Delivery**

- Cardboard box

| | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **With base** | | | | | |
| | | 120 x 80 | 20 x 5 | 0395 122 | 25.40 |
| | | 150 x 100 | 20 x 5 | 0395 123 | 29.10 |
| | | 200 x 130 | 25 x 5 | 0395 124 | 39.00 |
| **Flat, without base** | | | | | |
| | | 120 x 80 | 20 x 5 | 0395 126 | 18.20 |
| | | 150 x 100 | 20 x 5 | 0395 127 | 20.30 |
| | | 200 x 130 | 25 x 5 | 0395 128 | 28.60 |

## 0395 Acute angle squares 45°



**Model**

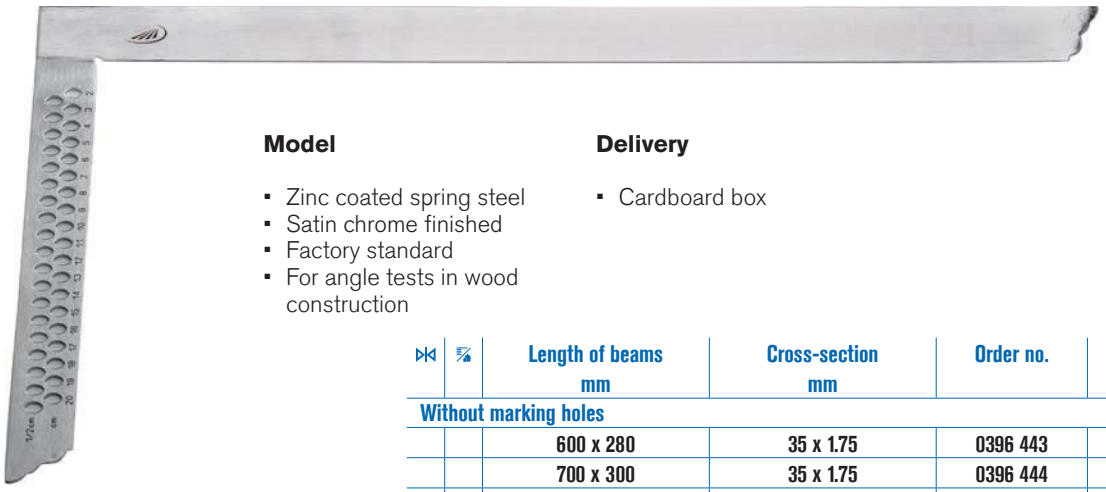
- Special steel
- Factory standard

**Delivery**

- Cardboard box

| | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **With base** | | | | | |
| | | 120 x 80 | 20 x 5 | 0395 102 | 26.90 |
| | | 130 x 100 | 20 x 5 | 0395 103 | 29.80 |
| | | 200 x 130 | 25 x 5 | 0395 104 | 40.20 |
| **Flat, without base** | | | | | |
| | | 120 x 80 | 20 x 5 | 0395 106 | 18.90 |
| | | 150 x 100 | 20 x 5 | 0395 107 | 20.70 |
| | | 200 x 130 | 25 x 5 | 0395 108 | 29.80 |

## 0396 Carpenters squares



**Model**

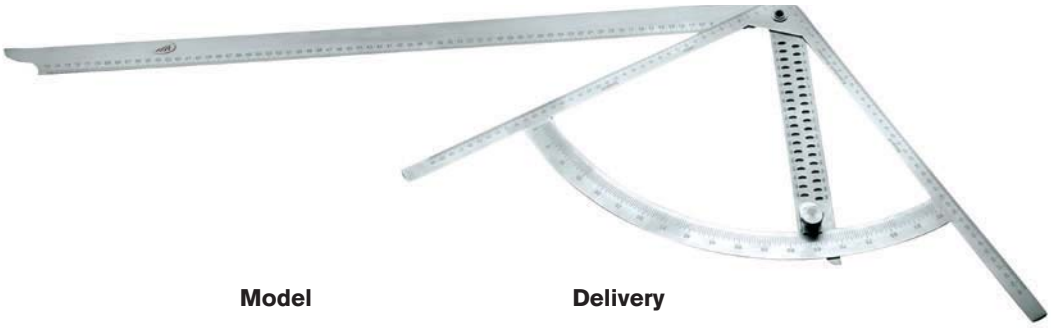
- Zinc coated spring steel
- Satin chrome finished
- Factory standard
- For angle tests in wood construction

**Delivery**

- Cardboard box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Without marking holes** | | | | | |
| | | 600 x 280 | 35 x 1.75 | 0396 443 | 10.10 |
| | | 700 x 300 | 35 x 1.75 | 0396 444 | 11.90 |
| | | 800 x 320 | 35 x 1.75 | 0396 445 | 12.90 |
| | | 1000 x 380 | 35 x 1.75 | 0396 446 | 16.60 |
| **With marking holes** | | | | | |
| | | 600 x 280 | 35 x 1.75 | 0396 453 | 12.70 |
| | | 700 x 300 | 35 x 1.75 | 0396 454 | 14.30 |
| | | 800 x 320 | 35 x 1.75 | 0396 455 | 15.90 |
| | | 1000 x 380 | 35 x 1.75 | 0396 456 | 19.50 |

## 0396 Alpha squares with marking holes



**Model**

- Stainless steel
- Long blade with mm graduation, short blade used as adjustable protractor and for marking and production of wood joints 0°-90°

**Delivery**

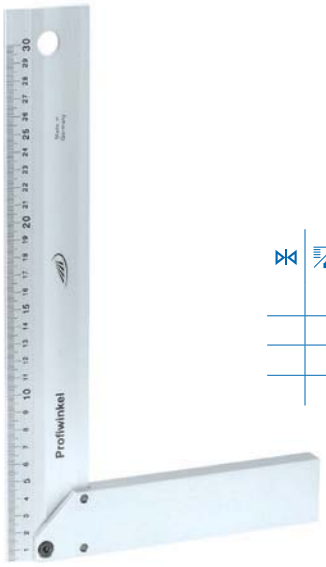
- Cardboard box

| ⋈ | | Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 430 x 795 | 35 | 0396 290 | 92.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0396 Joiner squares with mitre




**Model**

- Aluminium
- mm graduation

**Delivery**

- Cardboard box

| Length of beams mm | Cross section with narrow beam mm | Cross section with wide beam mm | Order no. | List price EUR |
|---|---|---|---|---|
| 250 x 148 | 40 x 14 | 50 x 5 | 0396 982 | 11.40 |
| 300 x 164 | 40 x 14 | 50 x 5 | 0396 983 | 13.50 |
| 400 x 195 | 40 x 14 | 50 x 5 | 0396 984 | 16.10 |

## 0396 Adjustable square



**Model**

- Special steel, zinc coated
- Satin chrome finished
- Screw hinge
- For transferring, marking and setting of individual angles

**Delivery**

- Cardboard box

| Length of beams mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|
| 200 | 20 x 8 | 0396 432 | 9.40 |
| 250 | 25 x 8 | 0396 433 | 11.60 |
| 300 | 25 x 8 | 0396 434 | 14.20 |
| 400 | 25 x 8 | 0396 435 | 18.20 |
| 500 | 25 x 8 | 0396 436 | 20.30 |

## 0003 Wooden cases for squares

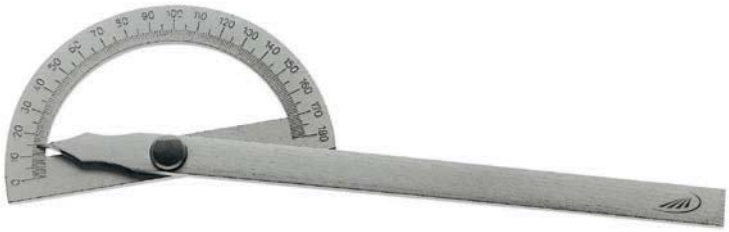


| ⋈ | | Length of beams mm | Internal dimensions L x W x H mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **For squares with base** | | | | | |
| | | 150 x 100 | 160 x 105 x 27 | 0003 284 | 6.50 |
| | | 200 x 130 | 210 x 135 x 34 | 0003 286 | 8.60 |
| | | 250 x 165 | 260 x 170 x 38 | 0003 288 | 18.50 |
| | | 300 x 200 | 312 x 205 x 42 | 0003 290 | 18.50 |
| | | 400 x 265 | 412 x 270 x 48 | 0003 292 | 35.30 |
| | | 500 x 330 | 512 x 335 x 54 | 0003 294 | 39.80 |
| **For flat type squares** | | | | | |
| | | 150 x 100 | 160 x 105 x 22 | 0003 283 | 5.90 |
| | | 200 x 130 | 210 x 135 x 27 | 0003 285 | 7.40 |
| | | 250 x 165 | 260 x 170 x 27 | 0003 287 | 8.20 |
| | | 300 x 200 | 312 x 205 x 27 | 0003 289 | 11.10 |
| | | 400 x 265 | 412 x 270 x 27 | 0003 291 | 32.00 |
| | | 500 x 330 | 512 x 335 x 27 | 0003 293 | 35.60 |
| **For squares with and without base** | | | | | |
| | | 50 x 40 | 55 x 45 x 22 | 0003 280 | 4.10 |
| | | 75 x 50 | 80 x 55 x 22 | 0003 281 | 4.50 |
| | | 100 x 70 | 105 x 75 x 22 | 0003 282 | 4.70 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0410 Protractors



**Model**

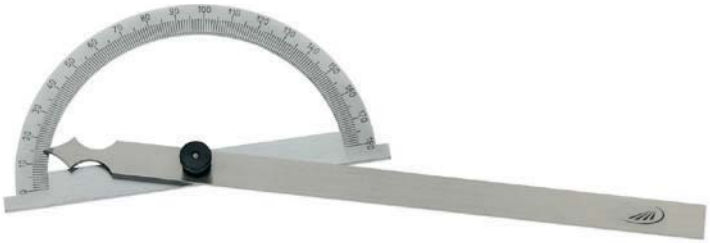
- With rivetted hinge
- Special steel, satin chrome finished
- Factory standard
- 0 - 180°

**Delivery**

- Cardboard box

| Length of beams mm | Graduated arc dia. mm | Order no. | List price EUR |
|---|---|---|---|
| 120 | 80 | 0410 301 | 23.90 |
| 150 | 120 | 0410 302 | 30.10 |
| 200 | 150 | 0410 303 | 34.30 |
| 300 | 200 | 0410 304 | 51.00 |

## 0411 Protractors



**Model**

- Locking screw
- High precision, laser graduated degree scale
- Factory standard
- 0 - 180°

**Delivery**

- Cardboard box

| Length of beams mm | Graduated arc dia. mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 120 | 80 | 0411 101 | 21.70 |
| 150 | 120 | 0411 102 | 27.10 |
| 200 | 150 | 0411 103 | 34.00 |
| 300 | 200 | 0411 104 | 45.00 |
| 500 | 300 | 0411 105 | 68.00 |
| 600 | 300 | 0411 106 | 79.00 |
| 800 | 300 | 0411 107 | 104.00 |
| 600 | 400 | 0411 108 | 134.00 |
| 800 | 400 | 0411 109 | 142.00 |
| 1000 | 400 | 0411 110 | 148.00 |
| **Special steel. satin chrome finished graduated arc** | | | |
| 120 | 80 | 0411 301 | 24.10 |
| 150 | 120 | 0411 302 | 31.00 |
| 200 | 150 | 0411 303 | 34.50 |
| 300 | 200 | 0411 304 | 49.50 |
| 500 | 300 | 0411 305 | 99.00 |
| 600 | 300 | 0411 306 | 125.00 |
| 800 | 300 | 0411 307 | 135.00 |
| 600 | 400 | 0411 308 | 141.00 |
| 800 | 400 | 0411 309 | 149.00 |
| 1000 | 400 | 0411 310 | 183.00 |

## 0412 Protractors




**Model**

- Locking screw
- Stainless steel
- Factory standard
- 0 - 180°
- High precision, laser graduated degree scale

**Delivery**

- Cardboard box

| ⋈ | | Length of beams mm | Graduated arc dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 120 | 80 | 0412 201 | 34.00 |
| | | 150 | 120 | 0412 202 | 36.80 |
| | | 200 | 150 | 0412 203 | 37.80 |
| | | 300 | 200 | 0412 204 | 53.00 |

## 0413 Protractors



0413 301



0413 302

**Model**

- Locking screw
- Special steel
- Factory standard
- 0 - 180°
- High precision. laser graduated degree scale
- Graduated in opposite directions
- Satin chrome finished

**Delivery**

- Cardboard box

| ⋈ | | Base dimensions mm | Length of beams mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | Ø 85 | 150 | 0413 301 | 22.90 |
| | | 85 x 50 | 150 | 0413 302 | 23.90 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0415 Bevel protractors




### Model

- Locking screw
- Special steel, pointer arm is satin chrome finished
- Factory standard
- Adjustable stop bar 10° - 170°
- High precision, laser graduated degree scale

### Delivery

- Cardboard box

| Length of beams mm | Graduated arc dia. mm | Order no. | List price EUR |
|---|---|---|---|
| 150 | 100 | 0415 301 | 62.00 |
| 300 | 150 | 0415 302 | 97.00 |
| 400 | 200 | 0415 303 | 131.00 |
| 500 | 250 | 0415 304 | 180.00 |
| 600 | 300 | 0415 305 | 204.00 |

## 0416 Bevel protractors with double stop rail




### Model

- Locking screw
- Special steel, pointer arm is satin chrome finished
- Factory standard
- Adjustable stop bar 10° - 170°
- High precision, laser graduated degree scale
- Two-way adjustable stop bar

### Delivery

- Cardboard box

| Length of beams mm | Graduated arc dia. mm | Order no. | List price EUR |
|---|---|---|---|
| 150 | 100 | 0416 301 | 125.00 |
| 300 | 150 | 0416 302 | 163.00 |
| 400 | 200 | 0416 303 | 211.00 |
| 500 | 250 | 0416 304 | 349.00 |
| 600 | 300 | 0416 305 | 405.00 |

## 0422 Universal bevel protractors with magnifying lense



**Model**

- Locking screw
- Stainless steel
- Factory standard
- Fine adjustment screw
- Parallax-free reading
- Reading parts are satin chrome finished
- Vernier and scale reading 5 minutes
- Hardened beam

**Delivery**

- Wooden case

| ⋈ | ▱ | Measuring range in ° | Blade length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 4 x 90 ° | 150 | 0422 501 | 145.00 |
| | | 4 x 90 ° | 200 | 0422 502 | 153.00 |
| | | 4 x 90 ° | 300 | 0422 503 | 161.00 |
| | | 4 x 90 ° | 500 | 0422 504 | 169.00 |

## 0425 DIGI-MET® Universal bevel protractors



**Model**

- Clamping unit
- Stainless steel
- Factory standard
- reversible measuring range:
  - 1 x 360°
  - 2 x 180°
  - 4 x 90°
- Reversible indication
  - degree and minutes
  - decimal degree

**Functions**

OPTO

- ON / OFF
- Set to zero at any point
- Data output Opto RS 232

**Delivery**

- Wooden case

| ⋈ | ▱ | Blade length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 150 | 0425 701 | 1130.00 |
| | | 200 | 0425 702 | 1140.00 |
| | | 300 | 0425 703 | 1150.00 |



0996701 0996705

| Accessories | Order no. | List price EUR |
|---|---|---|
| Battery, 3V-Lithium, CR 2032 | 0220 704 | 3.70 |
| Data cable opto to RS232 | 0996 701 | 74.00 |
| Data cable opto to USB | 0996 705 | 141.00 |

## 0425 Replacement blades for 0422 / 0425



| ⋈ | ▱ | Blade length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 150 | 0425 211 | 27.50 |
| | | 200 | 0425 212 | 31.00 |
| | | 300 | 0425 213 | 34.70 |
| | | 500 | 0425 214 | 48.90 |



▱ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0420 Universal bevel protractors




**Model**

- Locking screw
- Stainless steel
- Factory standard
- Vernier scale reading 5 minutes

**Delivery**

- Cardboard box

| Measuring range in ° | Blade length mm | Order no. | List price EUR |
|---|---|---|---|
| 4 x 90 ° | 150 | 0420 201 | 54.00 |
| 4 x 90 ° | 200 | 0420 202 | 58.00 |
| 4 x 90 ° | 300 | 0420 203 | 62.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Replacement magnifying lense | 0420 121 | 15.60 |
| Angle stop for bevel protractors | 0420 122 | 60.00 |
| Prismatic base | 0420 124 | 85.00 |
| Replacement beam 100 mm | 0420 206 | 17.70 |
| Replacement beam 200 mm | 0420 207 | 18.50 |
| Replacement beam 300 mm | 0420 208 | 18.70 |



0420121



0420122



0420124

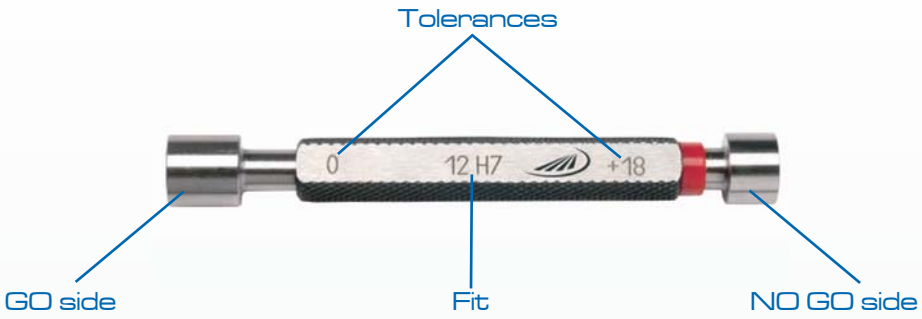


0420206

HELIOS · PREISSER

# SAMPLES **GAUGES**

## PLUG **GAUGES**




## OUR **SPECIAL OFFER**:

PLUG GAUGES **WITH REQUIRED FIT**
OR **INDIVIDUAL TOLERANCES**
**ACCORDING TO YOUR SPECIFICATIONS**

---

## **BESTSELLER**:

FEELER GAUGE **TAPES**
IN **SINGLE BOXES**







NOW AVAILABLE
FROM **STAINLESS** STEEL



AS **SET** IN OUR CONVENIENT
**WALLHOLDER**

Incl. holder for
feeler gauge tapes

# 6. CHAPTER GAUGES, RULES INSPECTION EQUIPMENT


| | |
|---|---|
| 220 | Graduated rules |
| 223 | Steel scale tapes for circumference and diameter |
| 224 | Rules |
| 227 | Knife edge rules |
| 228 | Inspection plates made from cast iron |
| 229 | Lapping and inspection plate |
| 230 | Measuring and inspection plates made from granite |
| 231 | Angle normal |
| 232 | Sinus rules, prisms |
| 236 | Sets of parallel blocks |
| 237 | Levels |
| 239 | Profile gauges, ISO indicators |
| 242 | Twist drill grinding and inspection gauges |
| 243 | Grinding / Welding gauges |
| 244 | Radius / Chamfer gauge |
| 245 | Tapered hole gauges |
| 246 | Hole gauges |
| 247 | Radius gauges |
| 248 | Feeler gauges |
| 250 | Feeler gauge tapes |
| 252 | Comparative surface roughness standards |
| 253 | Feeler gauge tapes and precision reference sheets |
| 255 | Gauge blocks and accessories |
| 266 | Pin gauges |
| 268 | Plug gauges, snap gauges |
| 271 | Ring gauges |

# 0460 Flexible steel rules



0460 204



0460 222



0460 242

**Model**

- Stainless spring band steel
- EC grade II
- Rules with special graduations or other scales are available upon request

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Scales: mm top and bottom** | | | | | |
| | | 150 | 13 x 0.5 | 0460 201 | 1.00 |
| | | 200 | 13 x 0.5 | 0460 202 | 1.00 |
| | | 300 | 15 x 0.5 | 0460 204 | 1.50 |
| | | 500 | 20 x 0.5 | 0460 205 | 4.10 |
| | | 1000 | 20 x 0.5 | 0460 206 | 8.80 |
| | | 300 | 30 x 1 | 0460 207 | 3.10 |
| | | 500 | 30 x 1 | 0460 208 | 7.40 |
| | | 1000 | 30 x 1 | 0460 209 | 15.40 |
| | | 1500 | 30 x 1 | 0460 210 | 24.80 |
| | | 2000 | 30 x 1 | 0460 211 | 29.80 |
| | | 3000 | 30 x 1 | 0460 212 | 69.00 |
| | ▪ | 3000 | 30 x 2 | 0460 213 | 107.00 |
| **Scales: 1/2 mm top, mm bottom** | | | | | |
| | | 150 | 13 x 0.5 | 0460 221 | 1.00 |
| | | 200 | 13 x 0.5 | 0460 222 | 1.00 |
| | | 250 | 15 x 0.5 | 0460 223 | 1.50 |
| | | 300 | 15 x 0.5 | 0460 224 | 1.50 |
| | | 500 | 20 x 0.5 | 0460 225 | 4.10 |
| | | 1000 | 20 x 0.5 | 0460 226 | 8.80 |
| | | 300 | 30 x 1 | 0460 227 | 3.10 |
| | | 500 | 30 x 1 | 0460 228 | 7.40 |
| | | 1000 | 30 x 1 | 0460 229 | 15.40 |
| | | 1500 | 30 x 1 | 0460 230 | 24.80 |
| | | 2000 | 30 x 1 | 0460 231 | 29.80 |
| | | 3000 | 30 x 1 | 0460 232 | 69.00 |
| | ▪ | 3000 | 30 x 2 | 0460 233 | 107.00 |
| **Scales: 1/16“, 1/32“, 1/64“ top; 1/2 mm, 1/1 mm bottom** | | | | | |
| | | 150 | 13 x 0.5 | 0460 241 | 1.00 |
| | | 200 | 13 x 0.5 | 0460 242 | 1.00 |
| | | 250 | 15 x 0.5 | 0460 243 | 1.50 |
| | | 300 | 15 x 0.5 | 0460 244 | 1.50 |
| | | 500 | 20 x 0.5 | 0460 245 | 4.10 |
| | | 1000 | 20 x 0.5 | 0460 246 | 8.80 |
| | | 300 | 30 x 1 | 0460 247 | 3.10 |
| | | 500 | 30 x 1 | 0460 248 | 7.40 |
| | | 1000 | 30 x 1 | 0460 249 | 15.40 |
| | | 1500 | 30 x 1 | 0460 250 | 24.80 |
| | | 2000 | 30 x 1 | 0460 251 | 29.80 |
| | | 3000 | 30 x 1 | 0460 252 | 69.00 |
| | ▪ | 3000 | 30 x 2 | 0460 253 | 107.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0460 Flexible steel rules, satin chrome



0460 502



0460 522

**Model**

- Stainless spring band steel
- Scales satin chrome finished
- EC grade II

| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Scales: mm top and bottom** | | | | | |
| | | 150 | 13 x 0.5 | 0460 501 | 2.60 |
| | | 200 | 13 x 0.5 | 0460 502 | 4.10 |
| | | 300 | 15 x 0.5 | 0460 504 | 4.70 |
| | | 500 | 20 x 0.5 | 0460 505 | 10.30 |
| | | 1000 | 20 x 0.5 | 0460 506 | 20.90 |
| | | 300 | 30 x 1 | 0460 507 | 5.40 |
| | | 500 | 30 x 1 | 0460 508 | 11.30 |
| | | 1000 | 30 x 1 | 0460 509 | 23.60 |
| | ▪ | 1500 | 35 x 1.5 | 0460 510 | 69.00 |
| | ▪ | 2000 | 35 x 1.5 | 0460 511 | 108.00 |
| | ▪ | 3000 | 35 x 1.3 | 0460 512 | 227.00 |
| **Scales: 1/2 mm top, mm bottom** | | | | | |
| | | 150 | 13 x 0.5 | 0460 521 | 2.60 |
| | | 200 | 13 x 0.5 | 0460 522 | 4.10 |
| | | 300 | 15 x 0.5 | 0460 524 | 4.70 |
| | | 500 | 20 x 0.5 | 0460 525 | 10.30 |
| | | 1000 | 20 x 0.5 | 0460 526 | 20.90 |
| | | 300 | 30 x 1 | 0460 527 | 5.40 |
| | | 500 | 30 x 1 | 0460 528 | 11.30 |
| | | 1000 | 30 x 1 | 0460 529 | 23.60 |

## 0453 Aluminium straight edges, anodized



0453 422

**Model**

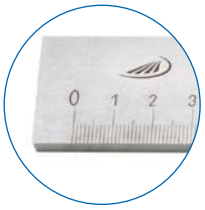
- Bevelled edge
- Non-glare mm graduation
- Factory standard

| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 300 | 50 x 5 | 0453 422 | 8.50 |
| | | 600 | 50 x 5 | 0453 430 | 12.70 |
| | | 1000 | 50 x 5 | 0453 434 | 18.70 |

## 0451 Graduated straight rules acc. to DIN 866, type A



DIN 866-A



### Model

- Both-sided 10 mm protective ends
- mm graduated scale

### Delivery

- Cardboard box
- From 2000 mm in transportation box

| ⋈ | ◪ | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 500 | 30 x 6 | 0451 101 | 24.80 |
| | | 1000 | 40 x 8 | 0451 102 | 57.00 |
| | ▪ | 1500 | 40 x 8 | 0451 103 | 102.00 |
| | ▪ | 2000 | 50 x 10 | 0451 104 | 141.00 |
| | ▪ | 3000 | 50 x 10 | 0451 105 | 292.00 |
| | ▪ | 4000 | 60 x 12 | 0451 106 | 530.00 |
| **Stainless steel** | | | | | |
| | | 500 | 30 x 6 | 0451 201 | 43.90 |
| | | 1000 | 40 x 8 | 0451 202 | 101.00 |
| | ▪ | 1500 | 40 x 8 | 0451 203 | 150.00 |
| | ▪ | 2000 | 50 x 10 | 0451 204 | 263.00 |
| | ▪ | 3000 | 50 x 10 | 0451 205 | 530.00 |
| | ▪ | 4000 | 60 x 12 | 0451 206 | 958.00 |

## 0452 Graduated straight rules acc. to DIN 866, type B



DIN 866-B



### Model

- Graduated scale begins directly on the end of rule, the other end has a 10 mm protective end
- mm graduated scale

### Delivery

- Cardboard box
- From 2000 mm in transportation box

| ⋈ | ◪ | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 500 | 25 x 5 | 0452 101 | 19.50 |
| | | 1000 | 30 x 6 | 0452 103 | 38.50 |
| | ▪ | 1500 | 30 x 6 | 0452 104 | 56.00 |
| | ▪ | 2000 | 40 x 8 | 0452 105 | 91.00 |
| | ▪ | 2500 | 40 x 8 | 0452 106 | 144.00 |
| | ▪ | 3000 | 40 x 8 | 0452 107 | 159.00 |
| | ▪ | 4000 | 50 x 10 | 0452 108 | 304.00 |
| | ▪ | 5000 | 60 x 12 | 0452 109 | 547.00 |
| **Stainless steel** | | | | | |
| | | 500 | 25 x 5 | 0452 201 | 26.00 |
| | | 1000 | 30 x 6 | 0452 203 | 57.00 |
| | ▪ | 1500 | 30 x 6 | 0452 204 | 97.00 |
| | ▪ | 2000 | 40 x 8 | 0452 205 | 154.00 |
| | ▪ | 2500 | 40 x 8 | 0452 206 | 294.00 |
| | ▪ | 3000 | 40 x 8 | 0452 207 | 305.00 |
| | ▪ | 4000 | 50 x 10 | 0452 208 | 549.00 |
| | ▪ | 5000 | 60 x 12 | 0452 209 | 1046.00 |



◪ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0458 Steel scale tapes for circumference and diameter



0458104



0458 102

### Model

- Factory standard
- Vernier 0.1 mm
- Main scale graduation 1 mm

### Delivery

- Cardboard box

| For circumference mm | For dia. mm | Order no. | List price EUR |
|---|---|---|---|
| **Spring band steel** | | | |
| 60 - 950 | 20 - 300 | 0458 102 | 36.80 |
| 940 - 2200 | 300 - 700 | 0458 103 | 43.90 |
| 2190 - 3460 | 700 - 1100 | 0458 104 | 57.00 |
| 3450 - 4720 | 1100 - 1500 | 0458 105 | 68.00 |
| 4710 - 5980 | 1500 - 1900 | 0458 106 | 82.00 |
| 5960 - 7230 | 1900 - 2300 | 0458 107 | 94.00 |
| 7220 - 8500 | 2300 - 2700 | 0458 108 | 232.00 |
| 8480 - 9760 | 2700 - 3100 | 0458 109 | 249.00 |
| 9730 - 11010 | 3100 - 3500 | 0458 110 | 320.00 |
| 11000 - 12260 | 3500 - 3900 | 0458 111 | 490.00 |
| 12250 - 13500 | 3900 - 4300 | 0458 112 | 500.00 |
| 13500 - 14760 | 4300 - 4700 | 0458 113 | 510.00 |
| 14760 - 16020 | 4700 - 5100 | 0458 114 | 520.00 |
| 16020 - 17270 | 5100 - 5500 | 0458 115 | 530.00 |
| 17270 - 18520 | 5500 - 5900 | 0458 116 | 540.00 |
| 18350 - 19780 | 5900 - 6300 | 0458 117 | 675.00 |
| **Stainless spring band steel** | | | |
| 60 - 950 | 20 - 300 | 0458 202 | 65.00 |
| 940 - 2200 | 300 - 700 | 0458 203 | 83.00 |
| 2190 - 3460 | 700 - 1100 | 0458 204 | 101.00 |
| 3450 - 4720 | 1100 - 1500 | 0458 205 | 133.00 |
| 4710 - 5980 | 1500 - 1900 | 0458 206 | 161.00 |
| 5960 - 7230 | 1900 - 2300 | 0458 207 | 188.00 |

## 0458 Interior circumference tapes



### Model

- To measure the internal circumference and the mean diameter of a round, oval or a continous polygon bore
- Main scale graduation 1 mm
- Vernier 0.1 mm
- Laser graduation
- Stainless spring band steel
- The tape is attached through an expanding collet

### Delivery

- Cardboard box

| For circumference mm | For dia. mm | Order no. | List price EUR |
|---|---|---|---|
| 720 - 1550 | 230 - 490 | 0458 252 | 295.00 |
| 940 - 2200 | 300 - 700 | 0458 253 | 310.00 |
| 2190 - 3620 | 700 - 1100 | 0458 254 | 330.00 |
| 3450 - 4720 | 1100 - 1500 | 0458 255 | 380.00 |
| 4710 - 5980 | 1500 - 1900 | 0458 256 | 415.00 |
| 5970 - 7230 | 1900 - 2300 | 0458 257 | 490.00 |
| 7220 - 8500 | 2300 - 2700 | 0458 258 | 570.00 |

| Accessories | Order no. | List price EUR |
|---|---|---|
| Expanding collet | 0458 291 | 414.00 |

## 0454 Straight edges, with bevelled edge



**Model**

- Special steel
- Satin chrome finished
- Factory standard

**Delivery**

- Cardboard box
- From 2000 mm in transportation box

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 400 | 40 x 5 | 0454 424 | 9.00 |
| | | 500 | 40 x 5 | 0454 428 | 11.20 |
| | ▪ | 1000 | 40 x 5 | 0454 434 | 22.30 |
| | ▪ | 1500 | 40 x 5 | 0454 438 | 40.50 |
| | ▪ | 2000 | 40 x 5 | 0454 440 | 61.00 |
| | ▪ | 3000 | 50 x 8 | 0454 444 | 162.00 |

## 0455 Straight edges with bevelled edge, mm graduation



**Model**

- Special steel
- Satin chrome finished
- Factory standard
- Graduated scale begins directly on the end of rule, the other end has a 10 mm protective end

**Delivery**

- Cardboard box
- From 2000 mm in transportation box

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 400 | 40 x 5 | 0455 424 | 16.60 |
| | | 500 | 40 x 5 | 0455 428 | 20.70 |
| | ▪ | 1000 | 40 x 5 | 0455 434 | 39.30 |
| | ▪ | 1500 | 40 x 5 | 0455 438 | 70.00 |
| | ▪ | 2000 | 40 x 5 | 0455 440 | 103.00 |
| | ▪ | 3000 | 50 x 8 | 0455 444 | 217.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0464 Steel rules made of special steel, accuracy grade 0

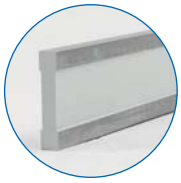
DIN 874



rectangular cross section



I shaped cross section, 2 hand slots



**Model**

- Special steel
- DIN 874 Sheet 1

**Delivery**

- Cardboard box
- From 2000 mm in transportation box

| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| Special steel, rectangular cross section | | | | | |
| | | 500 | 50 x 10 | 0464 101 | 63.00 |
| | | 750 | 50 x 10 | 0464 102 | 90.00 |
| | | 1000 | 60 x 12 | 0464 103 | 141.00 |
| | ▪ | 1500 | 70 x 15 | 0464 104 | 238.00 |
| Special steel, I shaped cross section, 2 hand slots | | | | | |
| | ▪ | 2000 | 80 x 15 | 0464 105 | 427.00 |
| | ▪ | 2500 | 100 x 16 | 0464 106 | 726.00 |
| | ▪ | 3000 | 120 x 18 | 0464 107 | 1114.00 |
| | ▪ | 4000 | 140 x 20 | 0464 108 | 1915.00 |
| | ▪ | 5000 | 140 x 20 | 0464 109 | 2380.00 |

## 0465 Steel rules made of special steel, accuracy grade 1

| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| Special steel, rectangular cross section | | | | | |
| | | 500 | 40 x 8 | 0465 101 | 31.00 |
| | | 750 | 50 x 10 | 0465 102 | 51.00 |
| | | 1000 | 50 x 10 | 0465 103 | 69.00 |
| | ▪ | 1500 | 60 x 12 | 0465 104 | 127.00 |
| Special steel, I shaped cross section, 2 hand slots | | | | | |
| | ▪ | 2000 | 70 x 15 | 0465 105 | 257.00 |
| | ▪ | 2500 | 80 x 15 | 0465 106 | 482.00 |
| | ▪ | 3000 | 100 x 16 | 0465 107 | 827.00 |
| | ▪ | 4000 | 120 x 18 | 0465 108 | 1337.00 |
| | ▪ | 5000 | 140 x 20 | 0465 109 | 2317.00 |

## 0466 Steel rules made of special steel, accuracy grade 2

| | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| Special steel, rectangular cross section | | | | | |
| | | 500 | 30 x 6 | 0466 101 | 21.30 |
| | | 750 | 40 x 8 | 0466 102 | 37.40 |
| | | 1000 | 40 x 8 | 0466 103 | 42.60 |
| | ▪ | 1500 | 50 x 10 | 0466 104 | 82.00 |
| | ▪ | 2000 | 60 x 12 | 0466 105 | 111.00 |
| | ▪ | 2500 | 70 x 15 | 0466 106 | 246.00 |
| | ▪ | 3000 | 80 x 15 | 0466 107 | 384.00 |
| Special steel, I shaped cross section, 2 hand slots | | | | | |
| | ▪ | 4000 | 100 x 16 | 0466 108 | 913.00 |
| | ▪ | 5000 | 120 x 18 | 0466 109 | 1375.00 |

## 0464 Steel rules made of stainless steel, accuracy grade 0

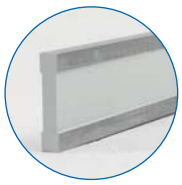


DIN 874

rectangular cross section



I shaped cross section, 2 hand slots



**Model**

- DIN 874 Sheet 1
- Stainless steel

**Delivery**

- Cardboard box
- From 2000 mm in transportation box

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Stainless steel, rectangular cross section** | | | | | |
| | | 500 | 50 x 10 | 0464 201 | 100.00 |
| | | 750 | 50 x 10 | 0464 202 | 136.00 |
| | | 1000 | 60 x 12 | 0464 203 | 257.00 |
| | ▪ | 1500 | 70 x 15 | 0464 204 | 427.00 |
| **Stainless steel, I shaped cross section, 2 hand slots** | | | | | |
| | ▪ | 2000 | 80 x 15 | 0464 205 | 790.00 |
| | ▪ | 2500 | 100 x 16 | 0464 206 | 1375.00 |
| | ▪ | 3000 | 120 x 18 | 0464 207 | 2432.00 |
| | ▪ | 4000 | 140 x 20 | 0464 208 | 4338.00 |
| | ▪ | 5000 | 140 x 20 | 0464 209 | 5485.00 |

## 0465 Steel rules made of stainless steel, accuracy grade 1

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Stainless steel, rectangular cross section** | | | | | |
| | | 500 | 40 x 8 | 0465 201 | 57.00 |
| | | 750 | 50 x 10 | 0465 202 | 87.00 |
| | | 1000 | 50 x 10 | 0465 203 | 157.00 |
| | ▪ | 1500 | 60 x 12 | 0465 204 | 246.00 |
| **Stainless steel, I shaped cross section, 2 hand slots** | | | | | |
| | ▪ | 2000 | 70 x 15 | 0465 205 | 580.00 |
| | ▪ | 2500 | 80 x 15 | 0465 206 | 883.00 |
| | ▪ | 3000 | 100 x 16 | 0465 207 | 1701.00 |
| | ▪ | 4000 | 120 x 18 | 0465 208 | 2505.00 |
| | ▪ | 5000 | 140 x 20 | 0465 209 | 4593.00 |

## 0466 Steel rules made of stainless steel, accuracy grade 2

| ⋈ | | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Stainless steel. rectangular cross section** | | | | | |
| | | 500 | 30 x 6 | 0466 201 | 36.80 |
| | | 750 | 40 x 8 | 0466 202 | 64.00 |
| | | 1000 | 40 x 8 | 0466 203 | 94.00 |
| | ▪ | 1500 | 50 x 10 | 0466 204 | 196.00 |
| | ▪ | 2000 | 60 x 12 | 0466 205 | 330.00 |
| | ▪ | 2500 | 70 x 15 | 0466 206 | 549.00 |
| | ▪ | 3000 | 80 x 15 | 0466 207 | 784.00 |
| **Stainless steel, I shaped cross section. 2 hand slots** | | | | | |
| | ▪ | 4000 | 100 x 16 | 0466 208 | 1460.00 |
| | ▪ | 5000 | 120 x 18 | 0466 209 | 2188.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0512 Knife edge rules



0512 101

DIN 874

### Model

- DIN 874 Sheet 2, accuracy grade 00
- Thermally insulated
- Pointed tip at one end
- Special steel: glare free and burnished knife edge
- Stainless steel: non glare knife edge

### Delivery

- Imitation leather case

| Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel, hardened and grinded** | | | |
| 75 | 25 x 5 | 0512 101 | 10.10 |
| 100 | 25 x 5 | 0512 102 | 11.30 |
| 125 | 25 x 5 | 0512 103 | 12.80 |
| 150 | 25 x 5 | 0512 104 | 14.50 |
| 200 | 29 x 7 | 0512 105 | 18.90 |
| 300 | 29 x 7 | 0512 106 | 35.60 |
| 400 | 33 x 10 | 0512 107 | 63.00 |
| 500 | 33 x 10 | 0512 108 | 100.00 |
| **Stainless steel, hardened and grinded** | | | |
| 75 | 25 x 5 | 0512 201 | 13.10 |
| 100 | 25 x 5 | 0512 202 | 15.40 |
| 125 | 25 x 5 | 0512 203 | 16.00 |
| 150 | 25 x 5 | 0512 204 | 17.90 |
| 200 | 29 x 7 | 0512 205 | 20.70 |
| 300 | 29 x 7 | 0512 206 | 45.00 |
| 400 | 33 x 10 | 0512 207 | 82.00 |
| 500 | 33 x 10 | 0512 208 | 111.00 |
| 600 | 45 x 10 | 0512 209 | 215.00 |
| 750 | 60 x 12 | 0512 210 | 436.00 |
| 1000 | 60 x 12 | 0512 211 | 571.00 |

## 0512 Wooden cases for knife edge rules

| Length mm | Order no. | List price EUR |
|---|---|---|
| 75 | 0512 601 | 5.20 |
| 100 | 0512 602 | 5.20 |
| 125 | 0512 603 | 5.20 |
| 150 | 0512 604 | 6.20 |
| 200 | 0512 605 | 7.30 |
| 300 | 0512 606 | 8.30 |
| 400 | 0512 607 | 10.40 |
| 500 | 0512 608 | 15.60 |
| 600 | 0512 609 | 15.60 |
| 750 | 0512 610 | 31.20 |
| 1000 | 0512 611 | 36.40 |

## 0467 Mounting straight edges

DIN 874



**Model**

- Special steel
- DIN 874 Sheet 1
- Tolerance 21 µm

| ⋈ | ▪ | Length mm | Cross-section mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Accuracy grade 0** | | | | | |
| | | 1000 | 160 x 50 | 0467 011 | 621.00 |
| | ▪ | 1500 | 160 x 50 | 0467 012 | 888.00 |
| | ▪ | 2000 | 160 x 50 | 0467 013 | 1156.00 |
| | ▪ | 2500 | 160 x 50 | 0467 014 | 1489.00 |
| | ▪ | 3000 | 180 x 60 | 0467 015 | 2492.00 |
| | ▪ | 4000 | 180 x 60 | 0467 016 | 3464.00 |
| | ▪ | 5000 | 200 x 80 | 0467 017 | 6013.00 |
| **Accuracy grade 1** | | | | | |
| | | 1000 | 100 x 30 | 0467 111 | 457.00 |
| | ▪ | 1500 | 100 x 30 | 0467 112 | 616.00 |
| | ▪ | 2000 | 120 x 40 | 0467 113 | 822.00 |
| | ▪ | 2500 | 120 x 40 | 0467 114 | 1125.00 |
| | ▪ | 3000 | 140 x 40 | 0467 115 | 1515.00 |
| | ▪ | 4000 | 140 x 40 | 0467 116 | 1994.00 |
| | ▪ | 5000 | 140 x 40 | 0467 117 | 3160.00 |

## 0478 Inspection plates

DIN 876-2



**Model**

- Special cast iron
- Rigid ripped construcion
- milled

| ⋈ | ▪ | Base dimensions mm | Accuracy grade | Order no. | List price EUR |
|---|---|---|---|---|---|
| **grinded** | | | | | |
| | | 200 x 200 | 3 | 0478 312 | 97.00 |
| | | 300 x 300 | 3 | 0478 315 | 155.00 |
| | ▪ | 400 x 300 | 3 | 0478 316 | 187.00 |
| | ▪ | 400 x 400 | 3 | 0478 317 | 224.00 |
| | ▪ | 500 x 400 | 3 | 0478 318 | 289.00 |
| | ▪ | 500 x 500 | 3 | 0478 319 | 428.00 |
| | ▪ | 600 x 500 | 3 | 0478 321 | 471.00 |
| | ▪ | 800 x 500 | 3 | 0478 324 | 673.00 |
| | ▪ | 1000 x 600 | 3 | 0478 327 | 1069.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0478 Inspection plates

DIN 876-2

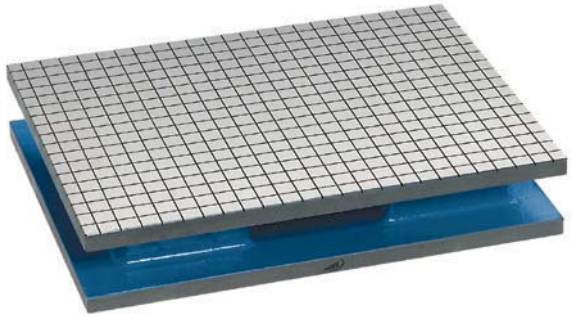
### Model

- Special cast iron
- Flatness in accordance to DIN 876-2
- Rigid construction
- *on request



| ⋈ | | Base dimensions mm | Accuracy grade | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Scraped** | | | | | |
| | | 200 x 200 | 0 | 0478 012 | 165.00 |
| | | 300 x 300 | 0 | 0478 015 | 289.00 |
| | ▪ | 400 x 300 | 0 | 0478 016 | 364.00 |
| | ▪ | 400 x 400 | 0 | 0478 017 | 471.00 |
| | ▪ | 500 x 400 | 0 | 0478 018 | 578.00 |
| | ▪ | 500 x 500 | 0 | 0478 019 | 716.00 |
| | ▪ | 600 x 500 | 0 | 0478 021 | 898.00 |
| | ▪ | 800 x 500 | 0 | 0478 024 | 1283.00* |
| | ▪ | 1000 x 600 | 0 | 0478 027 | 2010.00* |
| **Microground** | | | | | |
| | ▪ | 200 x 200 | 1 | 0478 112 | 130.00 |
| | ▪ | 300 x 300 | 1 | 0478 115 | 214.00 |
| | ▪ | 400 x 300 | 1 | 0478 116 | 289.00 |
| | ▪ | 400 x 400 | 1 | 0478 117 | 364.00 |
| | ▪ | 500 x 400 | 1 | 0478 118 | 406.00 |
| | ▪ | 500 x 500 | 1 | 0478 119 | 524.00 |
| | ▪ | 600 x 500 | 1 | 0478 121 | 578.00 |
| | ▪ | 800 x 500 | 1 | 0478 124 | 962.00 |
| | ▪ | 1000 x 600 | 1 | 0478 127 | 1710.00 |

## 0482 Lapping and inspection plate



### Model

- High grade cast iron
- Finely ground
- One side for lapping with rectangular grooves
- One side as inspection plate flat straight trough

### Delivery

- Wooden case

| ⋈ | | Base dimensions | Order no. | List price EUR |
|---|---|---|---|---|
| | ▪ | 360 x 260 x 65 | 0482 101 | 468.00 |

## 0481 Measuring and inspection plates



**Model**

- Granite
- Flatness in accordance to DIN 876-1
- Acid resistant
- Steel ball inserts

**Delivery**

- Without base stand (option)

DIN 876-1

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| **Accuracy grade 00** | | | | |
| | ▪ | 400 x 400 x 50 | 0481 023 | 302.00 |
| | ▪ | 500 x 400 x 90 | 0481 024 | 437.00 |
| | ▪ | 600 x 500 x 100 | 0481 025 | 657.00 |
| | ▪ | 800 x 600 x 120 | 0481 028 | 1091.00 |
| | ▪ | 1000 x 600 x 140 | 0481 030 | 1246.00 |
| | ▪ | 1200 x 800 x 160 | 0481 034 | 2056.00 |
| **Accuracy grade 0** | | | | |
| | ▪ | 400 x 400 x 50 | 0481 043 | 257.00 |
| | ▪ | 500 x 400 x 90 | 0481 044 | 375.00 |
| | ▪ | 600 x 500 x 100 | 0481 045 | 557.00 |
| | ▪ | 800 x 600 x 120 | 0481 048 | 935.00 |
| | ▪ | 1000 x 600 x 140 | 0481 050 | 1185.00 |
| | ▪ | 1200 x 800 x 160 | 0481 054 | 1869.00 |
| **Accuracy grade 1** | | | | |
| | ▪ | 400 x 400 x 50 | 0481 103 | 220.00 |
| | ▪ | 500 x 400 x 90 | 0481 104 | 319.00 |
| | ▪ | 600 x 500 x 100 | 0481 105 | 486.00 |
| | ▪ | 800 x 600 x 120 | 0481 108 | 810.00 |
| | ▪ | 1000 x 600 x 140 | 0481 110 | 1078.00 |
| | ▪ | 1200 x 800 x 160 | 0481 114 | 1715.00 |

## 0478 Base stand for inspection plates



| ⋈ | | For plate size mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 400 x 400 | 0478 907 | 275.00 |
| | | 500 x 400 | 0478 908 | 275.00 |
| | | 500 x 500 | 0478 909 | 295.00 |
| | ▪ | 600 x 500 | 0478 911 | 310.00 |
| | ▪ | 800 x 500 | 0478 914 | 350.00 |
| | ▪ | 1000 x 600 | 0478 917 | 420.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0481 Base stand for surface and inspection plates



| | | For plate size mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 400 x 400 | 0481 160 | 339.00 |
| | | 500 x 400 | 0481 161 | 351.00 |
| | ▪ | 600 x 500 | 0481 162 | 370.00 |
| | ▪ | 800 x 600 | 0481 165 | 395.00 |
| | ▪ | 1000 x 600 | 0481 167 | 414.00 |
| | ▪ | 1200 x 800 | 0481 170 | 470.00 |

## 0481 Cabinet for measuring and inspection plates



**Model**

- Frame is made of angled steel and is completely panelled with steel
- Adjustable 3 point bearing fitting
- 2 adjustable screws for stability
- Lockable doors
- Shelves are removable
- Feet are adjustable to compensate for unevenness of the floor
- 1 door, 1 shelf

| | | For plate size mm | Description | Order no. | List price EUR |
|---|---|---|---|---|---|
| | ▪ | 600 x 500 | 1 door, 1 shelf | 0481 184 | 1098.00 |
| | ▪ | 800 x 600 | 1 door, 1 shelf | 0481 186 | 1209.00 |
| | ▪ | 1000 x 600 | 2 doors, 1 drawer, 1 shelf | 0481 188 | 1255.00 |
| | ▪ | 1200 x 800 | 2 doors, 1 drawer, 1 shelf | 0481 190 | 1403.00 |

## 0544 Angle normal 90°, triangular



**Model**

- Made of black granite
- From 600 x 400 mm with weight reducing holes

| | | Length mm | Width mm | Height mm | Angle accuracy mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 150 | 40 | 200 | 0,002 | 0544 101 | 332.00 |
| | | 200 | 50 | 300 | 0,002 | 0544 102 | 512.00 |
| | | 250 | 60 | 400 | 0,003 | 0544 103 | 709.00 |
| | | 300 | 60 | 500 | 0,003 | 0544 104 | 896.00 |
| | ▪ | 400 | 70 | 600 | 0,004 | 0544 105 | 1524.00 |
| | ▪ | 500 | 90 | 800 | 0,004 | 0544 106 | 2296.00 |
| | ▪ | 600 | 100 | 1000 | 0,004 | 0544 107 | 4381.00 |

## 0513 Sinus rules

DIN 2273



0513 001



0513 011

**Model**

- Special steel, hardened
- DIN 2273

**Delivery**

- With sinus table
- Cardboard box

| ⋈ | ⟋ | Roller spacing mm | Length tolerance mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Without stop type B** | | | | | |
| | | 100 | 0.002 | 0513 001 | 165.00 |
| | | 200 | 0.004 | 0513 002 | 190.00 |
| **With stop type A** | | | | | |
| | | 100 | 0.002 | 0513 011 | 180.00 |
| | | 200 | 0.004 | 0513 012 | 210.00 |

## 0504 V-blocks (pair)





**Model**

- Special cast iron
- 90° grooves
- Machined in pairs

**Delivery**

- In pairs
- Cardboard box

| ⋈ | ⟋ | Base dimensions mm | For shaft dia. mm | Accuracy grade | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| **Parallelism tolerance < 0.008 mm, V-grooves and base finely grinded** | | | | | | |
| | | 100 x 40 x 30 | 6 - 40 | 0 | 0504 012 | 89.00 |
| | | 150 x 50 x 40 | 8 - 50 | 0 | 0504 013 | 139.00 |
| | | 200 x 70 x 50 | 8 - 70 | 0 | 0504 014 | 214.00 |
| **Parallelism tolerance < 0.016 mm, V-grooves and base grinded** | | | | | | |
| | | 100 x 40 x 30 | 6 - 40 | 1 | 0504 112 | 63.00 |
| | | 150 x 50 x 40 | 8 - 50 | 1 | 0504 113 | 84.00 |
| | | 200 x 70 x 50 | 8 - 70 | 1 | 0504 114 | 139.00 |
| **Parallelism tolerance < 0.064 mm, V-grooves and base milled** | | | | | | |
| | | 100 x 40 x 30 | 6 - 40 | 3 | 0504 312 | 43.70 |
| | | 150 x 50 x 40 | 8 - 50 | 3 | 0504 313 | 64.00 |
| | | 200 x 70 x 50 | 8 - 70 | 3 | 0504 314 | 106.00 |



⟋ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0520 V-blocks (pair)




### Model

- Special steel, hardened
- Flatness, parallelism and right-angled tolerance is 0.004 mm
- 90° grooves, machined in pairs
- End face and base are angular

### Delivery

- In pairs
- Cardboard box

| ⋈ | | Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 75 x 35 x 30 | 5 - 40 | 0520 101 | 128.00 |
| | | 100 x 47 x 40 | 5 - 55 | 0520 102 | 168.00 |
| | | 150 x 55 x 45 | 5 - 60 | 0520 103 | 223.00 |
| | | 200 x 65 x 55 | 5 - 75 | 0520 104 | 311.00 |
| | | 250 x 85 x 70 | 5 - 100 | 0520 105 | 425.00 |

## 0508 Pair of X type V-blocks (parallel)



### Model

- Factory standard
- Special cast iron
- 4 x 90° grooves. different sizes

### Delivery

- In pairs
- Cardboard box

| ⋈ | | Base dimensions mm | For shaft dia. mm | Accuracy grade | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| Parallelism tolerance < 0.008 mm, V-grooves and base finely grinded | | | | | | |
| | | 60 x 120 x 100 | 8 - 80 | 0 | 0508 011 | 295.00 |
| | | 75 x 150 x 130 | 8 - 130 | 0 | 0508 012 | 355.00 |
| | ▪ | 90 x 200 x 170 | 12 - 180 | 0 | 0508 013 | 520.00 |
| Parallelism tolerance < 0.016 mm, V-grooves and base grinded | | | | | | |
| | | 60 x 120 x 100 | 8 - 80 | 1 | 0508 111 | 255.00 |
| | | 75 x 150 x 130 | 8 - 130 | 1 | 0508 112 | 315.00 |
| | ▪ | 90 x 200 x 170 | 8 - 180 | 1 | 0508 113 | 480.00 |

## 0522 Double V-blocks (pairs) with clamp



**Model**

- Special steel, hardened
- Flatness, parallelism and right-angled tolerance is 0.004 mm
- 2 x 90° grooves
- Machined in pairs
- End face and base are angular

**Delivery**

- In pairs
- Cardboard box

| ⋈ | | Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 50 x 40 x 40 | 5 - 30 | 0522 101 | 196.00 |
| | | 75 x 55 x 55 | 5 - 50 | 0522 102 | 239.00 |
| | | 100 x 75 x 75 | 7 - 70 | 0522 103 | 345.00 |

## 0524 Double V-blocks (pairs) with clamp lateral tilting



**Model**

- Special steel, hardened
- Flatness, parallelism and right-angled tolerance is 0.004 mm
- 2 x 90° grooves
- Machined in pairs
- End face and base are angular

**Delivery**

- In pairs
- Cardboard box

| ⋈ | | Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 60 x 58 x 40 | 5 - 30 | 0524 101 | 179.00 |
| | | 75 x 70 x 54 | 5 - 30 | 0524 102 | 267.00 |
| | | 100 x 96 x 75 | 7 - 70 | 0524 103 | 401.00 |

## 0522 Clamp for double V-blocks (pairs)



**Delivery**

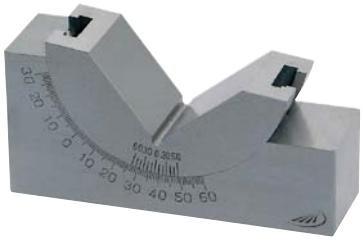
- In pairs
- Cardboard box

| ⋈ | | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 50 | 0522 111 | 19.70 |
| | | 75 | 0522 112 | 26.00 |
| | | 100 | 0522 113 | 33.20 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0525 Adjustable V-blocks 0-60°



**Model**

- Special steel, hardened
- Locking device
- Nonius reading

**Delivery**

- Cardboard box

| Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|
| 75 x 25 x 33 | 4 - 28 | 0525 101 | 115.00 |
| 102 x 30 x 46 | 4 - 40 | 0525 102 | 123.00 |
| 102 x 46 x 46 | 4 - 40 | 0525 103 | 131.00 |

## 0527 Magnetic measuring and clamping prism



**Model**

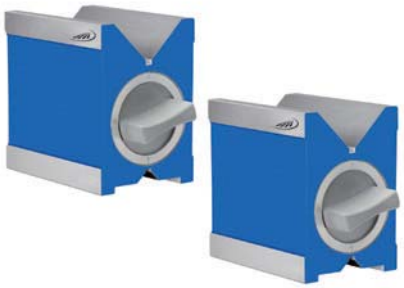
- Flatness, parallelism and right-angled tolerance is 4 µm
- Magnet can be switched ON/OFF
- Magnetic force 600 N

**Delivery**

- Cardboard box

| Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 80 x 67 x 96 | 6 - 66 | 0527 101 | 326.00 |
| 100 x 70 x 96 | 6 - 70 | 0527 102 | 452.00 |
| **Special steel, hardened** | | | |
| 80 x 67 x 96 | 6 - 66 | 0527 107 | 387.00 |
| 100 x 70 x 96 | 6 - 70 | 0527 108 | 539.00 |

## 0527 Magnetic measuring and clamping prism (pairs)



**Model**

- Grinded in pairs

**Delivery**

- In pairs
- Cardboard box

| Base dimensions mm | For shaft dia. mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 80 x 67 x 96 | 6 - 66 | 0527 104 | 641.00 |
| 100 x 70 x 96 | 6 - 70 | 0527 105 | 896.00 |
| **Special steel, hardened** | | | |
| 80 x 67 x 96 | 6 - 66 | 0527 110 | 823.00 |
| 100 x 70 x 96 | 6 - 70 | 0527 111 | 1066.00 |

## 0536 Set of parallel blocks



0536 202



0536 211

**Model**

- Special steel, hardened

**Delivery**

- Wooden case

| ⋈ | | Measuring range mm | Height mm | Width mm | Number of blocks | Height tolerance µm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| **Set consists of 9 pairs, length 100 mm** | | | | | | | | |
| | | 10 - 42 | 10 / 14 / 18 / 22 / 26 / 30 / 34 / 38 / 42 | 4 | 9 | ± 5 | 0536 220 | 99.00 |
| **Set consists of 9 pairs, length 150 mm** | | | | | | | | |
| | | 10 - 42 | 10 / 14 / 18 / 22 / 26 30 / 34 / 38 / 42 | 4 | 9 | ± 5 | 0536 230 | 135.00 |
| **Set consists of 12 pairs, length 120 mm** | | | | | | | | |
| | | 14 - 40 | 14 / 16 / 18 / 20 22 / 24 / 26 / 28 30 / 32 / 35 / 40 | 10 | 12 | ± 5 | 0536 201 | 375.00 |
| **Set consists of 14 pairs, length 150 mm** | | | | | | | | |
| | | 14 - 50 | 14 / 16 / 18 / 20 22 / 24 / 26 / 28 30 / 32 / 35 / 40 45 / 50 | 10 | 14 | ± 5 | 0536 202 | 420.00 |
| **Set consists of 20 pairs, length 100 mm** | | | | | | | | |
| | | 2 - 24 | 5 / 10 / 15 / 20 6 / 11 / 16 / 21 7 / 12 / 17 / 22 8 / 13 / 18 / 23 9 / 14 / 19 / 24 | 2 3 4 5 6 | 20 | ± 5 | 0536 211 | 524.00 |
| **Set consists of 24 pairs, length 125 mm** | | | | | | | | |
| | | 8 - 42 | 11 / 16 / 21 / 26 / 31 / 36 13 / 18 / 23 / 28 / 33 / 38 15 / 20 / 25 / 30 / 35 / 40 17 / 22 / 27 / 32 / 37 / 42 | 8 10 12 14 | 24 | ± 5 | 0536 212 | 619.00 |
| **Set consists of 24 pairs, length 150 mm** | | | | | | | | |
| | | 8 - 42 | 11 / 16 / 21 / 26 / 31 / 36 13 / 18 / 23 / 28 / 33 / 38 15 / 20 / 25 / 30 / 35 / 40 17 / 22 / 27 / 32 / 37 / 42 | 8 10 12 14 | 24 | ± 5 | 0536 213 | 624.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0550 Machine levels



DIN 877

### Model

- DIN 877
- V-groove in the base
- Longitudinal level grinded and graduated
- Transverse level
- Thermally insulated

### Delivery

- Case

| Length mm | Order no. | List price EUR |
|---|---|---|
| **Reading 0.02 mm/m** | | |
| 160 | 0550 021 | 255.00 |
| 200 | 0550 022 | 280.00 |
| 250 | 0550 023 | 305.00 |
| 300 | 0550 024 | 330.00 |
| **Reading 0.1 mm/m** | | |
| 160 | 0550 101 | 180.00 |
| 200 | 0550 102 | 205.00 |
| 250 | 0550 103 | 230.00 |
| 300 | 0550 104 | 255.00 |
| **Reading 0.3 mm/m** | | |
| 160 | 0550 131 | 140.00 |
| 200 | 0550 132 | 165.00 |
| 250 | 0550 133 | 190.00 |
| 300 | 0550 134 | 215.00 |

## 0551 Crankpin levels



DIN 877

### Model

- DIN 877
- With a longitudinal and a transverse level
- Longitudinal level grinded and graduated

### Delivery

- Case

| Length mm | Order no. | List price EUR |
|---|---|---|
| **Reading 0.04 mm/m** | | |
| 90 | 0551 002 | 270.00 |
| 120 | 0551 003 | 322.00 |
| **Reading 0.1 mm/m** | | |
| 90 | 0551 012 | 171.00 |
| 120 | 0551 013 | 192.00 |
| **Reading 0.2 mm/m** | | |
| 60 | 0551 021 | 161.00 |

## 0556 Frame levels



DIN 877

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| **Reading 0.02 mm/m** | | | | |
| | | 150 x 150 | 0556 022 | 490.00 |
| | | 200 x 200 | 0556 023 | 560.00 |
| | | 300 x 300 | 0556 024 | 790.00 |
| **Reading 0.1 mm/m** | | | | |
| | | 100 x 100 | 0556 101 | 300.00 |
| | | 150 x 150 | 0556 102 | 350.00 |
| | | 200 x 200 | 0556 103 | 440.00 |
| | | 300 x 300 | 0556 104 | 700.00 |
| **Reading 0.3 mm/m** | | | | |
| | | 100 x 100 | 0556 131 | 250.00 |
| | | 150 x 150 | 0556 132 | 300.00 |
| | | 200 x 200 | 0556 133 | 460.00 |
| | | 300 x 300 | 0556 134 | 550.00 |

**Model**

- DIN 877
- V-grooves on 3 sides
- Longitudinal level
- Grinded and graduated
- Transverse level
- Thermally insulated

**Delivery**

- Case

## 0560 Protractor level



**Model**

- Made of special steel
- With degree scale
- Flat base
- 1° to 0-90°
- Ideal for levelling, determining centre points and adjusting angles

**Delivery**

- Case

| ⋈ | | Base dimensions mm | Readings minutes | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Reading 0.04 mm/m** | | | | | |
| | | 200 x 200 | 6 | 0560 001 | 294.00 |

## 0563 Magnetic angle gauge




**Model**

- Centre punch
- Dial face 360°
- Magnetic 90° splayed base

**Delivery**

- Cardboard box

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0563 001 | 400.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0580 Combined lathe and thread cutting gauge




**Model**

- Special steel
- Cuts for trapezoidal (Acme), Whitworth and metric threads

| Base dimensions mm | Measuring range | Order no. | List price EUR |
|---|---|---|---|
| 90 x 40 x 2 | 40-80° | 0580 101 | 7.10 |

## 0580 Combined lathe and thread cutting gauge




**Model**

- Special steel
- Cuts for trapezoidal (Acme), Whitworth and metric threads
- With clearance angle

| Base dimensions mm | Measuring range | Order no. | List price EUR |
|---|---|---|---|
| 90 x 40 x 2 | 0-30° and 40-80° | 0580 111 | 10.30 |

## 0580 Combined lathe and thread cutting gauge




**Model**

- Special steel
- For square threads and trapezoidal threads, Whitworth and metric threads

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| 90 x 40 x 2 | 0580 121 | 7.20 |

## 0580 Universal thread cutting gauge



**Model**

- Special steel
- For V-threads and square threads

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| 90 x 40 x 2 | 0580 151 | 3.00 |

## 0595 ACME Thread gauge




**Model**

- Special steel
- Cuts for trapezoidal threads

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 60 x 20 x 2 | 0595 130 | 3.00 |

## 0595 Thread cutting gauge




**Model**

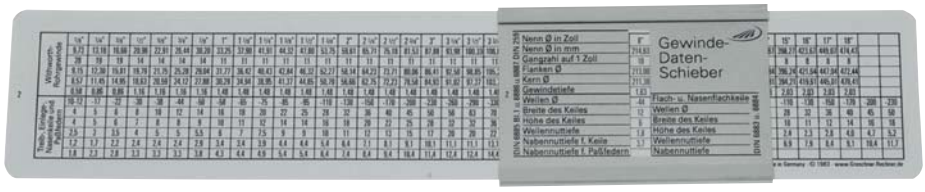
- Special steel
- Cuts for Whitworth or metric threads

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| **Metric ISO - threads 60°** | | | | |
| | | 74 x 24 x 2 | 0595 142 | 2.60 |
| **Whithworth - threads 55°** | | | | |
| | | 74 x 24 x 2 | 0595 140 | 2.60 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0581 DIN thread conversion and fit slide rules




0581 101



0581 123

**Model**

- For reading the most important theoretical dimensions of thread tolerance

| | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| **Aluminium anodized** | | | | |
| | | Fine thread slide rule | 0581 101 | 20.70 |
| | | DIN thread slide rule | 0581 103 | 14.00 |
| | | DIN fit slide rule | 0581 105 | 19.20 |
| **Plastic** | | | | |
| | | DIN thread slide rule | 0581 123 | 10.10 |
| | | DIN fit slide rule | 0581 125 | 8.80 |

## 0582 ISO thread converter - Filetor




**Model**

- For direct reading of all standard information for determining of threads
- Plastic housing

| | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 60 x 30 x 110 | 0582 110 | 59.00 |

## 0582 ISO tolerance indicator - Tolerator




**Model**

- For direct reading of all standard information of all ISO-tolerance values
- Plastic housing

| | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 60 x 30 x 110 | 0582 120 | 59.00 |

## 0582 mm/inch converter




**Model**

- Direct reading of inch to millimeter conversion
- Plastic housing

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 60 x 30 x 110 | 0582 130 | 59.00 |

## 0589 Profile gauge

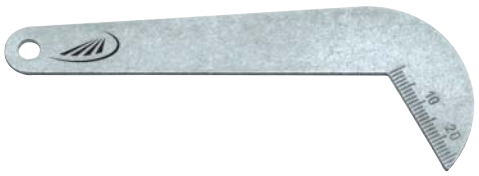


**Model**

- Spring pins
- Pin-dia. 1.0 mm

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 154 x 85 | 0589 101 | 16.20 |
| | | 350 x 150 | 0589 103 | 49.50 |

## 0590 Twist drill grindling gauge



**Model**

- Special steel
- For twist drills
- Acute angle of 118°

| ⋈ | | Max. Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 50 | 0590 101 | 1.70 |

## 0590 Twist drill grinding and inspection gauge



**Model**

- Special steel
- Measure the length of the cutting edge and the cutting angle of 118°
- Locking screw

| ⋈ | | Readings mm mm | Max. Diameter mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0.10 | 50 | 0590 111 | 62.00 |



Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0590 Universal grinding gauge




**Model**

- Special steel
- Scales in mm graduation
- Angles 120°. 118°. 90°. 60° and 55°

| Base dimensions | Order no. | List price EUR |
|---|---|---|
| 95 x 63 x 2 | 0590 151 | 3.30 |

## 0595 Welding gauge blank



**Model**

- Special steel
- Pure
- For easy testing of fillet weld thicknesses of rectangular parts

| For measuring range mm | Order no. | List price EUR |
|---|---|---|
| 3 - 12 | 0595 110 | 12.70 |

## 0595 Welding gauge blank




**Model**

- Aluminium
- Pure, for fast reading of the weld dimensions

| For measuring range mm | Order no. | List price EUR |
|---|---|---|
| 0 - 5 | 0595 115 | 3.60 |

## 0595 Welding gauge

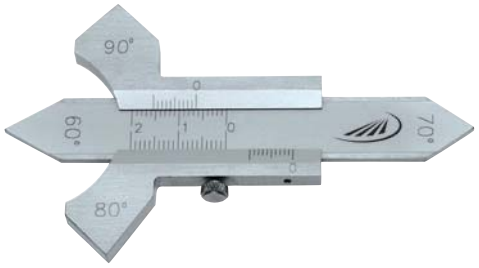


**Model**

- Stainless steel
- Reading accuracy 0.2 mm
- Easy to read the result due to the reference line in the reading window
- Quick and easy inspection of welding seam heights

| Base dimensions | Order no. | List price EUR |
|---|---|---|
| 108 x 81.5 x 3.2 | 0595 251 | 87.00 |

## 0595 Welding gauge




**Model**

- Special steel
- Locking screw
- Angle 60°, 70°, 80° and 90°; to measure the height of flat welds and fillet weld thicknesses

| | | Measuring range mm | Readings mm mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 20 | 0.10 | 0595 101 | 20.30 |

## 0597 Radius gauge





**Model**

- To determine radius size work-pieces
- Stainless steel
- Reading parts are satin chrome finished

**Delivery**

- Wooden case

| | | Measuring range mm | Readings mm mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 10 | 0.10 | 0597 305 | 168.00 |

## 0597 Chamfer gauge





**Model**

- Stainless steel
- Reading 0.1 mm
- Reading parts are satin chrome finished
- For simultaneously testing of the chamfer angle and the dimensional accuracy
- Dimensions: 48 x 30 x 8.5 mm

**Delivery**

- 3 interchangeable blades: 30°, 45°, 60°

| | | Measuring range mm | Readings mm mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 10 | 0.10 | 0597 301 | 168.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0598 Tapered hole gauges



0598 101

**Model**

- Reading parts are non glare matted
- Special steel

| Measuring range mm | Readings mm | Order no. | List price EUR |
|---|---|---|---|
| **Special steel** | | | |
| 0.5 - 11 | 0.10 | 0598 101 | 46.80 |
| 0.5 - 7 | 0.10 | 0598 103 | 46.80 |
| 2 - 7 | 0.10 | 0598 105 | 46.80 |
| **Plastic** | | | |
| 0.5 - 11 | 0.10 | 0598 601 | 46.80 |

## 0599 Nozzle / small hole gauges

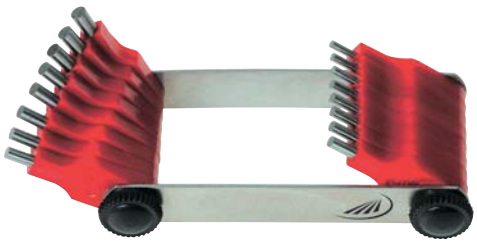


**Model**

- Special steel
- Reading 0.1 mm
- Cone 1:10
- Nickel plated housing

| Measuring range mm | Readings mm | Order no. | List price EUR |
|---|---|---|---|
| 0 - 3 | 0.10 | 0599 101 | 46.80 |
| 0 - 5 | 0.10 | 0599 102 | 57.00 |

## 0599 Nozzle gauges



**Model**

- With steel pins
- Plastic handle
- Manufacturing tolerance± 0.01 mm

| Measuring range mm | Increment mm | Number of pins | Order no. | List price EUR |
|---|---|---|---|---|
| 0.45 - 1.5 | 0.05 | 20 | 0599 151 | 6.80 |
| 1.5 - 3 | 0.1 | 16 | 0599 152 | 6.80 |

## 0600 Tapered hole gauges

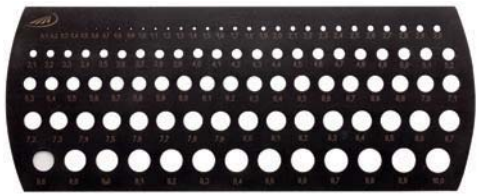



**Model**

- Reading 0.1 mm

| ⋈ | | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| **Special steel, flat** | | | | |
| | | 1 - 15 | 0600 101 | 24.80 |
| | | 15 - 30 | 0600 102 | 31.00 |
| | | 30 - 45 | 0600 103 | 33.20 |
| **Hardened stainless steel, round, knurled handle** | | | | |
| | | 1 - 6 | 0600 111 | 53.00 |
| | | 4 - 15 | 0600 112 | 70.00 |
| | | 14 - 30 | 0600 113 | 146.00 |
| | | 30 - 45 | 0600 114 | 227.00 |
| | | 45 - 60 | 0600 115 | 365.00 |

## 0601 Drill and steel wire hole gauges (millimeter)



**Model**

- Special steel, nitrided

| ⋈ | | Measuring range mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0.1 - 10 | 0.1 | 0601 103 | 87.00 |
| | | 3 - 10 | 0.1 | 0601 120 | 66.00 |

## 0604 Radius gauges




**Model**

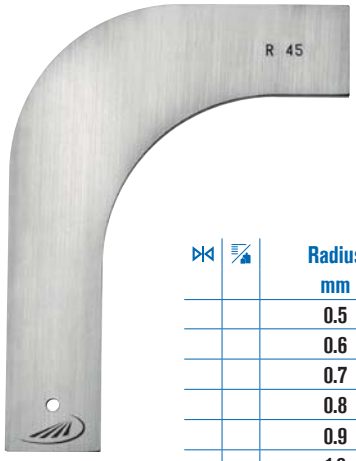
- Concave and convex
- Locking nut
- Milled finish

| ⋈ | | Measuring range mm | Number of blades | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Special steel** | | | | | |
| | | 1 - 7 | 17 | 0604 002 | 6.50 |
| | | 7.5 - 15 | 16 | 0604 004 | 7.20 |
| | | 15.5 - 25 | 15 | 0604 006 | 7.20 |
| **Stainless steel** | | | | | |
| | | 1 - 7 | 17 | 0604 202 | 8.60 |
| | | 7.5 - 15 | 16 | 0604 204 | 10.70 |
| | | 15.5 - 25 | 15 | 0604 206 | 10.70 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0604 Precision individual radius gauges




**Model**

- Special steel
- Factory standard
- Fine grinded
- For internal and external radii
- Custom sizes are available upon request

| Radius mm | Order no. | List price EUR |
|---|---|---|
| 0.5 | 0604 013 | 51.00 |
| 0.6 | 0604 014 | 51.00 |
| 0.7 | 0604 015 | 51.00 |
| 0.8 | 0604 016 | 51.00 |
| 0.9 | 0604 017 | 51.00 |
| 1.0 | 0604 018 | 51.00 |
| 1.5 | 0604 019 | 51.00 |
| 2.0 | 0604 020 | 51.00 |
| 2.5 | 0604 021 | 51.00 |
| 3.0 | 0604 022 | 51.00 |
| 3.5 | 0604 023 | 51.00 |
| 4.0 | 0604 024 | 51.00 |
| 4.5 | 0604 025 | 33.00 |
| 5.0 | 0604 026 | 33.00 |
| 5.5 | 0604 027 | 33.00 |
| 6.0 | 0604 028 | 33.00 |
| 6.5 | 0604 029 | 33.00 |
| 7.0 | 0604 030 | 33.00 |
| 7.5 | 0604 031 | 33.00 |
| 8.0 | 0604 032 | 33.00 |
| 8.5 | 0604 033 | 33.00 |
| 9.0 | 0604 034 | 33.00 |
| 9.5 | 0604 035 | 33.00 |
| 10.0 | 0604 036 | 33.00 |
| 10.5 | 0604 037 | 34.70 |
| 11.0 | 0604 038 | 34.70 |
| 11.5 | 0604 039 | 34.70 |
| 12.0 | 0604 040 | 34.70 |
| 12.5 | 0604 041 | 34.70 |
| 13.0 | 0604 042 | 34.70 |
| 13.5 | 0604 043 | 34.70 |
| 14.0 | 0604 044 | 34.70 |
| 14.5 | 0604 045 | 34.70 |
| 15.0 | 0604 046 | 34.70 |
| 15.5 | 0604 047 | 36.60 |
| 16.0 | 0604 048 | 36.60 |
| 16.5 | 0604 049 | 36.60 |
| 17.0 | 0604 050 | 36.60 |
| 17.5 | 0604 051 | 36.60 |
| 18.0 | 0604 052 | 36.60 |
| 18.5 | 0604 053 | 36.60 |
| 19.0 | 0604 054 | 36.60 |

| Radius mm | Order no. | List price EUR |
|---|---|---|
| 19.5 | 0604 055 | 36.60 |
| 20.0 | 0604 056 | 36.60 |
| 21.0 | 0604 057 | 38.10 |
| 22.0 | 0604 058 | 38.10 |
| 23.0 | 0604 059 | 38.10 |
| 24.0 | 0604 060 | 38.10 |
| 25.0 | 0604 061 | 38.10 |
| 26.0 | 0604 062 | 38.10 |
| 27.0 | 0604 063 | 38.10 |
| 28.0 | 0604 064 | 38.10 |
| 29.0 | 0604 065 | 38.10 |
| 30.0 | 0604 066 | 38.10 |
| 31.0 | 0604 067 | 41.60 |
| 32.0 | 0604 068 | 41.60 |
| 33.0 | 0604 069 | 41.60 |
| 34.0 | 0604 070 | 41.60 |
| 35.0 | 0604 071 | 41.60 |
| 36.0 | 0604 072 | 41.60 |
| 37.0 | 0604 073 | 41.60 |
| 38.0 | 0604 074 | 41.60 |
| 39.0 | 0604 075 | 41.60 |
| 40.0 | 0604 076 | 41.60 |
| 41.0 | 0604 077 | 50.00 |
| 42.0 | 0604 078 | 50.00 |
| 43.0 | 0604 079 | 50.00 |
| 44.0 | 0604 080 | 50.00 |
| 45.0 | 0604 081 | 50.00 |
| 46.0 | 0604 082 | 50.00 |
| 47.0 | 0604 083 | 50.00 |
| 48.0 | 0604 084 | 50.00 |
| 49.0 | 0604 085 | 50.00 |
| 50.0 | 0604 086 | 50.00 |
| 55.0 | 0604 087 | 54.00 |
| 60.0 | 0604 088 | 57.00 |
| 65.0 | 0604 089 | 60.00 |
| 70.0 | 0604 090 | 69.00 |
| 75.0 | 0604 091 | 69.00 |
| 80.0 | 0604 092 | 69.00 |
| 85.0 | 0604 093 | 69.00 |
| 90.0 | 0604 094 | 69.00 |
| 95.0 | 0604 095 | 69.00 |
| 100.0 | 0604 096 | 69.00 |

## 0605 Screw pitch gauges




| ⋈ | | Measuring range mm | Number of devices | Description | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 0.25 - 6 | 24 | Metric threads according to ISO | 0605 101 | 2.40 |
| | | 0.4 - 7 | 20 | Combined metric threads according to SI System | 0605 102 | 2.20 |
| | | 4 - 62 | 28 | Whitworth threads according to DIN | 0605 103 | 2.20 |
| | | 8 - 28 | 6 | Whitworth pipe threads | 0605 104 | 2.20 |
| | | 0.4 - 7.0 / 4 - 62 | 48 | Combined metric SI and Whitworth threads | 0605 105 | 3.30 |
| | | 0.25 - 6.00 / 4 - 62 | 52 | Combined metric and Whitworth | 0605 106 | 3.50 |
| | | 0.25 - 6.00 / 4 - 62 / 8 - 28 | 58 | Metric Whitworth and pipe threads | 0605 107 | 4.90 |
| | | 4 - 42 | 30 | US – threads | 0605 108 | 2.90 |
| | | 10 - 40 | 14 | US - threads SAE | 0605 109 | 3.10 |
| | | 4 - 64 | 22 | UNC – threads | 0605 110 | 2.90 |
| | | 12 - 80 | 16 | UNF – threads | 0605 111 | 2.90 |
| | | 4 - 26 | 20 | BSF – threads | 0605 112 | 3.30 |

## 0606 / 0607 Feeler gauges




0606 121




0607 201




0607 401

**Model**

- Conical blades
- Width 10mm
- Blade length 100
- Locking nut

| ⋈ | | Measuring range mm | Number of blades | Order no. | List price EUR |
|---|---|---|---|---|---|
| **Spring band steel** | | | | | |
| | | 0.03 - 0.1 | 8 | 0606 121 | 1.50 |
| | | 0.05 - 0.5 | 8 | 0606 123 | 1.50 |
| | | 0.05 - 1 | 13 | 0606 127 | 1.50 |
| | | 0.05 - 1 | 20 | 0606 130 | 2.40 |
| | | 0.1 - 2 | 20 | 0606 131 | 5.90 |
| | | 0.1 - 0.5 | 21 | 0606 132 | 2.90 |
| | | 0.05 - 2 | 21 | 0606 133 | 5.40 |
| | | 0.03 - 1 | 32 | 0606 136 | 4.90 |
| **Stainless spring band steel** | | | | | |
| | | 0.05 - 0.5 | 8 | 0607 201 | 3.70 |
| | | 0.05 - 1 | 13 | 0607 202 | 5.90 |
| | | 0.05 - 1 | 20 | 0607 203 | 8.40 |
| **Brass (anti-magnetic)** | | | | | |
| | | 0.05 - 0.5 | 8 | 0607 401 | 6.30 |
| | | 0.05 - 1 | 13 | 0607 402 | 7.80 |
| | | 0.05 - 1 | 20 | 0607 403 | 11.10 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0606 Feeler gauges, long version



**Model**

- Cylindrical blades
- Width 13 mm

| Measuring range mm | Length mm | Number of blades | Order no. | List price EUR |
|---|---|---|---|---|
| 0.05 - 0.5 | 150 | 8 | 0606 150 | 3.30 |
| 0.05 - 0.5 | 200 | 8 | 0606 152 | 3.90 |
| 0.05 - 0.5 | 300 | 8 | 0606 154 | 5.70 |
| 0.05 - 1 | 200 | 13 | 0606 160 | 8.50 |
| 0.05 - 1 | 300 | 13 | 0606 162 | 9.80 |
| 0.05 - 1 | 200 | 20 | 0606 170 | 10.30 |
| 0.05 - 1 | 300 | 20 | 0606 172 | 13.00 |
| 0.1 - 2 | 200 | 20 | 0606 176 | 17.20 |
| 0.1 - 2 | 300 | 20 | 0606 178 | 25.10 |

## 0608 Feeler gauge




NEW

**Model**

- Conical blade
- Width 10 mm

| Measuring range mm | Number of blades | Order no. | List price EUR |
|---|---|---|---|
| 0.1 - 0.4 | 6 | 0608 140 | 1.85 |
| 0.05 - 1 | 13 | 0608 143 | 4.45 |
| 0.05 - 1 | 20 | 0608 144 | 6.95 |
| 0.03 - 1 | 32 | 0608 149 | 15.95 |

## 0611 Feeler gauge tapes in single boxes




### Model

- Hardened carbon steel
- Width 12.7 mm
- Length 5 m
- Tape from 0.08 mm upwards marked with dimension

### Delivery

- Plastic box

| ⋈ | | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 0.005 | 0611 300 | 76.00 |
| | | 0.01 | 0611 501 | 30.00 |
| | | 0.02 | 0611 502 | 24.90 |
| | | 0.03 | 0611 503 | 8.60 |
| | | 0.04 | 0611 504 | 8.60 |
| | | 0.05 | 0611 505 | 6.50 |
| | | 0.06 | 0611 506 | 6.80 |
| | | 0.07 | 0611 507 | 6.80 |
| | | 0.08 | 0611 508 | 6.80 |
| | | 0.09 | 0611 509 | 6.80 |
| | | 0.1 | 0611 510 | 5.80 |
| | | 0.12 | 0611 512 | 5.80 |
| | | 0.15 | 0611 515 | 5.80 |
| | | 0.18 | 0611 518 | 7.60 |
| | | 0.2 | 0611 520 | 5.80 |
| | | 0.25 | 0611 525 | 5.80 |
| | | 0.3 | 0611 530 | 6.70 |
| | | 0.35 | 0611 535 | 6.70 |
| | | 0.4 | 0611 540 | 7.70 |
| | | 0.45 | 0611 545 | 7.70 |
| | | 0.5 | 0611 550 | 7.70 |
| | | 0.55 | 0611 552 | 9.90 |
| | | 0.6 | 0611 554 | 9.90 |
| | | 0.65 | 0611 556 | 9.90 |
| | | 0.7 | 0611 558 | 9.90 |
| | | 0.75 | 0611 560 | 9.90 |
| | | 0.8 | 0611 562 | 9.90 |
| | | 0.85 | 0611 564 | 10.10 |
| | | 0.9 | 0611 566 | 10.60 |
| | | 0.95 | 0611 568 | 10.60 |
| | | 1 | 0611 570 | 10.60 |

## 0611 Set of feeler gauge tapes in wallholder




### Model

- Refillable with selected feeler gauges
- Wall holder made of steel, gloss coated
- With size labels

### Delivery

- With holder and mounting fittings

| ⋈ | | Base dimensions mm | Measuring range mm | Number of boxes | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| | | 330 x 100 x 110 | 0.01 - 0.25 | 15 | 0611 180 | 149.00 |
| | | 330 x 210 x 220 | 0.3 - 1 | 15 | 0611 190 | 169.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0612 Feeler gauge tapes in single boxes - INOX




NEW

**Model**

- Stainless steel
- Width 12.7 mm
- Length 5 m
- Tape from 0.08 mm upwards marked with dimension

**Delivery**

- Plastic box

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 0.01 | 0612 501 | 39.50 |
| 0.02 | 0612 502 | 33.00 |
| 0.03 | 0612 503 | 11.50 |
| 0.04 | 0612 504 | 11.50 |
| 0.05 | 0612 505 | 8.50 |
| 0.06 | 0612 506 | 8.90 |
| 0.07 | 0612 507 | 8.90 |
| 0.08 | 0612 508 | 8.90 |
| 0.09 | 0612 509 | 8.90 |
| 0.1 | 0612 510 | 7.70 |
| 0.12 | 0612 512 | 7.70 |
| 0.15 | 0612 515 | 7.70 |
| 0.18 | 0612 518 | 9.90 |
| 0.2 | 0612 520 | 7.70 |
| 0.25 | 0612 525 | 7.70 |

## 0612 Set of feeler gauge tapes in wallholder - INOX




**Model**

- Refillable with selected feeler gauges
- Wall holder made of steel. gloss coated
- With size labels

**Delivery**

- With holder and mounting fittings

| Base dimensions mm | Measuring range mm | Number of boxes | Order no. | List price EUR |
|---|---|---|---|---|
| 330 x 100 x 110 | 0.01 - 0.25 | 15 | 0612 180 | 195.00 |

## 0611 Holder for feeler gauge tape



**Model**

- Without magnet

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| 125 x 17 | 0611 195 | 2.60 |

## 0609 8 piece gauge set




NEW

**Model**

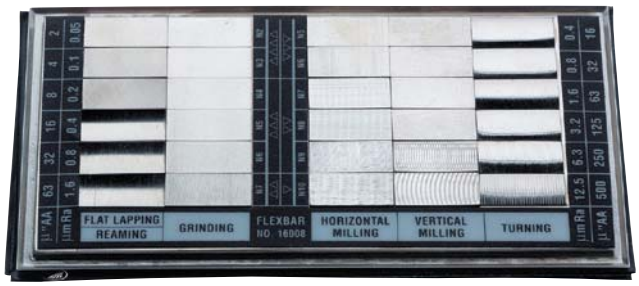
- Universal grinding gauge – thickness 2 mm, scales in mm graduation, angles 120°, 118°, 90°, 60° and 55°, special steel
- Welding gauge – measuring range 20 mm, reading 0.1 mm, locking screw, special steel
- Radius gauge – 17 blades, concave and convex, locking nut, stainless steel, measuring range 1.0 – 7.0 mm
- Radius gauge –16 blades, concave and convex, locking nut, stainless steel, measuring range 7.5 – 15.0 mm
- Radius gauge –15 blades, concave and convex, locking nut, stainless steel, measuring range 15.5 – 25.0 mm
- Screw pitch gauge – 24 blades, for metric threads according to ISO, range 0.25 – 6.0 mm
- Screw pitch gauge – 28 blades, for Whitworth threads according to DIN, range 4 - 62
- Feeler gauge - 20 conical blades, length 100 mm, range 0.05 - 1.00, stainless steel, locking nut

**Delivery**

- Wooden box set

| ⋈ | ◪ | Order no. | List price EUR |
|---|---|---|---|
| | | 0609 190 | 79.00 |

## 0584 Comparative surface roughness standards




**Model**

- 6 manufacturing processes
- 30 comparative standards

**Delivery**

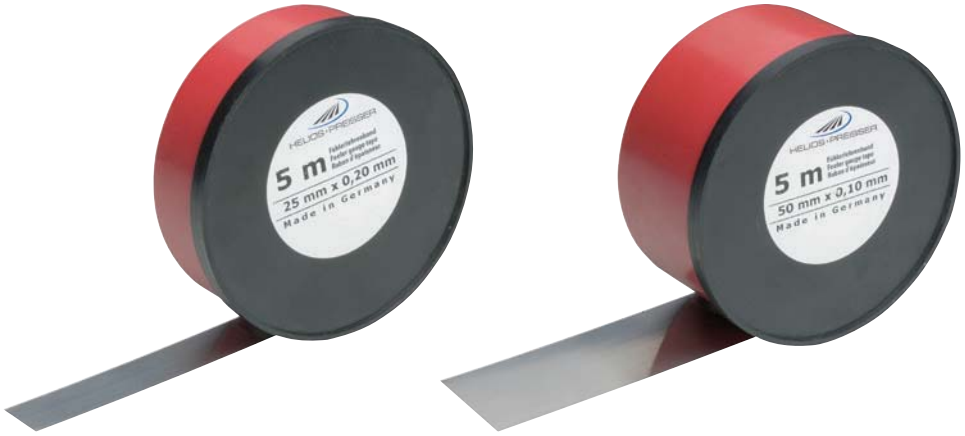
- Plastic case

| ⋈ | ◪ | Order no. | List price EUR |
|---|---|---|---|
| | | 0584 101 | 304.00 |



◪ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0613 Feeler gauge tapes




| Nominal size | Brass, width 150 mm length 5 m | | Carbon steel, width 25 mm length 5 m | | Carbon steel, width 50 mm length 5 m | | Stainless steel, width 100 mm length 5 m | | Stainless steel, width 150 mm length 5 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Order no. | List price | Order no. | List price | Order no. | List price | Order no. | List price | Order no. | List price |
| mm | | EUR | | EUR | | EUR | | EUR | | EUR |
| 0.01 | | | 0613 107 | 65.00 | 0613 207 | 94.00 | | | | |
| 0.02 | | | 0613 109 | 35.20 | 0613 209 | 51.00 | 0613 309 | 90.00 | | |
| 0.025 | 0613 512 | 102.00 | | | | | | | 0613 412 | 103.00 |
| 0.03 | | | 0613 114 | 24.80 | 0613 214 | 35.60 | | | | |
| 0.04 | | | 0613 116 | 24.80 | 0613 216 | 35.60 | | | | |
| 0.05 | 0613 518 | 82.00 | 0613 118 | 24.80 | 0613 218 | 35.60 | 0613 318 | 54.00 | 0613 418 | 83.00 |
| 0.06 | | | 0613 120 | 16.90 | 0613 220 | 24.30 | | | | |
| 0.07 | | | 0613 122 | 16.90 | 0613 222 | 24.30 | | | | |
| 0.075 | 0613 524 | 82.00 | | | | | | | 0613 424 | 83.00 |
| 0.08 | | | 0613 126 | 16.90 | 0613 226 | 24.30 | | | | |
| 0.09 | | | 0613 128 | 16.90 | 0613 228 | 24.30 | | | | |
| 0.1 | 0613 530 | 78.00 | 0613 130 | 17.50 | 0613 230 | 25.20 | 0613 330 | 51.00 | 0613 430 | 79.00 |
| 0.12 | | | | | 0613 232 | 25.20 | | | | |
| 0.15 | 0613 534 | 78.00 | 0613 134 | 17.50 | 0613 234 | 25.20 | 0613 334 | 51.00 | 0613 434 | 79.00 |
| 0.18 | | | | | 0613 236 | 25.20 | | | | |
| 0.2 | 0613 538 | 97.00 | 0613 138 | 17.50 | 0613 238 | 25.20 | 0613 338 | 65.00 | 0613 438 | 99.00 |
| 0.25 | 0613 540 | 97.00 | | | 0613 240 | 25.20 | | | 0613 440 | 99.00 |
| 0.3 | 0613 542 | 97.00 | 0613 142 | 17.50 | 0613 242 | 25.20 | 0613 342 | 65.00 | 0613 442 | 99.00 |
| 0.35 | | | | | 0613 244 | 27.50 | | | | |
| 0.4 | 0613 546 | 108.00 | 0613 146 | 19.40 | 0613 246 | 27.50 | 0613 346 | 74.00 | 0613 446 | 109.00 |
| 0.45 | | | | | 0613 248 | 27.50 | | | | |
| 0.5 | 0613 550 | 127.00 | 0613 150 | 19.40 | 0613 250 | 27.50 | 0613 350 | 84.00 | 0613 450 | 128.00 |
| 0.6 | | | 0613 152 | 31.00 | 0613 252 | 44.80 | 0613 352 | 101.00 | | |
| 0.7 | | | 0613 154 | 31.00 | 0613 254 | 44.80 | 0613 354 | 101.00 | | |
| 0.8 | | | 0613 156 | 31.00 | 0613 256 | 44.80 | 0613 356 | 121.00 | | |
| 0.9 | | | 0613 158 | 31.00 | 0613 258 | 44.80 | 0613 358 | 121.00 | | |
| 1 | | | 0613 160 | 31.00 | 0613 260 | 44.80 | 0613 360 | 138.00 | | |

## 0613 Precision reference sheets



0613 607 0613 709 0613 812 0613 912

| Nominal size | Carbon steel, 50 x 300 mm 10 pieces | | Brass, 150 x 500 mm 5 pieces | | Stainless steel, 100 x 500 mm 5 pieces | | Stainless steel, 150 x 500 mm 5 pieces | |
|---|---|---|---|---|---|---|---|---|
| | Order no. | List price EUR | Order no. | List price EUR | Order no. | List price EUR | Order no. | List price EUR |
| mm | | | | | | | | |
| 0.01 | 0613 607 | 65.00 | | | | | | |
| 0.02 | 0613 609 | 35.20 | | | 0613 709 | 48.50 | | |
| 0.025 | | | 0613 912 | 54.00 | | | 0613 812 | 54.00 |
| 0.03 | 0613 614 | 24.80 | | | | | | |
| 0.04 | 0613 616 | 24.80 | | | | | | |
| 0.05 | 0613 618 | 24.80 | 0613 918 | 43.20 | 0613 718 | 29.40 | 0613 818 | 43.70 |
| 0.06 | 0613 620 | 16.90 | | | | | | |
| 0.07 | 0613 622 | 16.90 | | | | | | |
| 0.075 | | | 0613 924 | 43.20 | | | 0613 824 | 43.70 |
| 0.08 | 0613 626 | 16.90 | | | | | | |
| 0.09 | 0613 628 | 16.90 | | | | | | |
| 0.1 | 0613 630 | 17.50 | 0613 930 | 41.00 | 0613 730 | 27.50 | 0613 830 | 41.40 |
| 0.12 | 0613 632 | 17.50 | | | | | | |
| 0.15 | 0613 634 | 17.50 | 0613 934 | 41.00 | 0613 734 | 27.50 | 0613 834 | 41.40 |
| 0.18 | 0613 636 | 17.50 | | | | | | |
| 0.2 | 0613 638 | 17.50 | 0613 938 | 51.00 | 0613 738 | 34.70 | 0613 838 | 52.00 |
| 0.25 | 0613 640 | 17.50 | 0613 940 | 51.00 | | | 0613 840 | 52.00 |
| 0.3 | 0613 642 | 17.50 | 0613 942 | 51.00 | 0613 742 | 34.70 | 0613 842 | 52.00 |
| 0.35 | 0613 644 | 19.40 | | | | | | |
| 0.4 | 0613 646 | 19.40 | 0613 946 | 60.00 | 0613 746 | 39.20 | 0613 846 | 60.00 |
| 0.45 | 0613 648 | 19.40 | | | | | | |
| 0.5 | 0613 650 | 19.40 | 0613 950 | 69.00 | 0613 750 | 44.80 | 0613 850 | 70.00 |
| 0.6 | 0613 652 | 31.00 | | | 0613 752 | 54.00 | | |
| 0.7 | 0613 654 | 31.00 | | | 0613 754 | 54.00 | | |
| 0.8 | 0613 656 | 31.00 | | | 0613 756 | 65.00 | | |
| 0.9 | 0613 658 | 31.00 | | | 0613 758 | 65.00 | | |
| 1 | 0613 660 | 31.00 | | | 0613 760 | 72.00 | 0613 860 | 113.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0623 Individual steel gauge blocks, tolerance class 0




**Model**

- EN ISO 3650
- Special steel, hardened

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 0.5 | 0623 100 | 40.50 |
| 1.0 | 0623 102 | 34.30 |
| 1.001 | 0623 104 | 34.30 |
| 1.002 | 0623 106 | 34.30 |
| 1.003 | 0623 108 | 34.30 |
| 1.004 | 0623 110 | 34.30 |
| 1.005 | 0623 112 | 34.30 |
| 1.006 | 0623 114 | 34.30 |
| 1.007 | 0623 116 | 34.30 |
| 1.008 | 0623 118 | 34.30 |
| 1.009 | 0623 120 | 34.30 |
| 1.01 | 0623 122 | 34.30 |
| 1.02 | 0623 130 | 34.30 |
| 1.03 | 0623 135 | 34.30 |
| 1.04 | 0623 140 | 34.30 |
| 1.05 | 0623 145 | 34.30 |
| 1.06 | 0623 150 | 34.30 |
| 1.07 | 0623 155 | 34.30 |
| 1.08 | 0623 160 | 34.30 |
| 1.09 | 0623 165 | 34.30 |
| 1.1 | 0623 170 | 34.30 |
| 1.11 | 0623 175 | 34.30 |
| 1.12 | 0623 180 | 34.30 |
| 1.13 | 0623 185 | 34.30 |
| 1.14 | 0623 190 | 34.30 |
| 1.15 | 0623 195 | 34.30 |
| 1.16 | 0623 200 | 34.30 |
| 1.17 | 0623 205 | 34.30 |
| 1.18 | 0623 210 | 34.30 |
| 1.19 | 0623 215 | 34.30 |
| 1.2 | 0623 220 | 34.30 |
| 1.21 | 0623 225 | 34.30 |
| 1.22 | 0623 230 | 34.30 |
| 1.23 | 0623 235 | 34.30 |
| 1.24 | 0623 240 | 34.30 |
| 1.25 | 0623 245 | 34.30 |
| 1.26 | 0623 250 | 34.30 |
| 1.27 | 0623 255 | 34.30 |
| 1.28 | 0623 260 | 34.30 |
| 1.29 | 0623 265 | 34.30 |

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 1.30 | 0623 270 | 34.30 |
| 1.31 | 0623 275 | 34.30 |
| 1.32 | 0623 280 | 34.30 |
| 1.33 | 0623 285 | 34.30 |
| 1.34 | 0623 290 | 34.30 |
| 1.35 | 0623 295 | 34.30 |
| 1.36 | 0623 300 | 34.30 |
| 1.37 | 0623 305 | 34.30 |
| 1.38 | 0623 310 | 34.30 |
| 1.39 | 0623 315 | 34.30 |
| 1.40 | 0623 320 | 34.30 |
| 1.41 | 0623 325 | 34.30 |
| 1.42 | 0623 330 | 34.30 |
| 1.43 | 0623 335 | 34.30 |
| 1.44 | 0623 340 | 34.30 |
| 1.45 | 0623 345 | 34.30 |
| 1.46 | 0623 350 | 34.30 |
| 1.47 | 0623 355 | 34.30 |
| 1.48 | 0623 360 | 34.30 |
| 1.49 | 0623 365 | 34.30 |
| 1.50 | 0623 370 | 34.30 |
| 1.6 | 0623 375 | 34.30 |
| 1.7 | 0623 380 | 34.30 |
| 1.8 | 0623 385 | 34.30 |
| 1.9 | 0623 390 | 34.30 |
| 2.0 | 0623 395 | 34.30 |
| 2.5 | 0623 400 | 36.40 |
| 3.0 | 0623 405 | 36.40 |
| 3.5 | 0623 410 | 36.40 |
| 4.0 | 0623 415 | 36.40 |
| 4.5 | 0623 420 | 36.40 |
| 5.0 | 0623 425 | 36.40 |
| 5.5 | 0623 430 | 36.40 |
| 6.0 | 0623 435 | 36.40 |
| 6.5 | 0623 440 | 36.40 |
| 7.0 | 0623 445 | 36.40 |
| 7.5 | 0623 450 | 36.40 |
| 8.0 | 0623 455 | 36.40 |
| 8.5 | 0623 460 | 36.40 |
| 9.0 | 0623 465 | 36.40 |

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 9.5 | 0623 470 | 36.40 |
| 10 | 0623 475 | 43.60 |
| 11 | 0623 500 | 43.60 |
| 12 | 0623 510 | 43.60 |
| 13 | 0623 520 | 43.60 |
| 14 | 0623 530 | 43.60 |
| 15 | 0623 540 | 43.60 |
| 16 | 0623 550 | 43.60 |
| 17 | 0623 560 | 43.60 |
| 18 | 0623 570 | 43.60 |
| 19 | 0623 580 | 43.60 |
| 20 | 0623 590 | 43.60 |
| 21 | 0623 600 | 43.60 |
| 22 | 0623 610 | 43.60 |
| 23 | 0623 620 | 43.60 |
| 24 | 0623 630 | 43.60 |
| 25 | 0623 640 | 43.60 |
| 30 | 0623 650 | 52.00 |
| 35 | 0623 660 | 52.00 |
| 40 | 0623 670 | 52.00 |
| 50 | 0623 680 | 52.00 |
| 60 | 0623 690 | 52.00 |
| 70 | 0623 700 | 52.00 |
| 80 | 0623 710 | 64.00 |
| 90 | 0623 720 | 64.00 |
| 100 | 0623 730 | 77.00 |
| 125 | 0623 740 | 272.00 |
| 150 | 0623 750 | 272.00 |
| 175 | 0623 760 | 272.00 |
| 200 | 0623 770 | 324.00 |
| 300 | 0623 780 | 463.00 |
| 400 | 0623 790 | 601.00 |
| 500 | 0623 800 | 831.00 |
| 600 | 0623 810 | 1298.00 |
| 700 | 0623 820 | 1346.00 |
| 800 | 0623 830 | 1662.00 |
| 900 | 0623 840 | 1970.00 |
| 1000 | 0623 850 | 2442.00 |

## 0624 Individual steel gauge blocks, tolerance class 1




**Model**

- EN ISO 3650
- Special steel, hardened

| Nominal size | Order no. | List price EUR |
|---|---|---|
| 0.5 | 0624 100 | 27.00 |
| 1.0 | 0624 102 | 22.90 |
| 1.001 | 0624 104 | 22.90 |
| 1.002 | 0624 106 | 22.90 |
| 1.003 | 0624 108 | 22.90 |
| 1.004 | 0624 110 | 22.90 |
| 1.005 | 0624 112 | 22.90 |
| 1.006 | 0624 114 | 22.90 |
| 1.007 | 0624 116 | 22.90 |
| 1.008 | 0624 118 | 22.90 |
| 1.009 | 0624 120 | 22.90 |
| 1.01 | 0624 122 | 22.90 |
| 1.02 | 0624 130 | 22.90 |
| 1.03 | 0624 135 | 22.90 |
| 1.04 | 0624 140 | 22.90 |
| 1.05 | 0624 145 | 22.90 |
| 1.06 | 0624 150 | 22.90 |
| 1.07 | 0624 155 | 22.90 |
| 1.08 | 0624 160 | 22.90 |
| 1.09 | 0624 165 | 22.90 |
| 1.1 | 0624 170 | 22.90 |
| 1.11 | 0624 175 | 22.90 |
| 1.12 | 0624 180 | 22.90 |
| 1.13 | 0624 185 | 22.90 |
| 1.14 | 0624 190 | 22.90 |
| 1.15 | 0624 195 | 22.90 |
| 1.16 | 0624 200 | 22.90 |
| 1.17 | 0624 205 | 22.90 |
| 1.18 | 0624 210 | 22.90 |
| 1.19 | 0624 215 | 22.90 |
| 1.2 | 0624 220 | 22.90 |
| 1.21 | 0624 225 | 22.90 |
| 1.22 | 0624 230 | 22.90 |
| 1.23 | 0624 235 | 22.90 |
| 1.24 | 0624 240 | 22.90 |
| 1.25 | 0624 245 | 22.90 |
| 1.26 | 0624 250 | 22.90 |
| 1.27 | 0624 255 | 22.90 |
| 1.28 | 0624 260 | 22.90 |
| 1.29 | 0624 265 | 22.90 |
| 1.30 | 0624 270 | 22.90 |
| 1.31 | 0624 275 | 22.90 |
| 1.32 | 0624 280 | 22.90 |
| 1.33 | 0624 285 | 22.90 |
| 1.34 | 0624 290 | 22.90 |
| 1.35 | 0624 295 | 22.90 |
| 1.36 | 0624 300 | 22.90 |
| 1.37 | 0624 305 | 22.90 |
| 1.38 | 0624 310 | 22.90 |
| 1.39 | 0624 315 | 22.90 |
| 1.40 | 0624 320 | 22.90 |
| 1.41 | 0624 325 | 22.90 |
| 1.42 | 0624 330 | 22.90 |
| 1.43 | 0624 335 | 22.90 |
| 1.44 | 0624 340 | 22.90 |
| 1.45 | 0624 345 | 22.90 |
| 1.46 | 0624 350 | 22.90 |
| 1.47 | 0624 355 | 22.90 |
| 1.48 | 0624 360 | 22.90 |
| 1.49 | 0624 365 | 22.90 |
| 1.50 | 0624 370 | 22.90 |
| 1.6 | 0624 375 | 22.90 |
| 1.7 | 0624 380 | 22.90 |
| 1.8 | 0624 385 | 22.90 |
| 1.9 | 0624 390 | 22.90 |
| 2.0 | 0624 395 | 22.90 |
| 2.5 | 0624 400 | 23.90 |
| 3.0 | 0624 405 | 23.90 |
| 3.5 | 0624 410 | 23.90 |
| 4.0 | 0624 415 | 23.90 |
| 4.5 | 0624 420 | 23.90 |
| 5.0 | 0624 425 | 23.90 |
| 5.5 | 0624 430 | 23.90 |
| 6.0 | 0624 435 | 23.90 |
| 6.5 | 0624 440 | 23.90 |
| 7.0 | 0624 445 | 23.90 |
| 7.5 | 0624 450 | 23.90 |
| 8.0 | 0624 455 | 23.90 |
| 8.5 | 0624 460 | 23.90 |
| 9.0 | 0624 465 | 23.90 |
| 9.5 | 0624 470 | 23.90 |
| 10 | 0624 475 | 29.10 |
| 11 | 0624 500 | 29.10 |
| 12 | 0624 510 | 29.10 |
| 13 | 0624 520 | 29.10 |
| 14 | 0624 530 | 29.10 |
| 15 | 0624 540 | 29.10 |
| 16 | 0624 550 | 29.10 |
| 17 | 0624 560 | 29.10 |
| 18 | 0624 570 | 29.10 |
| 19 | 0624 580 | 29.10 |
| 20 | 0624 590 | 29.10 |
| 21 | 0624 600 | 29.10 |
| 22 | 0624 610 | 29.10 |
| 23 | 0624 620 | 29.10 |
| 24 | 0624 630 | 29.10 |
| 25 | 0624 640 | 29.10 |
| 30 | 0624 650 | 34.30 |
| 35 | 0624 660 | 34.30 |
| 40 | 0624 670 | 34.30 |
| 50 | 0624 680 | 34.30 |
| 60 | 0624 690 | 34.30 |
| 70 | 0624 700 | 34.30 |
| 80 | 0624 710 | 42.60 |
| 90 | 0624 720 | 42.60 |
| 100 | 0624 730 | 51.00 |
| 125 | 0624 740 | 165.00 |
| 150 | 0624 750 | 165.00 |
| 175 | 0624 760 | 165.00 |
| 200 | 0624 770 | 196.00 |
| 300 | 0624 780 | 281.00 |
| 400 | 0624 790 | 364.00 |
| 500 | 0624 800 | 504.00 |
| 600 | 0624 810 | 701.00 |
| 700 | 0624 820 | 727.00 |
| 800 | 0624 830 | 899.00 |
| 900 | 0624 840 | 1065.00 |
| 1000 | 0624 850 | 1320.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0625 Individual steel gauge blocks, tolerance class 2




**Model**

- EN ISO 3650
- Special steel, hardened

| Nominal size | Order no. | List price EUR |
|---|---|---|
| 0.5 | 0625 100 | 21.80 |
| 1.0 | 0625 102 | 18.70 |
| 1.001 | 0625 104 | 18.70 |
| 1.002 | 0625 106 | 18.70 |
| 1.003 | 0625 108 | 18.70 |
| 1.004 | 0625 110 | 18.70 |
| 1.005 | 0625 112 | 18.70 |
| 1.006 | 0625 114 | 18.70 |
| 1.007 | 0625 116 | 18.70 |
| 1.008 | 0625 118 | 18.70 |
| 1.009 | 0625 120 | 18.70 |
| 1.01 | 0625 122 | 18.70 |
| 1.02 | 0625 130 | 18.70 |
| 1.03 | 0625 135 | 18.70 |
| 1.04 | 0625 140 | 18.70 |
| 1.05 | 0625 145 | 18.70 |
| 1.06 | 0625 150 | 18.70 |
| 1.07 | 0625 155 | 18.70 |
| 1.08 | 0625 160 | 18.70 |
| 1.09 | 0625 165 | 18.70 |
| 1.1 | 0625 170 | 18.70 |
| 1.11 | 0625 175 | 18.70 |
| 1.12 | 0625 180 | 18.70 |
| 1.13 | 0625 185 | 18.70 |
| 1.14 | 0625 190 | 18.70 |
| 1.15 | 0625 195 | 18.70 |
| 1.16 | 0625 200 | 18.70 |
| 1.17 | 0625 205 | 18.70 |
| 1.18 | 0625 210 | 18.70 |
| 1.19 | 0625 215 | 18.70 |
| 1.2 | 0625 220 | 18.70 |
| 1.21 | 0625 225 | 18.70 |
| 1.22 | 0625 230 | 18.70 |
| 1.23 | 0625 235 | 18.70 |
| 1.24 | 0625 240 | 18.70 |
| 1.25 | 0625 245 | 18.70 |
| 1.26 | 0625 250 | 18.70 |
| 1.27 | 0625 255 | 18.70 |
| 1.28 | 0625 260 | 18.70 |
| 1.29 | 0625 265 | 18.70 |
| 1.30 | 0625 270 | 18.70 |
| 1.31 | 0625 275 | 18.70 |
| 1.32 | 0625 280 | 18.70 |
| 1.33 | 0625 285 | 18.70 |
| 1.34 | 0625 290 | 18.70 |
| 1.35 | 0625 295 | 18.70 |
| 1.36 | 0625 300 | 18.70 |
| 1.37 | 0625 305 | 18.70 |
| 1.38 | 0625 310 | 18.70 |
| 1.39 | 0625 315 | 18.70 |
| 1.40 | 0625 320 | 18.70 |
| 1.41 | 0625 325 | 18.70 |
| 1.42 | 0625 330 | 18.70 |
| 1.43 | 0625 335 | 18.70 |
| 1.44 | 0625 340 | 18.70 |
| 1.45 | 0625 345 | 18.70 |
| 1.46 | 0625 350 | 18.70 |
| 1.47 | 0625 355 | 18.70 |
| 1.48 | 0625 360 | 18.70 |
| 1.49 | 0625 365 | 18.70 |
| 1.50 | 0625 370 | 18.70 |
| 1.6 | 0625 375 | 18.70 |
| 1.7 | 0625 380 | 18.70 |
| 1.8 | 0625 385 | 18.70 |
| 1.9 | 0625 390 | 18.70 |
| 2.0 | 0625 395 | 18.70 |
| 2.5 | 0625 400 | 18.70 |
| 3.0 | 0625 405 | 18.70 |
| 3.5 | 0625 410 | 18.70 |
| 4.0 | 0625 415 | 18.70 |
| 4.5 | 0625 420 | 18.70 |
| 5.0 | 0625 425 | 18.70 |
| 5.5 | 0625 430 | 18.70 |
| 6.0 | 0625 435 | 18.70 |
| 6.5 | 0625 440 | 18.70 |
| 7.0 | 0625 445 | 18.70 |
| 7.5 | 0625 450 | 18.70 |
| 8.0 | 0625 455 | 18.70 |
| 8.5 | 0625 460 | 18.70 |
| 9.0 | 0625 465 | 18.70 |
| 9.5 | 0625 470 | 18.70 |
| 10 | 0625 475 | 22.90 |
| 11 | 0625 500 | 22.90 |
| 12 | 0625 510 | 22.90 |
| 13 | 0625 520 | 22.90 |
| 14 | 0625 530 | 22.90 |
| 15 | 0625 540 | 22.90 |
| 16 | 0625 550 | 22.90 |
| 17 | 0625 560 | 22.90 |
| 18 | 0625 570 | 22.90 |
| 19 | 0625 580 | 22.90 |
| 20 | 0625 590 | 22.90 |
| 21 | 0625 600 | 22.90 |
| 22 | 0625 610 | 22.90 |
| 23 | 0625 620 | 22.90 |
| 24 | 0625 630 | 22.90 |
| 25 | 0625 640 | 22.90 |
| 30 | 0625 650 | 27.00 |
| 35 | 0625 660 | 27.00 |
| 40 | 0625 670 | 27.00 |
| 50 | 0625 680 | 27.00 |
| 60 | 0625 690 | 27.00 |
| 70 | 0625 700 | 27.00 |
| 80 | 0625 710 | 34.30 |
| 90 | 0625 720 | 34.30 |
| 100 | 0625 730 | 40.50 |
| 125 | 0625 740 | 132.00 |
| 150 | 0625 750 | 132.00 |
| 175 | 0625 760 | 132.00 |
| 200 | 0625 770 | 141.00 |
| 300 | 0625 780 | 223.00 |
| 400 | 0625 790 | 262.00 |
| 500 | 0625 800 | 343.00 |
| 600 | 0625 810 | 426.00 |
| 700 | 0625 820 | 509.00 |
| 800 | 0625 830 | 630.00 |
| 900 | 0625 840 | 746.00 |
| 1000 | 0625 850 | 924.00 |

## 0633 Gauge block accessories sets




**Delivery**

- Wooden case

| No. of parts | Gauge block holder (mm) | | | | | | Radiused measuring jaw pairs (mm) | | | | | | Scriber | Centre point | Plane parallel jaws (pair) | Knife edge jaws (pair) | Holder base | Order no. | List Price EUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-50 | 0-100 | 100-200 | 0-300 | 200-400 | 300-500 | 4 | 10 | 16 | 20 | 30 | 40 | | | | | | | |
| 4 | | | | ● | | ● | | | | | | ● | | | | | | 0633 130 | 1105.00 |
| 10 | ● | ● | ● | | | | ● | ● | | | | | ● | ● | | | ● | 0633 131 | 1283.00 |
| 14 | ● | ● | ● | | | | ● | ● | ● | ● | | | ● | ● | | | ● | 0633 132 | 1660.00 |
| 23 | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 0633 133 | 3279.00 |

## 0633 Radiused measuring jaws with cylindrical shoulders / pair



| ⋈ | | Nominal size mm | Measuring depth mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 4 | 8 | 0633 150 | 205.00 |
| | | 10 | 15 | 0633 151 | 205.00 |
| | | 16 | 20 | 0633 152 | 220.00 |
| | | 20 | 40 | 0633 153 | 270.00 |
| | | 30 | 65 | 0633 154 | 380.00 |
| | | 40 | 95 | 0633 155 | 495.00 |

## 0633 Inspection points, pair



**Model**

- Special steel, hardened

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 55 x 9 x 9 | 0633 170 | 245.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0633 Scribers



**Model**

- Special steel, hardened or carbide

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| **Carbide** | | |
| 55 x 9 x 8 | 0633 172 | 360.00 |
| **Special steel** | | |
| 55 x 9 x 8 | 0633 171 | 89.00 |

## 0633 Centre point



**Model**

- Special steel, hardened

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| 55 x 9 x 12 | 0633 173 | 115.00 |

## 0633 Plane / parallel jaws, pair



**Model**

- For external measurement

| Base dimensions mm | Order no. | List price EUR |
|---|---|---|
| **For external measurements** | | |
| 100 x 9 x 20 | 0633 174 | 200.00 |
| 125 x 9 x 20 | 0633 175 | 235.00 |
| **For internal and external measurements** | | |
| 100 x 9 x 20 | 0633 176 | 370.00 |
| 125 x 9 x 20 | 0633 177 | 440.00 |

## 0633 Knife edge jaws, pair



**Model**

- Special steel, hardened

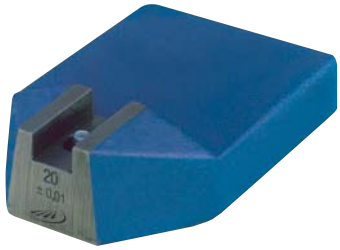
| Base dimensions mm | Max diameter mm | Length mm | Order no. | List price EUR |
|---|---|---|---|---|
| 55 x 9 x 8 | 26 | 55 | 0633 178 | 215.00 |
| 65 x 9 x 9 | 50 | 65 | 0633 179 | 270.00 |
| 90 x 9 x 15 | 100 | 90 | 0633 180 | 325.00 |
| 140 x 9 x 19 | 200 | 140 | 0633 181 | 485.00 |

## 0633 Gauge block holders with rapid adjustment



| ⋈ | | Measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 0 - 50 | 0633 136 | 175.00 |
| | | 0 - 100 | 0633 137 | 200.00 |
| | | 0 - 200 | 0633 138 | 240.00 |
| | | 100 - 200 | 0633 139 | 220.00 |
| | | 100 - 300 | 0633 140 | 260.00 |
| | | 200 - 400 | 0633 141 | 300.00 |
| | | 300 - 500 | 0633 142 | 340.00 |
| | | 400 - 600 | 0633 143 | 370.00 |
| | | 500 - 800 | 0633 144 | 430.00 |
| | | 800 - 1000 | 0633 145 | 600.00 |

## 0633 Stand for gauge block holder



**Model**

- Special steel, hardened

| ⋈ | | Base dimensions mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 103 x 70 x 27 | 0633 182 | 155.00 |

## 0633 Gauge block maintenance set



**Model**

Set consists of:
- Linen cloth
- Chamois leather
- 1 jar of anti corrosion oil
- Oil stone
- Fine paint brush
- Broad paint brush
- User manual

**Delivery**

- Wooden case

| ⋈ | | Order no. | List price EUR |
|---|---|---|---|
| | | 0633 001 | 301.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0633 Steel gauge block inspection sets for micrometers



**Model**

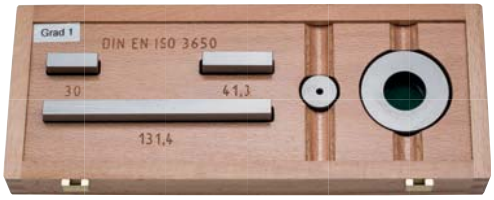
- EN ISO 3650
- Special steel, hardened
- Tolerance class 1

**Delivery**

- Wooden case

| ⋈ | | Max. nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|
| 5 pieces with optical flat | | | | |
| | | 5.1 / 10.3 / 15.0 / 20.2 / 25.0 | 0633 805 | 325.00 |
| 8 pieces with optical flat | | | | |
| | | 5.1 / 10.3 / 15.0 / 20.2 / 25.0 / 50.0 / 75.0 / 100 | 0633 808 | 435.00 |
| 10 pieces, excludes the optical flat | | | | |
| | | 2.5 / 5.1 / 7.7 / 10.3 / 12.9 / 15.0 / 17.6 / 20.2 / 22.8 / 25.0 | 0633 810 | 264.00 |

## 0633 Steel gauge block inspection set for calipers




**Model**

- EN ISO 3650
- Special steel, hardened
- Tolerance class 1
- Supplied with setting rings 4 mm and 25 mm

**Delivery**

- Wooden case

| ⋈ | | For measuring range mm | Max. nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| 3 pieces | | | | | |
| | | 200 | 30.0 / 41.3 / 131.4 | 0633 833 | 540.00 |
| 4 pieces | | | | | |
| | | 300 | 30.0 / 41.3 / 131.4 / 243.5 | 0633 834 | 721.00 |
| 6 pieces | | | | | |
| | | 500 | 30.0 / 41.3 / 131.4 / 243.5 / 281.2 / 481.1 | 0633 836 | 1287.00 |
| 5 pieces | | | | | |
| | | 1000 | 131.4 / 243.5 / 281.2 / 481.1 / 900 | 0633 838 | 2275.00 |

# 0633 Parallel steel gauge block sets



**Model**

- EN ISO 3650
- Special steel, hardened

**Delivery**

- Wooden case

| ⋈ | | Number of devices | Tolerance class | Max. nominal size mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Tolerance class 0** | | | | | | | |
| | | 103 | 0 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0633 014 | 853.00 |
| | | 87 | 0 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0633 016 | 779.00 |
| | | 47 | 0 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0633 018 | 507.00 |
| | | 32 | 0 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0633 020 | 370.00 |
| **Tolerance class 1** | | | | | | | |
| | | 103 | 1 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0633 114 | 656.00 |
| | | 87 | 1 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0633 116 | 500.00 |
| | | 47 | 1 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0633 118 | 309.00 |
| | | 32 | 1 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0633 120 | 225.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0633 Parallel steel gauge block sets



### Model

- EN ISO 3650
- Special steel, hardened

### Delivery

- Wooden case

| ⋈ | | Number of devices | Tolerance class | Max. nominal size mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Tolerance class 2** | | | | | | | |
| | | 103 | 2 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0633 214 | 415.00 |
| | | 87 | 2 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0633 216 | 327.00 |
| | | 47 | 2 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0633 218 | 224.00 |
| | | 32 | 2 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0633 220 | 148.00 |

# 0634 Carbide gauge block sets



**Model**

- Carbide
- EN ISO 3650

**Delivery**

- Wooden case

| ⋈ | | Number of devices | Tolerance class | Max. nominal size mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Tolerance class 0** | | | | | | | |
| | | 103 | 0 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0634 014 | 4389.00 |
| | | 87 | 0 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0634 016 | 3616.00 |
| | | 47 | 0 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0634 017 | 2363.00 |
| | | 32 | 0 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0634 020 | 1241.00 |
| **Tolerance class 1** | | | | | | | |
| | | 103 | 1 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0634 114 | 3863.00 |
| | | 87 | 1 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0634 116 | 3158.00 |
| | | 47 | 1 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0634 117 | 2117.00 |
| | | 32 | 1 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0634 120 | 1077.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0634 Ceramic gauge block sets



### Model

- Ceramic
- EN ISO 3650

### Delivery

- Wooden case

| ⋈ | | Number of devices | Tolerance class | Max. nominal size mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| **Tolerance class 0** | | | | | | | |
| | | 103 | 0 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0634 514 | 6128.00 |
| | | 87 | 0 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0634 516 | 4880.00 |
| | | 47 | 0 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0634 517 | 2910.00 |
| | | 32 | 0 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0634 520 | 1767.00 |
| **Tolerance class 1** | | | | | | | |
| | | 103 | 1 | 1.005<br>1.01 - 1.49<br>0.5 - 24.5<br>25.0 - 100.0 | -<br>0.01<br>0.5<br>25.0 | 0634 614 | 5130.00 |
| | | 87 | 1 | 1.001 - 1.009<br>1.01 - 1.49<br>0.5 - 9.5<br>10.0 - 100.0 | 0.001<br>0.01<br>0.5<br>10.0 | 0634 616 | 4077.00 |
| | | 47 | 1 | 1.005<br>1.01 - 1.09<br>1.11 - 1.19<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 100.0 | -<br>0.01<br>0.01<br>0.1<br>1.0<br>10.0 | 0634 617 | 2432.00 |
| | | 32 | 1 | 1.005<br>1.01 - 1.09<br>1.1 - 1.9<br>1.0 - 9.0<br>10.0 - 30.0<br>50.0 | -<br>0.01<br>0.1<br>1.0<br>10.0<br>- | 0634 620 | 1474.00 |

## 0636 Set of pin gauges



**Model**

- Made out of high quality gauge steel

**Delivery**

- Wooden case

DIN 2269

| ⋈ | | Length mm | Number of pins | Tolerance class | Max. nominal size mm | Increment mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|---|
| Special steel, hardened and aged | | | | | | | | |
| | | 40 | 51 | 1 | 0.5 - 1.0 | 0.01 | 0636 301 | 779.00 |
| | | 70 | 21 | 1 | 1.0 - 2.0 | 0.05 | 0636 321 | 236.00 |
| | | 70 | 21 | 1 | 2.0 - 3.0 | 0.05 | 0636 322 | 236.00 |
| | | 70 | 21 | 1 | 3.0 - 4.0 | 0.05 | 0636 323 | 292.00 |
| | | 70 | 21 | 1 | 4.0 - 5.0 | 0.05 | 0636 324 | 292.00 |
| | | 70 | 21 | 1 | 5.0 - 6.0 | 0.05 | 0636 325 | 292.00 |
| | | 70 | 21 | 1 | 6.0 - 7.0 | 0.05 | 0636 326 | 356.00 |
| | | 70 | 21 | 1 | 7.0 - 8.0 | 0.05 | 0636 327 | 356.00 |
| | | 70 | 21 | 1 | 8.0 - 9.0 | 0.05 | 0636 328 | 356.00 |
| | | 70 | 21 | 1 | 9.0 - 10.0 | 0.05 | 0636 329 | 356.00 |
| | | 70 | 101 | 1 | 1.0 - 2.0 | 0.01 | 0636 341 | 992.00 |
| | | 70 | 100 | 1 | 2.01 - 3.0 | 0.01 | 0636 342 | 992.00 |
| | | 70 | 100 | 1 | 3.01 - 4.0 | 0.01 | 0636 343 | 1257.00 |
| | | 70 | 100 | 1 | 4.01 - 5.0 | 0.01 | 0636 344 | 1257.00 |
| | | 70 | 100 | 1 | 5.01 - 6.0 | 0.01 | 0636 345 | 1257.00 |
| | | 70 | 100 | 1 | 6.01 - 7.0 | 0.01 | 0636 346 | 1547.00 |
| | | 70 | 100 | 1 | 7.01 - 8.0 | 0.01 | 0636 347 | 1547.00 |
| | | 70 | 100 | 1 | 8.01 - 9.0 | 0.01 | 0636 348 | 1547.00 |
| | | 70 | 100 | 1 | 9.01 - 10.0 | 0.01 | 0636 349 | 1547.00 |
| | | 70 | 91 | 1 | 1.0 - 10.0 | 0.1 | 0636 351 | 1268.00 |
| | | 70 | 81 | 1 | 1.0 - 5.0 | 0.05 | 0636 352 | 1152.00 |
| Special steel, hardened and aged | | | | | | | | |
| | | 70 | 101 | 2 | 1.0 - 2.0 | 0.01 | 0636 372 | 694.00 |
| | | 70 | 100 | 2 | 2.01 - 3.0 | 0.01 | 0636 373 | 694.00 |
| | | 70 | 100 | 2 | 3.01 - 4.0 | 0.01 | 0636 374 | 914.00 |
| | | 70 | 100 | 2 | 4.01 - 5.0 | 0.01 | 0636 375 | 914.00 |
| | | 70 | 100 | 2 | 5.01 - 6.0 | 0.01 | 0636 376 | 914.00 |
| | | 70 | 100 | 2 | 6.01 - 7.0 | 0.01 | 0636 377 | 1107.00 |
| | | 70 | 100 | 2 | 7.01 - 8.0 | 0.01 | 0636 378 | 1255.00 |
| | | 70 | 100 | 2 | 8.01 - 9.0 | 0.01 | 0636 379 | 1255.00 |
| | | 70 | 100 | 2 | 9.01 - 10.0 | 0.01 | 0636 380 | 1255.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0636 Pin gauge holder



### Model

- Die cast
- With locking screw

| ⋈ | | Measuring range mm | Length mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 1 - 2 | 60 | 0636 392 | 12.70 |
| | | 2 - 4 | 68 | 0636 393 | 14.50 |
| | | 4 - 6 | 76 | 0636 394 | 27.50 |
| | | 6 - 8 | 84 | 0636 395 | 35.30 |
| | | 8 - 10 | 92 | 0636 396 | 40.70 |

## 0637 Plug gauges




### Model

- Manufacturing tolerances: according to DIN 7150-2 and DIN 7164
- Fit H7
- All cylindrical

- Special dimensions with other tolerances are available upon request

| ⋈ | | Dimensions acc. DIN | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 2245-1 | 2 | 0637 103 | 29.80 |
| | | 2245-1 | 2.2 | 0637 104 | 29.80 |
| | | 2245-1 | 2.5 | 0637 105 | 29.80 |
| | | 2245-1 | 2.8 | 0637 106 | 21.70 |
| | | 2245-1 | 3 | 0637 107 | 21.70 |
| | | 2245-1 | 3.5 | 0637 108 | 19.40 |
| | | 2245-1 | 4 | 0637 109 | 19.40 |
| | | 2245-1 | 4.5 | 0637 110 | 19.40 |
| | | 2245-1 | 5 | 0637 111 | 18.30 |
| | | 2245-1 | 6 | 0637 112 | 18.30 |
| | | 2245-1 | 7 | 0637 113 | 19.40 |
| | | 2245-1 | 8 | 0637 114 | 19.40 |
| | | 2245-1 | 9 | 0637 115 | 20.70 |
| | | 2245-1 | 10 | 0637 116 | 21.70 |
| | | 2245-1 | 11 | 0637 117 | 21.70 |
| | | 2245-1 | 12 | 0637 118 | 23.00 |
| | | 2245-1 | 13 | 0637 119 | 24.10 |
| | | 2245-1 | 14 | 0637 120 | 24.10 |
| | | 2245-1 | 15 | 0637 121 | 24.80 |
| | | 2245-1 | 16 | 0637 122 | 24.80 |
| | | 2245-1 | 17 | 0637 123 | 25.90 |
| | | 2245-1 | 18 | 0637 124 | 26.90 |
| | | 2245-1 | 19 | 0637 125 | 26.90 |
| | | 2245-1 | 20 | 0637 126 | 26.90 |
| | | 2245-1 | 21 | 0637 127 | 28.30 |
| | | 2245-1 | 22 | 0637 128 | 28.90 |
| | | 2245-1 | 23 | 0637 129 | 29.80 |
| | | 2245-1 | 24 | 0637 130 | 29.80 |
| | | 2245-1 | 25 | 0637 131 | 31.00 |
| | | 2245-1 | 26 | 0637 132 | 32.20 |
| | | 2245-1 | 27 | 0637 133 | 32.20 |
| | | 2245-1 | 28 | 0637 134 | 33.20 |
| | | 2245-1 | 30 | 0637 135 | 33.20 |
| | | 2245-1 | 32 | 0637 136 | 36.80 |
| | | 2245-1 | 33 | 0637 137 | 37.40 |

| ⋈ | | Dimensions acc. DIN | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 2245-1 | 34 | 0637 138 | 38.50 |
| | | 2245-1 | 35 | 0637 139 | 38.50 |
| | | 2245-1 | 36 | 0637 140 | 39.40 |
| | | 2245-1 | 37 | 0637 141 | 40.20 |
| | | 2245-1 | 38 | 0637 142 | 41.40 |
| | | 2245-1 | 40 | 0637 144 | 42.60 |
| | | 2245-2 | 42 | 0637 146 | 43.90 |
| | | 2245-2 | 43 | 0637 147 | 54.00 |
| | | 2245-2 | 44 | 0637 148 | 47.20 |
| | | 2245-2 | 45 | 0637 149 | 48.20 |
| | | 2245-2 | 46 | 0637 150 | 48.90 |
| | | 2245-2 | 47 | 0637 151 | 51.00 |
| | | 2245-2 | 48 | 0637 152 | 52.00 |
| | | 2245-2 | 50 | 0637 154 | 54.00 |
| | | 2245-2 | 52 | 0637 155 | 57.00 |
| | | 2245-2 | 55 | 0637 156 | 60.00 |
| | | 2245-2 | 58 | 0637 157 | 64.00 |
| | | 2245-2 | 60 | 0637 158 | 66.00 |
| | | 2245-2 | 62 | 0637 159 | 70.00 |
| | | 2245-2 | 65 | 0637 160 | 70.00 |
| | | 2245-2 | 68 | 0637 161 | 77.00 |
| | | 2245-2 | 70 | 0637 162 | 78.00 |
| | | 2245-2 | 72 | 0637 163 | 80.00 |
| | | 2245-2 | 75 | 0637 164 | 84.00 |
| | | 2245-2 | 78 | 0637 165 | 88.00 |
| | | 2245-2 | 80 | 0637 166 | 89.00 |
| | | 2245-2 | 82 | 0637 167 | 91.00 |
| | | 2245-2 | 85 | 0637 168 | 95.00 |
| | | 2245-2 | 88 | 0637 169 | 100.00 |
| | | 2245-2 | 90 | 0637 170 | 101.00 |
| | | 2245-2 | 92 | 0637 171 | 104.00 |
| | | 2245-2 | 95 | 0637 172 | 106.00 |
| | | 2245-2 | 98 | 0637 173 | 109.00 |
| | | 2245-2 | 100 | 0637 174 | 111.00 |

## 0637 Plug gauge set



### Model

- DIN 2245
- Hardened gauge steel
- GO and NOGO

### Delivery

- Wooden box

| ⋈ | | Set pcs | Tolerance class | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| (3, 4, 5, 6, 8, 10, 12) | | | | | | |
| | | 7 | H7 | 3 - 12 mm | 0637 190 | 142.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0634 Snap gauge, double jaw




### Model

- Dimensions 3 to 100 mm
- Gauge steel
- Hardened measuring faces
- Dimensions acc. DIN 2230
- Manufacturing tolerances: according to DIN 7163

### Delivery

- Available on request
- Important: Please mention dimension and fit

## 0649 Adjustable snap gauges




### Model

- Special cast iron
- 1 fixed measuring face, 2 adjustable square measuring faces

### Delivery

- Cardboard box

| Max. nominal size mm | Order no. | List price EUR |
|---|---|---|
| 0.000 - 6.000 | 0649 201 | 69.00 |
| 6.000 - 13.000 | 0649 202 | 69.00 |
| 13.000 - 19.000 | 0649 203 | 69.00 |
| 19.000 - 26.000 | 0649 204 | 71.00 |
| 26.000 - 32.000 | 0649 205 | 71.00 |
| 32.000 - 38.000 | 0649 206 | 75.00 |
| 38.000 - 44.000 | 0649 207 | 75.00 |
| 44.000 - 51.000 | 0649 208 | 78.00 |
| 51.000 - 57.000 | 0649 209 | 78.00 |
| 57.000 - 64.000 | 0649 210 | 82.00 |

| Max. nominal size mm | Order no. | List price EUR |
|---|---|---|
| 64.000 - 70.000 | 0649 211 | 82.00 |
| 70.000 - 78.000 | 0649 212 | 89.00 |
| 78.000 - 87.000 | 0649 213 | 89.00 |
| 87.000 - 97.000 | 0649 215 | 99.00 |
| 97.000 - 106.000 | 0649 216 | 113.00 |
| 106.000 - 116.000 | 0649 217 | 113.00 |
| 116.000 - 125.000 | 0649 219 | 135.00 |
| 125.000 - 135.000 | 0649 220 | 176.00 |
| 135.000 - 144.000 | 0649 222 | 202.00 |
| 144.000 - 156.000 | 0649 223 | 202.00 |

## 0650 Adjustable snap gauges




0650 103



0650 114

**Model**

- Adjustable
- Light alloy cast frame
- Carbide tipped measuring faces
- Without indicator
- Up to 100 mm with centering support and lift-off device. Snap gauges above 100 mm excludes centering support and lift-off device

**Delivery**

- Without digital indicator
- Cardboard box

| ⋈ | | Measuring range mm | Measuring surface mm | Order no. | List price EUR |
|---|---|---|---|---|---|
| | | 0 - 25 | 15 x 15 | 0650 101 | 877.00 |
| | | 25 - 50 | 15 x 15 | 0650 102 | 958.00 |
| | | 50 - 75 | 15 x 15 | 0650 103 | 1053.00 |
| | | 75 - 100 | 15 x 15 | 0650 104 | 1153.00 |
| | | 100 - 150 | 40 x 18 | 0650 105 | 1661.00 |
| | | 150 - 200 | 40 x 18 | 0650 106 | 1880.00 |
| | | 200 - 250 | 40 x 18 | 0650 107 | 2156.00 |
| | | 250 - 300 | 40 x 18 | 0650 108 | 2245.00 |
| | | 300 - 350 | 40 x 18 | 0650 109 | 2382.00 |
| | | 350 - 400 | 40 x 18 | 0650 110 | 2578.00 |
| | | 400 - 450 | 40 x 18 | 0650 111 | 2767.00 |
| | | 450 - 500 | 40 x 18 | 0650 112 | 2957.00 |
| | | 500 - 550 | 40 x 18 | 0650 113 | 3148.00 |
| | | 550 - 600 | 40 x 18 | 0650 114 | 3402.00 |
| | | 600 - 650 | 40 x 18 | 0650 115 | 4346.00 |
| | | 650 - 700 | 40 x 18 | 0650 116 | 4533.00 |
| | | 700 - 750 | 40 x 18 | 0650 117 | 4731.00 |
| | | 750 - 800 | 40 x 18 | 0650 118 | 4924.00 |
| | | 800 - 850 | 40 x 18 | 0650 119 | 5116.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# 0656 Ring gauges




**Model**

- Hardened gauge steel
- DIN 2250-1 (C)
- For setting internal measuring instruments

DIN 2250-1

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 3 | 0656 309 | 55.00 |
| 3.5 | 0656 310 | 48.20 |
| 4 | 0656 311 | 48.20 |
| 4.5 | 0656 312 | 48.20 |
| 5 | 0656 313 | 47.20 |
| 6 | 0656 314 | 46.00 |
| 7 | 0656 315 | 46.00 |
| 8 | 0656 316 | 46.00 |
| 9 | 0656 317 | 46.00 |
| 10 | 0656 318 | 46.00 |
| 11 | 0656 319 | 47.20 |
| 12 | 0656 320 | 48.20 |
| 12.5 | 0656 303 | 48.20 |
| 17.5 | 0656 304 | 72.00 |
| 13 | 0656 321 | 48.90 |
| 14 | 0656 322 | 48.90 |
| 15 | 0656 323 | 50.00 |
| 16 | 0656 324 | 50.00 |
| 17 | 0656 325 | 51.00 |
| 18 | 0656 326 | 51.00 |
| 19 | 0656 327 | 52.00 |
| 20 | 0656 328 | 54.00 |
| 21 | 0656 329 | 54.00 |
| 22 | 0656 330 | 54.00 |
| 23 | 0656 331 | 57.00 |
| 24 | 0656 332 | 58.00 |
| 25 | 0656 333 | 59.00 |
| 26 | 0656 334 | 60.00 |
| 27 | 0656 335 | 60.00 |
| 28 | 0656 336 | 61.00 |
| 30 | 0656 337 | 57.00 |
| 32 | 0656 338 | 64.00 |
| 33 | 0656 339 | 64.00 |
| 34 | 0656 340 | 65.00 |
| 35 | 0656 341 | 65.00 |
| 36 | 0656 342 | 66.00 |
| 37 | 0656 343 | 68.00 |
| 38 | 0656 344 | 69.00 |
| 40 | 0656 345 | 70.00 |
| 42 | 0656 346 | 74.00 |
| 44 | 0656 347 | 78.00 |
| 45 | 0656 348 | 80.00 |
| 46 | 0656 349 | 82.00 |
| 47 | 0656 350 | 84.00 |
| 48 | 0656 351 | 86.00 |
| 50 | 0656 352 | 89.00 |
| 52 | 0656 353 | 91.00 |
| 55 | 0656 354 | 100.00 |

| Nominal size mm | Order no. | List price EUR |
|---|---|---|
| 58 | 0656 355 | 104.00 |
| 60 | 0656 356 | 108.00 |
| 62 | 0656 357 | 111.00 |
| 65 | 0656 358 | 118.00 |
| 68 | 0656 359 | 127.00 |
| 70 | 0656 360 | 131.00 |
| 72 | 0656 361 | 136.00 |
| 75 | 0656 362 | 140.00 |
| 78 | 0656 363 | 148.00 |
| 80 | 0656 364 | 153.00 |
| 82 | 0656 365 | 161.00 |
| 85 | 0656 366 | 172.00 |
| 88 | 0656 367 | 183.00 |
| 90 | 0656 368 | 189.00 |
| 92 | 0656 369 | 197.00 |
| 95 | 0656 370 | 210.00 |
| 98 | 0656 371 | 220.00 |
| 100 | 0656 372 | 227.00 |
| 105 | 0656 373 | 238.00 |
| 110 | 0656 374 | 250.00 |
| 115 | 0656 375 | 261.00 |
| 120 | 0656 376 | 273.00 |
| 125 | 0656 377 | 285.00 |
| 130 | 0656 378 | 295.00 |
| 135 | 0656 379 | 307.00 |
| 140 | 0656 380 | 318.00 |
| 145 | 0656 381 | 329.00 |
| 150 | 0656 382 | 341.00 |
| 155 | 0656 383 | 372.00 |
| 160 | 0656 384 | 402.00 |
| 165 | 0656 385 | 432.00 |
| 170 | 0656 386 | 464.00 |
| 175 | 0656 387 | 495.00 |
| 180 | 0656 388 | 525.00 |
| 185 | 0656 389 | 557.00 |
| 190 | 0656 390 | 586.00 |
| 195 | 0656 391 | 618.00 |
| 200 | 0656 392 | 648.00 |
| 210 | 0656 393 | 683.00 |
| 220 | 0656 394 | 713.00 |
| 225 | 0656 305 | 857.00 |
| 230 | 0656 395 | 747.00 |
| 240 | 0656 396 | 780.00 |
| 250 | 0656 397 | 814.00 |
| 260 | 0656 398 | 847.00 |
| 270 | 0656 399 | 879.00 |
| 275 | 0656 306 | 943.00 |

## 0658 Thread plug gauges




DIN 2280

**Model**

- DIN 2280
- For standard metric ISO threads DIN 13
- Gauge steel, hardened

| ⋈ | | Fit | Type of thread | Nominal size mm | Thread pitch mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 5H | M | 1.0 | 0.25 | 0658 001 | 142.00 |
| | | 5H | M | 1.2 | 0.25 | 0658 002 | 137.00 |
| | | 5H | M | 1.4 | 0.30 | 0658 003 | 119.00 |
| | | 6H | M | 1.6 | 0.35 | 0658 004 | 104.00 |
| | | 6H | M | 1.8 | 0.35 | 0658 005 | 91.00 |
| | | 6H | M | 2.0 | 0.40 | 0658 006 | 91.00 |
| | | 6H | M | 2.2 | 0.45 | 0658 007 | 84.00 |
| | | 6H | M | 2.5 | 0.45 | 0658 008 | 79.00 |
| | | 6H | M | 3.0 | 0.5 | 0658 009 | 65.00 |
| | | 6H | M | 3.5 | 0.6 | 0658 010 | 64.00 |
| | | 6H | M | 4.0 | 0.7 | 0658 011 | 61.00 |
| | | 6H | M | 5.0 | 0.8 | 0658 012 | 60.00 |
| | | 6H | M | 6.0 | 1 | 0658 013 | 58.00 |
| | | 6H | M | 7.0 | 1 | 0658 014 | 59.00 |
| | | 6H | M | 8.0 | 1.25 | 0658 015 | 60.00 |
| | | 6H | M | 9.0 | 1.25 | 0658 016 | 61.00 |
| | | 6H | M | 10.0 | 1.5 | 0658 017 | 64.00 |
| | | 6H | M | 11.0 | 1.5 | 0658 018 | 101.00 |
| | | 6H | M | 12.0 | 1.75 | 0658 019 | 69.00 |
| | | 6H | M | 14.0 | 2 | 0658 020 | 74.00 |
| | | 6H | M | 16.0 | 2 | 0658 021 | 80.00 |
| | | 6H | M | 18.0 | 2.5 | 0658 022 | 85.00 |
| | | 6H | M | 20.0 | 2.5 | 0658 023 | 90.00 |
| | | 6H | M | 22.0 | 2.5 | 0658 024 | 97.00 |
| | | 6H | M | 24.0 | 3 | 0658 025 | 108.00 |
| | | 6H | M | 27.0 | 3 | 0658 026 | 118.00 |
| | | 6H | M | 30.0 | 3.5 | 0658 027 | 132.00 |
| | | 6H | M | 33.0 | 3.5 | 0658 028 | 143.00 |
| | | 6H | M | 36.0 | 4 | 0658 029 | 156.00 |
| | | 6H | M | 39.0 | 4 | 0658 030 | 172.00 |
| | | 6H | M | 42.0 | 4.5 | 0658 031 | 254.00 |
| | | 6H | M | 45.0 | 4.5 | 0658 032 | 274.00 |
| | | 6H | M | 48.0 | 5 | 0658 033 | 296.00 |
| | | 6H | M | 52.0 | 5 | 0658 034 | 317.00 |
| | | 6H | M | 56.0 | 5.5 | 0658 035 | 351.00 |
| | | 6H | M | 60.0 | 5.5 | 0658 036 | 372.00 |
| | | 6H | M | 64.0 | 6 | 0658 037 | 407.00 |
| | | 6H | M | 68.0 | 6 | 0658 038 | 433.00 |

## 0658 Set of thread plug gauges



**Delivery**

- Wooden box

DIN 2280

| ⋈ | | Tolerance class | Type of thread | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|
| (M3, M4, M5, M6, M8, M10, M12) | | | | | | |
| | | 6H | M | M3 - M12 | 0658 090 | 242.00 |



Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0658 GO thread ring gauges




**Model**

- GO thread ring gauge
- For standard metric ISO threads DIN 13
- Hardened gauge steel
- DIN 2285-1

DIN 2285-1

| | | Fit | Type of thread | Nominal size mm | Thread pitch mm | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 6h | M | 1.0 | 0.25 | 0658 501 | 143.00 |
| | | 6h | M | 1.2 | 0.25 | 0658 502 | 136.00 |
| | | 6h | M | 1.4 | 0.30 | 0658 503 | 126.00 |
| | | 6g | M | 1.6 | 0.35 | 0658 504 | 91.00 |
| | | 6g | M | 1.8 | 0.35 | 0658 505 | 83.00 |
| | | 6g | M | 2.0 | 0.40 | 0658 506 | 83.00 |
| | | 6g | M | 2.2 | 0.45 | 0658 507 | 72.00 |
| | | 6g | M | 2.5 | 0.45 | 0658 508 | 62.00 |
| | | 6g | M | 3.0 | 0.50 | 0658 509 | 51.00 |
| | | 6g | M | 3.5 | 0.60 | 0658 510 | 48.20 |
| | | 6g | M | 4.0 | 0.70 | 0658 511 | 47.20 |
| | | 6g | M | 5.0 | 0.8 | 0658 512 | 47.20 |
| | | 6g | M | 6.0 | 1.0 | 0658 513 | 47.20 |
| | | 6g | M | 7.0 | 1.0 | 0658 514 | 47.20 |
| | | 6g | M | 8.0 | 1.25 | 0658 515 | 48.20 |
| | | 6g | M | 9.0 | 1.25 | 0658 516 | 51.00 |
| | | 6g | M | 10.0 | 1.5 | 0658 517 | 57.00 |
| | | 6g | M | 11.0 | 1.5 | 0658 518 | 64.00 |
| | | 6g | M | 12.0 | 1.75 | 0658 519 | 66.00 |
| | | 6g | M | 14.0 | 2 | 0658 520 | 72.00 |
| | | 6g | M | 16.0 | 2 | 0658 521 | 80.00 |
| | | 6g | M | 18.0 | 2.5 | 0658 522 | 91.00 |
| | | 6g | M | 20.0 | 2.5 | 0658 523 | 102.00 |
| | | 6g | M | 22.0 | 2.5 | 0658 524 | 110.00 |
| | | 6g | M | 24.0 | 3 | 0658 525 | 118.00 |
| | | 6g | M | 27.0 | 3 | 0658 526 | 133.00 |
| | | 6g | M | 30.0 | 3.5 | 0658 527 | 143.00 |
| | | 6g | M | 33.0 | 3.5 | 0658 528 | 158.00 |
| | | 6g | M | 36.0 | 4 | 0658 529 | 169.00 |
| | | 6g | M | 39.0 | 4 | 0658 530 | 184.00 |
| | | 6g | M | 42.0 | 4.5 | 0658 531 | 201.00 |
| | | 6g | M | 45.0 | 4.5 | 0658 532 | 212.00 |
| | | 6g | M | 48.0 | 5 | 0658 533 | 224.00 |
| | | 6g | M | 52.0 | 5 | 0658 534 | 243.00 |
| | | 6g | M | 56.0 | 5.5 | 0658 535 | 257.00 |
| | | 6g | M | 60.0 | 5.5 | 0658 536 | 274.00 |
| | | 6g | M | 64.0 | 6 | 0658 537 | 294.00 |
| | | 6g | M | 68.0 | 6 | 0658 538 | 311.00 |

# 0658 NO GO thread ring gauges




**Model**

- NOGO thread ring gauge
- For standard metric ISO threads DIN 13
- Hardened gauge steel
- DIN 2299-1

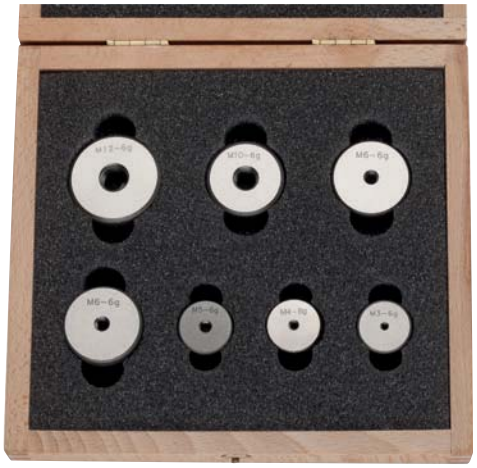
DIN 2299-1

| ⋈ | | Fit | Type of thread | Nominal size mm | Thread pitch | Order no. | List price EUR |
|---|---|---|---|---|---|---|---|
| | | 6h | M | 1.0 | 0.25 | 0658 601 | 143.00 |
| | | 6h | M | 1.2 | 0.25 | 0658 602 | 136.00 |
| | | 6h | M | 1.4 | 0.30 | 0658 603 | 126.00 |
| | | 6h | M | 1.6 | 0.35 | 0658 604 | 91.00 |
| | | 6h | M | 1.8 | 0.35 | 0658 605 | 83.00 |
| | | 6h | M | 2.0 | 0.40 | 0658 606 | 83.00 |
| | | 6g | M | 2.2 | 0.45 | 0658 607 | 72.00 |
| | | 6g | M | 2.5 | 0.45 | 0658 608 | 62.00 |
| | | 6g | M | 3.0 | 0.50 | 0658 609 | 51.00 |
| | | 6g | M | 3.5 | 0.60 | 0658 610 | 48.20 |
| | | 6g | M | 4.0 | 0.70 | 0658 611 | 47.20 |
| | | 6g | M | 5.0 | 0.8 | 0658 612 | 47.20 |
| | | 6g | M | 6.0 | 1.0 | 0658 613 | 47.20 |
| | | 6g | M | 7.0 | 1.0 | 0658 614 | 47.20 |
| | | 6g | M | 8.0 | 1.25 | 0658 615 | 48.20 |
| | | 6g | M | 9.0 | 1.25 | 0658 616 | 51.00 |
| | | 6g | M | 10.0 | 1.5 | 0658 617 | 57.00 |
| | | 6g | M | 11.0 | 1.5 | 0658 618 | 65.00 |
| | | 6g | M | 12.0 | 1.75 | 0658 619 | 66.00 |
| | | 6g | M | 14.0 | 2 | 0658 620 | 72.00 |
| | | 6g | M | 16.0 | 2 | 0658 621 | 80.00 |
| | | 6g | M | 18.0 | 2.5 | 0658 622 | 91.00 |
| | | 6g | M | 20.0 | 2.5 | 0658 623 | 102.00 |
| | | 6g | M | 22.0 | 2.5 | 0658 624 | 110.00 |
| | | 6g | M | 24.0 | 3 | 0658 625 | 118.00 |
| | | 6g | M | 27.0 | 3 | 0658 626 | 133.00 |
| | | 6g | M | 30.0 | 3.5 | 0658 627 | 143.00 |
| | | 6g | M | 33.0 | 3.5 | 0658 628 | 158.00 |
| | | 6g | M | 36.0 | 4 | 0658 629 | 169.00 |
| | | 6g | M | 39.0 | 4 | 0658 630 | 184.00 |
| | | 6g | M | 42.0 | 4.5 | 0658 631 | 201.00 |
| | | 6g | M | 45.0 | 4.5 | 0658 632 | 212.00 |
| | | 6g | M | 48.0 | 5 | 0658 633 | 224.00 |
| | | 6g | M | 52.0 | 5 | 0658 634 | 243.00 |
| | | 6g | M | 56.0 | 5.5 | 0658 635 | 257.00 |
| | | 6g | M | 60.0 | 5.5 | 0658 636 | 274.00 |
| | | 6g | M | 64.0 | 6 | 0658 637 | 294.00 |
| | | 6g | M | 68.0 | 6 | 0658 638 | 311.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0658 Thread ring gauges GO



DIN 2285-1

**Model**

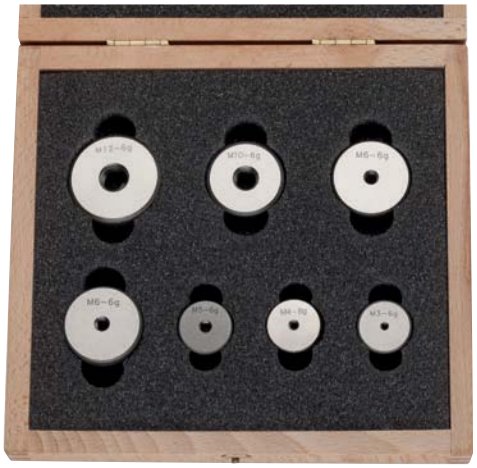
- 7-pieces
- Hardened gauge steel
- For standard metric ISO threads DIN 13
- Fit 6g

**Delivery**

- Wooden case

| Fit | Type of thread | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|
| (M3. M4. M5. M6. M8. M10. M12) | | | | |
| 6g | M | 3 - 12 | 0658 590 | 242.00 |

## 0658 Thread ring gauges NO GO



DIN 2299-1

**Model**

- 7-pieces
- Hardened gauge steel
- For standard metric ISO threads DIN 13
- Fit 6g

**Delivery**

- Wooden case

| Fit | Type of thread | Nominal size mm | Order no. | List price EUR |
|---|---|---|---|---|
| (M3. M4. M5. M6. M8. M10. M12) | | | | |
| 6g | M | 3 - 12 | 0658 690 | 242.00 |

HELIOS · PREISSER

# SAMPLES
# DATA TRANSMISSION

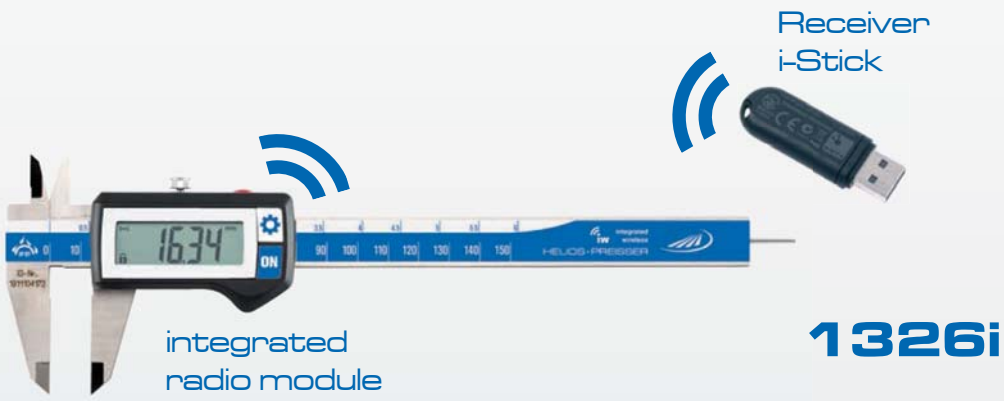
NEW

## IW integrated wireless

**NO** CABLE
**NO** RADIO MODULE

Thanks to the integrated wireless system our measuring devices from series **i** offer simple data transmission without additional cables

Transmission of data directly to MS Excel® or into any application on Windows via keyboard interface




**1326i**

---

## DATA Variable



OUT **STANDARD** FOR
DATA TRANSMISSION
**WITH CABLES**

**ONE** INTERFACE
**MANY** OPTIONS



USB + RS 232 + DIGIMATIC

# 7. CHAPTER DATA TRANSMISSION


| | |
|---|---|
| 278 | Data cables Data Variable / Software |
| 279 | Integrated Wireless |
| 280 | Data cables Opto / BlueDat |
| 281 | USB-keyboard interface |

## 1998 / 1997 Data cable DATA VARIABLE

### Our Interface: Data Variable



**DATA-Button**
To transfer the measured results

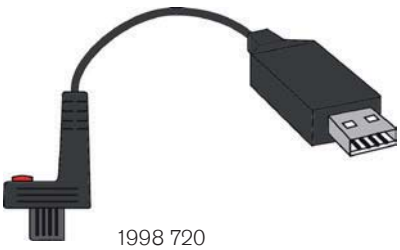
### Possible connections



USB RS 232 Digimatic

**Model**

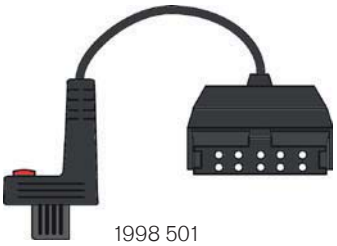
- Available for all DIGI-MET measuring instruments with a variable data output (DATA VARIABLE)
- Length 2 m
- With a data transfer button on the plug-in jack
- For use with MarCom Professional software to transfer the measured results to PC, laptop or workstation



1998 720



1997 501



1998 501

| ⋈ | ⁒ | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | Cable DataVariable for RS 232 | 1997 501 | 48.00 |
| | | Cable DataVariable for Digimatic | 1998 501 | 61.00 |
| | | Cable DataVariable for USB | 1998 720 | 69.00 |

## 1998 Software MarCom Professional

**Model**
**Software for easy data aquisition, for all measuring instruments with variable data output (DATA VARIABLE) and integrated wireless (IW)**

DOWNLOAD FOR FREE
www.helios-preisser.de

- Connection to more than 100 mearuring instruments with USB data cable possible
- Data transmission with virtual interface box MUX 50 format possible
- Connection of two serial COM-interfaces possible
- Several foot switches via USB connectable, the measuring instruments can be freely assigned
- USB Hubs connectable as measuring instrument interface
- Wireless data transfer with Integrated Wireless (IW) devices
- Wireless data transfer via *blue*DAT

**System requirements**

IBM AT compatible PC, MS Windows 7 / 8 / 10, USB-interface from version 2.0 MS EXCEL® from version 97

| ⋈ | ⁒ | Description | Order no. |
|---|---|---|---|
| | | MarCom Professional | 1998 710 |



⁒ Marked ▪ = excess length/excess weight ⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 1998 i-Stick USB-receiver for Integrated Wireless

**NOVELTY**
Data transmission without cable or radio module

integrated wireless



**Model**

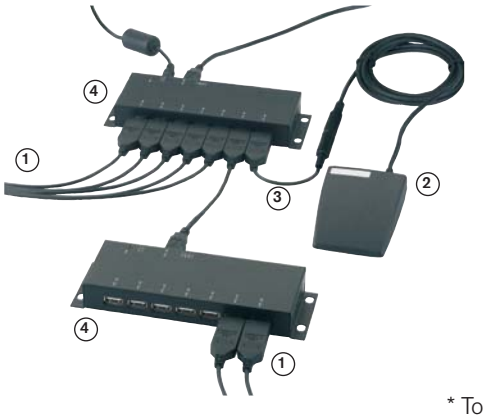
- **Measurement without the nuisance of additional modules**: Unlike conventional wireless solutions, which have a large external transmitter with separate battery, the transmitter in Integrated Wireless is fully integrated.
- **Highly mobile**: Integrated Wireless gives you much more mobility. There is no cable to get in the way, either at the measuring station or when measuring on or at the machine or at large workpieces
- **Easy data transfer**: With Integrated Wireless you can transfer your measured values to the PC simply using the i-Stick. As with a data cable, the measured values are accepted via the MarCom software directly into MS Excel© or via a keyboard code into any Windows application
- **Reliable transfer**: With Integrated Wireless you can be sure that your data will arrive safely. Measuring instruments with Integrated Wireless display messages to confirm whether the transmitted data has been correctly transferred or whether you are within receiving range of the i-Stick receiver
- **Long battery life**: The integrated wireless interface makes the measuring instrument exceptionally energy-efficient. And unlike conventional wireless systems, no additional battery is required
- **Affordable**: With Integrated Wireless you can connect up to 8 measuring instruments per i-Stick receiver. Expensive interface boxes are no longer necessary. With even one connected measuring instrument you get a wireless connection for the price of a cable

| | | Number of channels | Frequency band MHz | Radio range | Number of i-Sticks per workspace | Number of devices max. | For measuring instruments | Order no. | List price Euro EUR |
|---|---|---|---|---|---|---|---|---|---|
| | | 3 | 2400 | up to 6 meters | 4 | 32 (8 per i-Stick) | 1326i / 1371i / 1726i / 1734i | 1998 780 | 97.00 |

= QuickLock = QuickStart = Waterproof acc. IP = Data output = DIN

## 1998 Accesories for data aquisition with MarCom

**Example: possible measuring station setup**




**Model**

1. USB-cable to devices
2. Foot switch with jack plug
3. USB-adapter-cable for foot switch
4. USB-hub for connecting several devices

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | **Cable DataVariable for USB** | **1998 720** | **69.00** |
| | | **USB-adapter cable for foot switch** | **1998 722** | **58.00** |
| | | **USB-hub sevenfold** with plug-in power supply | **1998 730** | **115.00** |
| | | **Foot-switch* (length of the cable 2 m)** | **1998 732** | **69.00** |

* To connect to the MarCom, the USB-adapter cable Ref. No. 1998 722 is required

## 0996 Data cable opto RS232


0996 701


0996 705

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | **Cable Opto for RS232** | **0996 701** | **74.00** |
| | | **Cable Opto for USB** | **0996 705** | **141.00** |

## 1998 blueDAT - wireless data transmission (bluetooth)


1998 740


1998 742


1998 744


1998 746


1998 748

**Model**

Available for all DIGI-MET measuring instruments with a variable data output (DATA VARIABLE)

- Reach: approx. 10 m
- With a data transfer button on the plug-in jack

- USB receiver for use with Mar-Com Professional software to transfer the measured results to PC, laptop or workstation

| ⋈ | | Description | Order no. | List price EUR |
|---|---|---|---|---|
| | | ***blue*DAT USB receiver** | **1998 740** | **97.00** |
| | | ***blue*DAT for DATA Variable** | **1998 742** | **348.00** |
| | | ***blue*DAT for RS 232 opto** | **1998 744** | **348.00** |
| | | ***blue*DAT for RS 232 Proximity** | **1998 746** | **477.00** |
| | | ***blue*DAT for RS 232 Power (Powered through cable)** | **1998 748** | **477.00** |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## 0997 USB-keyboard interface cable




0997 770 0997 772 0997 774

**Model**

- USB-keyboard interface and data cable are in one unit (length of the cable: 2 m)
- For connection of one unit
- Power supply via USB-Interface
- No driver file for the USB-Interface required
- The USB-Interface reveal themselves as a keyboard
- Terminators like Enter or Tab can be adjusted in the USB-Interface
- More settings such as language, separator and timer
- Transmit data using either the data-switch on measuring instrument or with a timer

| Description | Order no. | List price EUR |
|---|---|---|
| **USB-keyboard interface cable Opto RS 232** | **0997 770** | **241.00** |
| **USB-keyboard interface RS 232 Proximity** | **0997 772** | **241.00** |
| **USB-keyboard interface cable RS 232 Power (Power supply through data cable)** | **0997 774** | **294.00** |

## 0997 USB-keyboard interface „T-Box 302 USB“



4 RS 232 input ports




Connection for foot switch

**Model**

- USB-keyboard interface for 4 x RS 232C input
- for simultaneous connection of up to 4 devices
- power supply via USB-port
- no driver file for the USB-Interface required
- the USB-Interface reveal themselves as a keyboard
- terminators like Enter or Tab can be adjusted in the USB-Interface
- more settings such as language, separator and timer
- measured results can be directly conveyed e.g. to EXCEL or other text processing or statistics programs.
- foot switch connector, transmit data on measuring instrument or cable for data transmission or with a timer

| Description | Order no. | List price EUR |
|---|---|---|
| **Keyboard interface T-Box 302 USB** | **0997 778** | **791.00** |

HELIOS · PREISSER

# CALIBRATIONS

**Traceable** calibration **certificates**
directly from the **expert**

**Certificates** are already **included**
for **selected products**

We are certified according to
**DIN EN ISO 9001:2015**



# 8. CHAPTER CALIBRATION SERVICE ORDER NUMBER INDEX AND KEYWORD INDEX


| | |
|---|---|
| 284 | Calibration service |
| 286 | Order number index |
| 302 | Keyword index |




## Free initial calibration available with many of our products

All HELIOS-PREISSER measuring instruments with a ⋈ marked in the column (=Calibration), will undergo initial calibration and are supplied with a certificate at no extra charge! No separate order is required for these articles to be pre-calibrated on delivery. For all other gauges and measuring instruments. and for subsequent calibration. the following calibration services are offered. Testing is carried out in accordance with VDI / VDE / DGQ guidelines 26 ff.

## Calibration service

**Calipers / Depth gauges / Height gauges** analogue or digital (1 graduation)

| ⋈ | | max. measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 150 | 4310 110 | 11.50 |
| | | 300 | 4310 115 | 20.60 |
| | | 500 | 4310 120 | 34.80 |
| | | 1000 | 4310 125 | 74.00 |
| | | 2000 | 4310 130 | 102.00 |
| | | 3000 | 4310 135 | 159.00 |

**Micrometers according to DIN 863-1**

| ⋈ | | max. measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 25 | 4320 210 | 19.60 |
| | | 100 | 4320 212 | 26.40 |
| | | 200 | 4320 214 | 28.70 |
| | | 300 | 4320 220 | 31.80 |
| | | 500 | 4320 224 | 35.10 |
| | | 1000 | 4320 228 | 58.00 |

**Micrometers with interchangeable inserts** including setting standard

| ⋈ | | max. measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 4320 810 | 123.00 |
| | | 200 | 4320 814 | 175.00 |
| | | 300 | 4320 818 | 187.00 |
| | | 400 | 4320 822 | 192.00 |
| | | 500 | 4320 826 | 192.00 |
| | | 600 | 4320 830 | 192.00 |
| | | 700 | 4320 834 | 245.00 |
| | | 800 | 4320 838 | 245.00 |
| | | 900 | 4320 842 | 245.00 |
| | | 1000 | 4320 846 | 245.00 |
| | | 1200 | 4320 850 | 291.00 |
| | | 1400 | 4320 854 | 291.00 |
| | | 1600 | 4320 858 | 347.00 |
| | | 1800 | 4320 862 | 347.00 |
| | | 2000 | 4320 866 | 347.00 |

**Setting standards for micrometers** Tolerance zone js2

| ⋈ | | max. measuring range mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 4329 010 | 7.00 |
| | | 500 | 4329 026 | 16.00 |
| | | 1000 | 4329 046 | 32.00 |

**Squares with and without base, knife edge squares according to DIN 875** all accuracies

| ⋈ | | max. length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 100 | 4340 210 | 15.00 |
| | | 200 | 4340 214 | 16.50 |
| | | 500 | 4340 218 | 24.30 |
| | | 750 | 4340 222 | 41.60 |
| | | 1000 | 4340 226 | 49.60 |
| | | 1500 | 4340 230 | 74.00 |

**Protractor**

| ⋈ | | | Order no. | List price EUR |
|---|---|---|---|---|
| | | | 4342 410 | 11.50 |

**Universal bevel protractor** analogue or digital (1 blade)

| ⋈ | | | Order no. | List price EUR |
|---|---|---|---|---|
| | | | 4342 610 | 26.40 |

**Rules according to DIN 866 Form A / B**

| ⋈ | | max. length mm | Order no. | List price EUR |
|---|---|---|---|---|
| | | 500 | 4350 210 | 30.10 |
| | | 1000 | 4350 218 | 49.20 |
| | | 1500 | 4350 226 | 74.00 |
| | | 2000 | 4350 232 | 96.00 |
| | | 3000 | 4350 238 | 134.00 |



Marked ▪ = excess length/excess weight

⋈ Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

## Calibration service

### Flat rules according to DIN 874 Part 1 all accuracies

| max. length mm | Order no. | List price EUR |
|---|---|---|
| 500 | 4351 610 | 25.10 |
| 1000 | 4351 618 | 59.00 |
| 2000 | 4351 628 | 87.00 |
| 3000 | 4351 638 | 111.00 |

### Knife edge rules according to DIN 874 Part 2 all accuracies

| max. length mm | Order no. | List price EUR |
|---|---|---|
| 200 | 4352 412 | 14.30 |
| 500 | 4352 418 | 22.70 |
| 1000 | 4352 422 | 43.00 |

### Levels

| max. length mm | Order no. | List price EUR |
|---|---|---|
| 300 | 4353 410 | 52.00 |

### Frame levels

| max. length mm | Order no. | List price EUR |
|---|---|---|
| 300 | 4353 510 | 73.00 |

### Parallel gauge blocks

| max. nominal size | Order no. | List price EUR |
|---|---|---|
| 100 | 4357 010 | 10.80 |
| 300 | 4357 020 | 31.80 |

### Plug gauges. GO / NOGO master gauges

| max. diameter mm | Order no. | List price EUR |
|---|---|---|
| 100 | 4357 610 | 11.00 |
| 200 | 4357 620 | 18.70 |

### Setting rings (master rings)

| max. diameter mm | Order no. | List price EUR |
|---|---|---|
| 100 | 4358 410 | 16.50 |
| 200 | 4358 420 | 29.10 |

### Snap gauges. GO and NOGO

| max. nominal size | Order no. | List price EUR |
|---|---|---|
| 100 | 4358 810 | 18.70 |

### Thread plug gauges. GO / NOGO thread gauges

| max. diameter mm | Order no. | List price EUR |
|---|---|---|
| 100 | 4359 210 | 23.80 |

### Thread master rings

| max. diameter mm | Order no. | List price EUR |
|---|---|---|
| 100 | 4359 410 | 30.40 |

### Indicators. analogue and digital. readings/resolution 0.01 and 0.001

| max. measuring range mm | Order no. | List price EUR |
|---|---|---|
| 13 | 4360 210 | 24.30 |
| 30 | 4360 212 | 34.80 |
| 50 | 4360 214 | 39.50 |
| 100 | 4360 218 | 51.00 |

### Dial test indicator

| | Order no. | List price EUR |
|---|---|---|
| | 4360 810 | 33.70 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0003219 | 83 | 7.40 |
| 0003220 | 83 | 8.80 |
| 0003221 | 83 | 11.10 |
| 0003222 | 83 | 15.40 |
| 0003223 | 83 | 17.20 |
| 0003224 | 83 | 25.90 |
| 0003225 | 83 | 33.70 |
| 0003226 | 83 | 40.20 |
| 0003227 | 83 | 36.80 |
| 0003228 | 83 | 44.80 |
| 0003229 | 83 | 46.00 |
| 0003230 | 83 | 47.20 |
| 0003231 | 83 | 48.20 |
| 0003232 | 83 | 48.20 |
| 0003233 | 83 | 58.00 |
| 0003234 | 83 | 64.00 |
| 0003235 | 83 | 70.00 |
| 0003236 | 83 | 59.00 |
| 0003237 | 83 | 63.00 |
| 0003238 | 83 | 64.00 |
| 0003239 | 83 | 72.00 |
| 0003240 | 83 | 83.00 |
| 0003241 | 83 | 83.00 |
| 0003242 | 83 | 79.00 |
| 0003243 | 83 | 84.00 |
| 0003244 | 83 | 95.00 |
| 0003245 | 83 | 105.00 |
| 0003246 | 83 | 113.00 |
| 0003247 | 83 | 130.00 |
| 0003248 | 83 | 110.00 |
| 0003249 | 83 | 110.00 |
| 0003250 | 83 | 140.00 |
| 0003251 | 83 | 146.00 |
| 0003252 | 83 | 158.00 |
| 0003253 | 83 | 188.00 |
| 0003254 | 83 | 245.00 |
| 0003255 | 83 | 289.00 |
| 0003256 | 83 | 273.00 |
| 0003257 | 83 | 294.00 |
| 0003258 | 83 | 305.00 |
| 0003259 | 83 | 353.00 |
| 0003280 | 212 | 4.10 |
| 0003281 | 212 | 4.50 |
| 0003282 | 212 | 4.70 |
| 0003283 | 212 | 5.90 |
| 0003284 | 212 | 6.50 |
| 0003285 | 212 | 7.40 |
| 0003286 | 212 | 8.60 |
| 0003287 | 212 | 8.20 |
| 0003288 | 212 | 18.50 |
| 0003289 | 212 | 11.10 |
| 0003290 | 212 | 18.50 |
| 0003291 | 212 | 32.00 |
| 0003292 | 212 | 35.30 |
| 0003293 | 212 | 35.60 |
| 0003294 | 212 | 39.80 |
| 0145110 | 28 | 164.00 |
| 0180310 | 20 | 4.20 |
| 0180320 | 20 | 6.80 |
| 0180330 | 20 | 6.80 |
| 0182501 | 19 | 33.20 |
| 0184501 | 14 | 25.00 |
| 0184505 | 14 | 33.00 |
| 0184508 | 14 | 49.00 |
| 0185500 | 14 | 19.50 |
| 0185501 | 14 | 25.00 |
| 0185505 | 14 | 33.00 |
| 0185508 | 14 | 49.00 |
| 0188501 | 15 | 22.00 |
| 0189501 | 15 | 22.00 |
| 0190501 | 18 | 26.00 |
| 0194501 | 15 | 26.00 |
| 0195501 | 15 | 26.00 |
| 0197501 | 17 | 32.00 |
| 0197505 | 17 | 75.00 |
| 0197508 | 17 | 149.00 |
| 0198501 | 17 | 29.50 |
| 0199501 | 17 | 29.50 |
| 0203501 | 18 | 49.50 |
| 0212520 | 22 | 128.00 |
| 0212522 | 22 | 187.00 |
| 0212524 | 22 | 187.00 |
| 0212526 | 22 | 213.00 |
| 0212528 | 22 | 213.00 |
| 0216521 | 21 | 352.00 |
| 0217501 | 21 | 65.00 |
| 0217502 | 21 | 131.00 |
| 0218501 | 21 | 87.00 |
| 0219503 | 44 | 288.00 |
| 0220204 | 93 | 3.20 |
| 0220704 | 24 | 3.70 |
| 0220705 | 26 | 21.50 |
| 0222734 | 50 | 2,569.00 |
| 0222736 | 50 | 3,083.00 |
| 0223734 | 50 | 2,741.00 |
| 0223736 | 50 | 3,176.00 |
| 0224734 | 51 | 2,323.00 |
| 0224736 | 51 | 2,816.00 |
| 0225734 | 51 | 2,449.00 |
| 0225736 | 51 | 2,907.00 |
| 0228701 | 54 | 473.00 |
| 0228702 | 54 | 658.00 |
| 0228703 | 54 | 925.00 |
| 0228704 | 54 | 1,091.00 |
| 0228724 | 54 | 2,753.00 |
| 0228726 | 54 | 3,273.00 |
| 0230501 | 37 | 140.00 |
| 0230502 | 37 | 156.00 |
| 0230503 | 37 | 171.00 |
| 0230508 | 37 | 489.00 |
| 0231501 | 37 | 166.00 |
| 0231502 | 37 | 182.00 |
| 0231503 | 37 | 197.00 |
| 0231508 | 37 | 535.00 |
| 0234201 | 38 | 105.00 |
| 0234202 | 38 | 128.00 |
| 0234203 | 38 | 137.00 |
| 0234205 | 38 | 321.00 |
| 0234208 | 38 | 402.00 |
| 0234211 | 38 | 470.00 |
| 0234214 | 38 | 535.00 |
| 0234218 | 38 | 649.00 |
| 0234222 | 38 | 1,038.00 |
| 0234224 | 38 | 1,342.00 |
| 0234226 | 38 | 1,960.00 |
| 0234501 | 38 | 124.00 |
| 0234502 | 38 | 143.00 |
| 0234503 | 38 | 157.00 |
| 0234505 | 38 | 364.00 |
| 0234508 | 38 | 469.00 |
| 0234511 | 38 | 532.00 |
| 0234514 | 38 | 603.00 |
| 0234518 | 38 | 724.00 |
| 0234522 | 38 | 1,182.00 |
| 0234524 | 38 | 1,521.00 |
| 0234526 | 38 | 2,227.00 |
| 0235201 | 39 | 132.00 |
| 0235202 | 39 | 153.00 |
| 0235203 | 39 | 161.00 |
| 0235205 | 39 | 371.00 |
| 0235208 | 39 | 452.00 |
| 0235211 | 39 | 518.00 |
| 0235214 | 39 | 594.00 |
| 0235218 | 39 | 692.00 |
| 0235222 | 39 | 1,136.00 |
| 0235224 | 39 | 1,435.00 |
| 0235226 | 39 | 2,119.00 |
| 0235501 | 39 | 141.00 |
| 0235502 | 39 | 169.00 |
| 0235503 | 39 | 181.00 |
| 0235505 | 39 | 412.00 |
| 0235508 | 39 | 507.00 |
| 0235511 | 39 | 577.00 |
| 0235514 | 39 | 664.00 |
| 0235518 | 39 | 784.00 |
| 0235522 | 39 | 1,268.00 |
| 0235524 | 39 | 1,613.00 |
| 0235526 | 39 | 2,376.00 |
| 0236201 | 40 | 90.00 |
| 0236202 | 40 | 110.00 |
| 0236203 | 40 | 124.00 |
| 0236204 | 42 | 230.00 |
| 0236205 | 40 | 254.00 |
| 0236206 | 42 | 327.00 |
| 0236207 | 42 | 399.00 |
| 0236208 | 40 | 335.00 |
| 0236209 | 42 | 444.00 |
| 0236210 | 42 | 535.00 |
| 0236211 | 40 | 401.00 |
| 0236212 | 42 | 557.00 |
| 0236213 | 42 | 685.00 |
| 0236214 | 40 | 428.00 |
| 0236215 | 42 | 644.00 |
| 0236216 | 42 | 824.00 |
| 0236217 | 42 | 957.00 |
| 0236218 | 40 | 535.00 |
| 0236219 | 42 | 791.00 |
| 0236220 | 42 | 883.00 |
| 0236221 | 42 | 1,331.00 |
| 0236222 | 40 | 828.00 |
| 0236224 | 40 | 1,129.00 |
| 0236225 | 42 | 1,365.00 |
| 0236226 | 40 | 1,556.00 |
| 0236227 | 42 | 1,899.00 |
| 0236230 | 40 | 2,574.00 |
| 0236231 | 42 | 3,139.00 |
| 0236501 | 40 | 103.00 |
| 0236502 | 40 | 130.00 |
| 0236503 | 40 | 140.00 |
| 0236504 | 42 | 248.00 |
| 0236505 | 40 | 297.00 |
| 0236506 | 42 | 381.00 |
| 0236507 | 42 | 463.00 |
| 0236508 | 40 | 391.00 |
| 0236509 | 42 | 514.00 |
| 0236510 | 42 | 614.00 |
| 0236511 | 40 | 467.00 |
| 0236512 | 42 | 581.00 |
| 0236513 | 42 | 756.00 |
| 0236514 | 40 | 484.00 |
| 0236515 | 42 | 748.00 |
| 0236516 | 42 | 954.00 |
| 0236517 | 42 | 1,119.00 |
| 0236518 | 40 | 604.00 |
| 0236519 | 42 | 917.00 |
| 0236520 | 42 | 1,157.00 |
| 0236521 | 42 | 1,581.00 |
| 0236522 | 40 | 992.00 |
| 0236524 | 40 | 1,331.00 |
| 0236525 | 42 | 1,624.00 |
| 0236526 | 40 | 2,006.00 |
| 0236527 | 42 | 2,405.00 |
| 0237201 | 41 | 116.00 |
| 0237202 | 41 | 137.00 |
| 0237203 | 41 | 150.00 |
| 0237204 | 43 | 255.00 |
| 0237205 | 41 | 304.00 |
| 0237206 | 43 | 377.00 |
| 0237207 | 43 | 450.00 |
| 0237208 | 41 | 387.00 |
| 0237209 | 43 | 496.00 |
| 0237210 | 43 | 585.00 |
| 0237211 | 41 | 452.00 |
| 0237212 | 43 | 605.00 |
| 0237213 | 43 | 736.00 |
| 0237214 | 41 | 487.00 |
| 0237215 | 43 | 707.00 |
| 0237216 | 43 | 885.00 |
| 0237217 | 43 | 1,019.00 |
| 0237218 | 41 | 594.00 |
| 0237219 | 43 | 854.00 |
| 0237220 | 43 | 945.00 |
| 0237221 | 43 | 1,392.00 |
| 0237222 | 41 | 922.00 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0237224 | 41 | 1,224.00 |
| 0237225 | 43 | 1,460.00 |
| 0237226 | 41 | 1,710.00 |
| 0237227 | 43 | 2,052.00 |
| 0237230 | 41 | 2,797.00 |
| 0237231 | 43 | 3,361.00 |
| 0237501 | 41 | 127.00 |
| 0237502 | 41 | 155.00 |
| 0237503 | 41 | 167.00 |
| 0237504 | 43 | 272.00 |
| 0237505 | 41 | 347.00 |
| 0237506 | 43 | 430.00 |
| 0237507 | 43 | 512.00 |
| 0237508 | 41 | 439.00 |
| 0237509 | 43 | 562.00 |
| 0237510 | 43 | 663.00 |
| 0237511 | 41 | 514.00 |
| 0237512 | 43 | 676.00 |
| 0237513 | 43 | 807.00 |
| 0237514 | 41 | 544.00 |
| 0237515 | 43 | 809.00 |
| 0237516 | 43 | 1,012.00 |
| 0237517 | 43 | 1,181.00 |
| 0237518 | 41 | 665.00 |
| 0237519 | 43 | 975.00 |
| 0237520 | 43 | 1,218.00 |
| 0237521 | 43 | 1,644.00 |
| 0237522 | 41 | 1,083.00 |
| 0237524 | 41 | 1,424.00 |
| 0237525 | 43 | 1,720.00 |
| 0237526 | 41 | 2,158.00 |
| 0237527 | 43 | 2,556.00 |
| 0238503 | 44 | 364.00 |
| 0238508 | 44 | 520.00 |
| 0238514 | 44 | 695.00 |
| 0238518 | 44 | 814.00 |
| 0238524 | 44 | 2,110.00 |
| 0238526 | 44 | 2,457.00 |
| 0250101 | 58 | 5.70 |
| 0250102 | 58 | 11.40 |
| 0250103 | 58 | 15.60 |
| 0250201 | 58 | 57.00 |
| 0250202 | 58 | 82.00 |
| 0250501 | 57 | 245.00 |
| 0250502 | 57 | 667.00 |
| 0250503 | 57 | 998.00 |
| 0250504 | 57 | 1,213.00 |
| 0250505 | 57 | 1,213.00 |
| 0250511 | 57 | 264.00 |
| 0250512 | 57 | 700.00 |
| 0250513 | 57 | 832.00 |
| 0250514 | 57 | 1,070.00 |
| 0250515 | 57 | 1,300.00 |
| 0250521 | 57 | 264.00 |
| 0250522 | 57 | 700.00 |
| 0250523 | 57 | 832.00 |
| 0250524 | 57 | 1,070.00 |
| 0250525 | 57 | 1,300.00 |
| 0250531 | 57 | 264.00 |
| 0250532 | 57 | 700.00 |
| 0250533 | 57 | 832.00 |
| 0250534 | 57 | 1,070.00 |
| 0250535 | 57 | 1,300.00 |
| 0250541 | 57 | 264.00 |
| 0250542 | 57 | 700.00 |
| 0250543 | 57 | 832.00 |
| 0250544 | 58 | 1,070.00 |
| 0250545 | 58 | 1,300.00 |
| 0250551 | 58 | 264.00 |
| 0250552 | 58 | 700.00 |
| 0250553 | 58 | 832.00 |
| 0250554 | 58 | 1,070.00 |
| 0250555 | 58 | 1,300.00 |
| 0250561 | 58 | 264.00 |
| 0250562 | 58 | 700.00 |
| 0250563 | 58 | 832.00 |
| 0250564 | 58 | 1,070.00 |
| 0250565 | 58 | 1,300.00 |
| 0250571 | 58 | 277.00 |
| 0250572 | 58 | 772.00 |
| 0250573 | 58 | 918.00 |
| 0250574 | 58 | 1,155.00 |
| 0250575 | 58 | 1,403.00 |
| 0252201 | 60 | 137.00 |
| 0252202 | 60 | 264.00 |
| 0252203 | 60 | 289.00 |
| 0252291 | 60 | 4.20 |
| 0252293 | 60 | 5.20 |
| 0253300 | 60 | 81.00 |
| 0253301 | 60 | 81.00 |
| 0253302 | 60 | 103.00 |
| 0253391 | 60 | 3.70 |
| 0258501 | 61 | 138.00 |
| 0258502 | 61 | 184.00 |
| 0258503 | 61 | 283.00 |
| 0258504 | 61 | 320.00 |
| 0258505 | 61 | 357.00 |
| 0260501 | 62 | 71.00 |
| 0260502 | 62 | 71.00 |
| 0261516 | 19 | 215.00 |
| 0262503 | 59 | 260.00 |
| 0268201 | 64 | 296.00 |
| 0268211 | 64 | 361.00 |
| 0268518 | 62 | 175.00 |
| 0268522 | 62 | 187.00 |
| 0273731 | 82 | 197.00 |
| 0273732 | 82 | 203.00 |
| 0273735 | 82 | 220.00 |
| 0273738 | 82 | 233.00 |
| 0273741 | 82 | 283.00 |
| 0273745 | 82 | 495.00 |
| 0273746 | 82 | 539.00 |
| 0273751 | 82 | 353.00 |
| 0273752 | 82 | 358.00 |
| 0273755 | 82 | 380.00 |
| 0273758 | 82 | 400.00 |
| 0273761 | 82 | 430.00 |
| 0273765 | 82 | 604.00 |
| 0273766 | 82 | 649.00 |
| 0276711 | 71 | 6.10 |
| 0279722 | 73 / 78 | 261.00 |
| 0279723 | 73 / 78 | 273.00 |
| 0280501 | 65 | 59.00 |
| 0281201 | 65 | 78.00 |
| 0281202 | 65 | 81.00 |
| 0281204 | 65 | 90.00 |
| 0281205 | 65 | 102.00 |
| 0281501 | 65 | 85.00 |
| 0281502 | 65 | 88.00 |
| 0281504 | 65 | 101.00 |
| 0281505 | 65 | 110.00 |
| 0282201 | 66 | 69.00 |
| 0282202 | 66 | 71.00 |
| 0282203 | 66 | 82.00 |
| 0282204 | 66 | 79.00 |
| 0282205 | 66 | 86.00 |
| 0282206 | 66 | 97.00 |
| 0282207 | 66 | 133.00 |
| 0282208 | 66 | 205.00 |
| 0282209 | 66 | 338.00 |
| 0282210 | 66 | 480.00 |
| 0282212 | 66 | 1,172.00 |
| 0282213 | 66 | 1,540.00 |
| 0282501 | 66 | 75.00 |
| 0282502 | 66 | 79.00 |
| 0282503 | 66 | 89.00 |
| 0282504 | 66 | 86.00 |
| 0282505 | 66 | 95.00 |
| 0282507 | 66 | 146.00 |
| 0282508 | 66 | 223.00 |
| 0282509 | 66 | 371.00 |
| 0282510 | 66 | 526.00 |
| 0286201 | 67 | 82.00 |
| 0286202 | 67 | 84.00 |
| 0286204 | 67 | 95.00 |
| 0286205 | 67 | 102.00 |
| 0286206 | 67 | 126.00 |
| 0286207 | 67 | 160.00 |
| 0286208 | 67 | 268.00 |
| 0286209 | 67 | 420.00 |
| 0286210 | 67 | 583.00 |
| 0286212 | 67 | 1,259.00 |
| 0286213 | 67 | 1,623.00 |
| 0286501 | 67 | 89.00 |
| 0286502 | 67 | 90.00 |
| 0286504 | 67 | 104.00 |
| 0286505 | 67 | 110.00 |
| 0286507 | 67 | 177.00 |
| 0286508 | 67 | 372.00 |
| 0286509 | 67 | 502.00 |
| 0286510 | 67 | 639.00 |
| 0292501 | 68 | 84.00 |
| 0292502 | 68 | 96.00 |
| 0294504 | 68 | 451.00 |
| 0294505 | 68 | 720.00 |
| 0294506 | 68 | 1,119.00 |
| 0294507 | 68 | 1,517.00 |
| 0300007 | 180 | 2.00 |
| 0300008 | 180 | 2.20 |
| 0300009 | 180 | 1.00 |
| 0300010 | 180 | 1.00 |
| 0300011 | 180 | 2.00 |
| 0300013 | 180 | 9.80 |
| 0300014 | 180 | 3.40 |
| 0300102 | 180 | 5.40 |
| 0300103 | 180 | 9.90 |
| 0300112 | 180 | 4.50 |
| 0300114 | 180 | 8.40 |
| 0300120 | 180 | 12.30 |
| 0300130 | 180 | 3.30 |
| 0301001 | 181 | 7.00 |
| 0301002 | 181 | 8.00 |
| 0301003 | 181 | 8.80 |
| 0301004 | 181 | 12.30 |
| 0301005 | 181 | 14.90 |
| 0301006 | 181 | 40.20 |
| 0301007 | 181 | 57.00 |
| 0301008 | 181 | 75.00 |
| 0301009 | 181 | 105.00 |
| 0301010 | 181 | 154.00 |
| 0302001 | 181 | 10.30 |
| 0302002 | 181 | 11.30 |
| 0302003 | 181 | 12.10 |
| 0302004 | 181 | 15.80 |
| 0302005 | 181 | 20.70 |
| 0302006 | 181 | 58.00 |
| 0302007 | 181 | 71.00 |
| 0302008 | 181 | 91.00 |
| 0302009 | 181 | 127.00 |
| 0302010 | 181 | 176.00 |
| 0303001 | 186 | 6.80 |
| 0303002 | 186 | 7.40 |
| 0303003 | 186 | 8.40 |
| 0303004 | 186 | 9.00 |
| 0303005 | 186 | 10.30 |
| 0303006 | 186 | 12.60 |
| 0303007 | 186 | 15.60 |
| 0303008 | 186 | 23.60 |
| 0303009 | 186 | 34.00 |
| 0303010 | 186 | 62.00 |
| 0303012 | 186 | 545.00 |
| 0303015 | 186 | 579.00 |
| 0303020 | 186 | 617.00 |
| 0304001 | 186 | 6.80 |
| 0304002 | 186 | 7.40 |
| 0304003 | 186 | 8.40 |
| 0304004 | 186 | 9.00 |
| 0304005 | 186 | 10.30 |
| 0304006 | 186 | 12.60 |
| 0304007 | 186 | 15.60 |
| 0304008 | 186 | 23.60 |
| 0304009 | 186 | 34.00 |
| 0304010 | 186 | 62.00 |
| 0304012 | 186 | 545.00 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0304015 | 186 | 579.00 |
| 0304020 | 186 | 617.00 |
| 0306001 | 181 | 13.10 |
| 0306003 | 181 | 14.90 |
| 0306005 | 181 | 23.20 |
| 0308201 | 185 | 90.00 |
| 0308202 | 185 | 108.00 |
| 0308303 | 185 | 132.00 |
| 0308305 | 185 | 156.00 |
| 0310101 | 182 | 3.50 |
| 0310102 | 182 | 3.80 |
| 0310103 | 182 | 4.20 |
| 0310105 | 182 | 4.70 |
| 0310107 | 182 | 6.00 |
| 0310108 | 182 | 7.10 |
| 0311101 | 182 | 3.50 |
| 0311102 | 182 | 4.00 |
| 0311103 | 182 | 4.70 |
| 0311105 | 182 | 5.60 |
| 0311107 | 182 | 6.80 |
| 0311108 | 182 | 7.30 |
| 0311120 | 182 | 2.20 |
| 0311121 | 182 | 18.30 |
| 0312101 | 187 | 3.30 |
| 0312103 | 187 | 4.70 |
| 0312105 | 187 | 5.70 |
| 0312107 | 187 | 7.00 |
| 0312108 | 187 | 8.40 |
| 0313101 | 187 | 3.30 |
| 0313103 | 187 | 4.70 |
| 0313105 | 187 | 5.70 |
| 0313107 | 187 | 7.00 |
| 0313108 | 187 | 8.40 |
| 0314002 | 185 | 74.00 |
| 0314003 | 185 | 84.00 |
| 0314004 | 185 | 88.00 |
| 0314005 | 185 | 94.00 |
| 0314102 | 185 | 112.00 |
| 0314103 | 185 | 133.00 |
| 0314104 | 185 | 137.00 |
| 0314105 | 185 | 142.00 |
| 0316110 | 183 | 7.40 |
| 0316111 | 183 | 29.10 |
| 0316151 | 183 | 125.00 |
| 0316152 | 183 | 157.00 |
| 0316153 | 183 | 190.00 |
| 0316154 | 183 | 244.00 |
| 0316201 | 183 | 141.00 |
| 0316202 | 183 | 195.00 |
| 0317001 | 184 | 65.00 |
| 0317002 | 184 | 92.00 |
| 0317003 | 184 | 119.00 |
| 0317004 | 184 | 163.00 |
| 0317005 | 184 | 375.00 |
| 0317006 | 184 | 610.00 |
| 0317007 | 184 | 814.00 |
| 0317010 | 184 | 8.10 |
| 0317101 | 184 | 78.00 |
| 0317102 | 184 | 105.00 |
| 0317103 | 184 | 136.00 |
| 0317104 | 184 | 177.00 |
| 0317105 | 184 | 391.00 |
| 0317106 | 184 | 615.00 |
| 0317107 | 184 | 810.00 |
| 0317110 | 184 | 23.00 |
| 0318201 | 190 | 148.00 |
| 0318203 | 190 | 157.00 |
| 0318210 | 190 | 12.50 |
| 0318211 | 190 | 40.50 |
| 0319001 | 191 | 35.30 |
| 0319002 | 191 | 44.20 |
| 0319003 | 191 | 63.00 |
| 0319004 | 191 | 85.00 |
| 0319010 | 191 | 3.70 |
| 0319101 | 191 | 45.20 |
| 0319102 | 191 | 53.00 |
| 0319103 | 191 | 73.00 |
| 0319104 | 191 | 92.00 |
| 0319510 | 191 | 38.40 |
| 0320001 | 191 | 44.20 |
| 0320002 | 191 | 85.00 |
| 0320101 | 191 | 69.00 |
| 0320102 | 191 | 108.00 |
| 0321301 | 189 | 21.80 |
| 0321302 | 189 | 24.40 |
| 0321303 | 189 | 24.90 |
| 0321305 | 189 | 47.30 |
| 0322501 | 190 | 24.90 |
| 0322503 | 190 | 39.00 |
| 0322510 | 190 | 4.40 |
| 0323308 | 189 | 16.20 |
| 0323318 | 189 | 20.70 |
| 0331011 | 195 | 109.00 |
| 0331030 | 195 | 128.00 |
| 0331111 | 195 | 142.00 |
| 0331130 | 195 | 162.00 |
| 0334101 | 195 | 72.00 |
| 0334102 | 195 | 119.00 |
| 0334105 | 195 | 87.00 |
| 0334106 | 195 | 132.00 |
| 0338354 | 195 | 140.00 |
| 0338357 | 195 | 182.00 |
| 0343501 | 188 | 255.00 |
| 0343503 | 188 | 287.00 |
| 0344501 | 188 | 125.00 |
| 0344502 | 188 | 159.00 |
| 0344503 | 188 | 202.00 |
| 0344505 | 188 | 428.00 |
| 0345522 | 192 | 373.00 |
| 0345530 | 192 | 467.00 |
| 0345534 | 192 | 643.00 |
| 0345722 | 193 | 539.00 |
| 0345730 | 193 | 674.00 |
| 0345734 | 193 | 934.00 |
| 0345910 | 192 / 193 | 119.00 |
| 0345912 | 192 / 193 | 132.00 |
| 0347522 | 192 | 477.00 |
| 0347530 | 192 | 602.00 |
| 0347534 | 192 | 830.00 |
| 0347722 | 193 | 664.00 |
| 0347730 | 193 | 830.00 |
| 0347734 | 193 | 1,142.00 |
| 0349722 | 194 | 570.00 |
| 0349730 | 194 | 726.00 |
| 0349734 | 194 | 986.00 |
| 0349910 | 194 | 109.00 |
| 0349912 | 194 | 128.00 |
| 0349914 | 194 | 142.00 |
| 0349916 | 194 | 162.00 |
| 0368102 | 198 | 15.40 |
| 0368103 | 198 | 17.90 |
| 0368104 | 198 | 27.10 |
| 0368105 | 198 | 34.70 |
| 0368106 | 198 | 50.00 |
| 0368107 | 198 | 68.00 |
| 0368108 | 198 | 148.00 |
| 0368109 | 198 | 216.00 |
| 0368110 | 198 | 309.00 |
| 0368111 | 198 | 528.00 |
| 0368112 | 198 | 947.00 |
| 0368202 | 198 | 23.00 |
| 0368203 | 198 | 24.80 |
| 0368204 | 198 | 42.60 |
| 0368205 | 198 | 61.00 |
| 0368206 | 198 | 89.00 |
| 0368207 | 198 | 100.00 |
| 0368208 | 198 | 187.00 |
| 0368209 | 198 | 259.00 |
| 0368210 | 198 | 385.00 |
| 0368211 | 198 | 661.00 |
| 0368212 | 198 | 1,403.00 |
| 0369102 | 198 | 10.10 |
| 0369103 | 198 | 11.30 |
| 0369104 | 198 | 13.90 |
| 0369105 | 198 | 23.00 |
| 0369106 | 198 | 31.80 |
| 0369107 | 198 | 40.80 |
| 0369108 | 198 | 100.00 |
| 0369109 | 198 | 123.00 |
| 0369110 | 198 | 243.00 |
| 0369111 | 198 | 451.00 |
| 0369112 | 198 | 804.00 |
| 0369202 | 198 | 16.70 |
| 0369203 | 198 | 18.30 |
| 0369204 | 198 | 24.30 |
| 0369205 | 198 | 36.80 |
| 0369206 | 198 | 48.90 |
| 0369207 | 198 | 68.00 |
| 0369208 | 198 | 130.00 |
| 0369209 | 198 | 180.00 |
| 0369210 | 198 | 302.00 |
| 0369211 | 198 | 564.00 |
| 0369212 | 198 | 1,059.00 |
| 0370102 | 200 | 9.80 |
| 0370103 | 200 | 10.90 |
| 0370104 | 200 | 11.10 |
| 0370105 | 200 | 18.10 |
| 0370106 | 200 | 24.10 |
| 0370107 | 200 | 29.40 |
| 0370108 | 200 | 80.00 |
| 0370109 | 200 | 117.00 |
| 0370110 | 200 | 164.00 |
| 0370111 | 200 | 367.00 |
| 0370112 | 200 | 621.00 |
| 0370202 | 200 | 13.50 |
| 0370203 | 200 | 16.40 |
| 0370204 | 200 | 22.40 |
| 0370205 | 200 | 29.80 |
| 0370206 | 200 | 44.80 |
| 0370207 | 200 | 54.00 |
| 0370208 | 200 | 161.00 |
| 0370209 | 200 | 198.00 |
| 0370210 | 200 | 336.00 |
| 0370211 | 200 | 520.00 |
| 0370212 | 200 | 841.00 |
| 0371102 | 200 | 7.40 |
| 0371103 | 200 | 7.80 |
| 0371104 | 200 | 9.40 |
| 0371105 | 200 | 12.80 |
| 0371106 | 200 | 19.40 |
| 0371107 | 200 | 23.00 |
| 0371108 | 200 | 58.00 |
| 0371109 | 200 | 82.00 |
| 0371110 | 200 | 113.00 |
| 0371111 | 200 | 250.00 |
| 0371112 | 200 | 429.00 |
| 0371202 | 200 | 9.00 |
| 0371203 | 200 | 10.90 |
| 0371204 | 200 | 15.40 |
| 0371205 | 200 | 21.30 |
| 0371206 | 200 | 31.00 |
| 0371207 | 200 | 37.80 |
| 0371208 | 200 | 125.00 |
| 0371209 | 200 | 156.00 |
| 0371210 | 200 | 258.00 |
| 0371211 | 200 | 473.00 |
| 0371212 | 200 | 763.00 |
| 0372102 | 201 | 7.60 |
| 0372103 | 201 | 8.50 |
| 0372104 | 201 | 11.10 |
| 0372105 | 201 | 14.20 |
| 0372106 | 201 | 19.30 |
| 0372107 | 201 | 24.30 |
| 0372108 | 201 | 40.80 |
| 0372109 | 201 | 54.00 |
| 0372110 | 201 | 73.00 |
| 0372111 | 201 | 92.00 |
| 0372112 | 201 | 127.00 |
| 0372113 | 201 | 455.00 |
| 0372114 | 201 | 732.00 |
| 0373102 | 201 | 5.40 |
| 0373103 | 201 | 6.20 |
| 0373104 | 201 | 8.50 |
| 0373105 | 201 | 10.30 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0373106 | 201 | 14.20 |
| 0373107 | 201 | 18.20 |
| 0373108 | 201 | 27.40 |
| 0373109 | 201 | 40.10 |
| 0373110 | 201 | 54.00 |
| 0373111 | 201 | 72.00 |
| 0373112 | 201 | 105.00 |
| 0373113 | 201 | 349.00 |
| 0373114 | 201 | 644.00 |
| 0374404 | 202 | 6.30 |
| 0374408 | 202 | 7.10 |
| 0374410 | 202 | 8.60 |
| 0374412 | 202 | 10.50 |
| 0374414 | 202 | 12.70 |
| 0374416 | 202 | 16.00 |
| 0374418 | 202 | 21.40 |
| 0374420 | 202 | 28.80 |
| 0374424 | 202 | 34.20 |
| 0374428 | 202 | 52.00 |
| 0374430 | 202 | 181.00 |
| 0374432 | 202 | 267.00 |
| 0375404 | 202 | 5.10 |
| 0375408 | 202 | 5.30 |
| 0375410 | 202 | 5.70 |
| 0375412 | 202 | 6.90 |
| 0375414 | 202 | 7.60 |
| 0375416 | 202 | 10.40 |
| 0375418 | 202 | 11.50 |
| 0375420 | 202 | 14.10 |
| 0375424 | 202 | 16.80 |
| 0375428 | 202 | 21.70 |
| 0375430 | 202 | 85.00 |
| 0375432 | 202 | 128.00 |
| 0376102 | 203 | 11.80 |
| 0376103 | 203 | 12.60 |
| 0376104 | 203 | 15.80 |
| 0376105 | 203 | 26.00 |
| 0376112 | 203 | 11.00 |
| 0376113 | 203 | 11.70 |
| 0376114 | 203 | 14.20 |
| 0376115 | 203 | 19.90 |
| 0376116 | 203 | 24.60 |
| 0376117 | 203 | 29.30 |
| 0380103 | 207 | 55.00 |
| 0380104 | 207 | 65.00 |
| 0380105 | 207 | 82.00 |
| 0380106 | 207 | 90.00 |
| 0380107 | 207 | 98.00 |
| 0380108 | 207 | 251.00 |
| 0380109 | 207 | 447.00 |
| 0385102 | 199 | 24.30 |
| 0385103 | 199 | 25.90 |
| 0385104 | 199 | 31.00 |
| 0385105 | 199 | 46.30 |
| 0385106 | 199 | 64.00 |
| 0385108 | 199 | 112.00 |
| 0385202 | 199 | 33.70 |
| 0385203 | 199 | 37.40 |
| 0385204 | 199 | 46.30 |
| 0385205 | 199 | 61.00 |
| 0385206 | 199 | 79.00 |
| 0385208 | 199 | 116.00 |
| 0386102 | 199 | 18.30 |
| 0386103 | 199 | 19.70 |
| 0386104 | 199 | 24.10 |
| 0386105 | 199 | 29.80 |
| 0386106 | 199 | 38.50 |
| 0386108 | 199 | 74.00 |
| 0386202 | 199 | 23.20 |
| 0386203 | 199 | 26.30 |
| 0386204 | 199 | 31.00 |
| 0386205 | 199 | 40.20 |
| 0386206 | 199 | 52.00 |
| 0386208 | 199 | 103.00 |
| 0387200 | 206 | 17.20 |
| 0387201 | 206 | 17.20 |
| 0387204 | 206 | 40.20 |
| 0388102 | 205 | 19.40 |
| 0388103 | 205 | 23.00 |
| 0388104 | 205 | 27.50 |
| 0388105 | 205 | 37.00 |
| 0388106 | 205 | 52.00 |
| 0388108 | 205 | 90.00 |
| 0388202 | 205 | 23.00 |
| 0388203 | 205 | 27.10 |
| 0388204 | 205 | 32.60 |
| 0388205 | 205 | 42.10 |
| 0388206 | 205 | 62.00 |
| 0388208 | 205 | 136.00 |
| 0388210 | 205 | 649.00 |
| 0390102 | 204 | 34.70 |
| 0390103 | 204 | 34.70 |
| 0390104 | 204 | 40.20 |
| 0390105 | 204 | 51.00 |
| 0390106 | 204 | 69.00 |
| 0390108 | 204 | 116.00 |
| 0390202 | 204 | 46.00 |
| 0390203 | 204 | 52.00 |
| 0390204 | 204 | 66.00 |
| 0390205 | 204 | 85.00 |
| 0390206 | 204 | 107.00 |
| 0390208 | 204 | 164.00 |
| 0391102 | 204 | 54.00 |
| 0391103 | 204 | 54.00 |
| 0391104 | 204 | 70.00 |
| 0391105 | 204 | 88.00 |
| 0391106 | 204 | 119.00 |
| 0391108 | 204 | 174.00 |
| 0391202 | 204 | 64.00 |
| 0391203 | 204 | 72.00 |
| 0391204 | 204 | 82.00 |
| 0391205 | 204 | 105.00 |
| 0391206 | 204 | 134.00 |
| 0391208 | 204 | 218.00 |
| 0394101 | 205 | 203.00 |
| 0394104 | 205 | 36.80 |
| 0394110 | 205 | 82.00 |
| 0395102 | 209 | 26.90 |
| 0395103 | 209 | 29.80 |
| 0395104 | 209 | 40.20 |
| 0395106 | 209 | 18.90 |
| 0395107 | 209 | 20.70 |
| 0395108 | 209 | 29.80 |
| 0395122 | 209 | 25.40 |
| 0395123 | 209 | 29.10 |
| 0395124 | 209 | 39.00 |
| 0395126 | 209 | 18.20 |
| 0395127 | 209 | 20.30 |
| 0395128 | 209 | 28.60 |
| 0395132 | 208 | 8.30 |
| 0395133 | 208 | 10.60 |
| 0395134 | 208 | 12.80 |
| 0395136 | 208 | 8.30 |
| 0395137 | 208 | 10.60 |
| 0395138 | 208 | 12.80 |
| 0395142 | 208 | 18.30 |
| 0395143 | 208 | 20.70 |
| 0395144 | 208 | 27.10 |
| 0395146 | 208 | 13.50 |
| 0395147 | 208 | 18.30 |
| 0395148 | 208 | 24.80 |
| 0396290 | 210 | 92.00 |
| 0396414 | 207 | 14.80 |
| 0396416 | 207 | 17.60 |
| 0396418 | 207 | 20.80 |
| 0396420 | 207 | 26.00 |
| 0396426 | 207 | 31.20 |
| 0396432 | 211 | 9.40 |
| 0396433 | 211 | 11.60 |
| 0396434 | 211 | 14.20 |
| 0396435 | 211 | 18.20 |
| 0396436 | 211 | 20.30 |
| 0396443 | 210 | 10.10 |
| 0396444 | 210 | 11.90 |
| 0396445 | 210 | 12.90 |
| 0396446 | 210 | 16.60 |
| 0396453 | 210 | 12.70 |
| 0396454 | 210 | 14.30 |
| 0396455 | 210 | 15.90 |
| 0396456 | 210 | 19.50 |
| 0396982 | 211 | 11.40 |
| 0396983 | 211 | 13.50 |
| 0396984 | 211 | 16.10 |
| 0397101 | 206 | 177.00 |
| 0410301 | 213 | 23.90 |
| 0410302 | 213 | 30.10 |
| 0410303 | 213 | 34.30 |
| 0410304 | 213 | 51.00 |
| 0411101 | 213 | 21.70 |
| 0411102 | 213 | 27.10 |
| 0411103 | 213 | 34.00 |
| 0411104 | 213 | 45.00 |
| 0411105 | 213 | 68.00 |
| 0411106 | 213 | 79.00 |
| 0411107 | 213 | 104.00 |
| 0411108 | 213 | 134.00 |
| 0411109 | 213 | 142.00 |
| 0411110 | 213 | 148.00 |
| 0411301 | 213 | 24.10 |
| 0411302 | 213 | 31.00 |
| 0411303 | 213 | 34.50 |
| 0411304 | 213 | 49.50 |
| 0411305 | 213 | 99.00 |
| 0411306 | 213 | 125.00 |
| 0411307 | 213 | 135.00 |
| 0411308 | 213 | 141.00 |
| 0411309 | 213 | 149.00 |
| 0411310 | 213 | 183.00 |
| 0412201 | 214 | 34.00 |
| 0412202 | 214 | 36.80 |
| 0412203 | 214 | 37.80 |
| 0412204 | 214 | 53.00 |
| 0413301 | 214 | 22.90 |
| 0413302 | 214 | 23.90 |
| 0415301 | 215 | 62.00 |
| 0415302 | 215 | 97.00 |
| 0415303 | 215 | 131.00 |
| 0415304 | 215 | 180.00 |
| 0415305 | 215 | 204.00 |
| 0416301 | 215 | 125.00 |
| 0416302 | 215 | 163.00 |
| 0416303 | 215 | 211.00 |
| 0416304 | 215 | 349.00 |
| 0416305 | 215 | 405.00 |
| 0420121 | 217 | 15.60 |
| 0420122 | 217 | 60.00 |
| 0420124 | 217 | 85.00 |
| 0420201 | 217 | 54.00 |
| 0420202 | 217 | 58.00 |
| 0420203 | 217 | 62.00 |
| 0420206 | 217 | 17.70 |
| 0420207 | 217 | 18.50 |
| 0420208 | 217 | 18.70 |
| 0422501 | 216 | 145.00 |
| 0422502 | 216 | 153.00 |
| 0422503 | 216 | 161.00 |
| 0422504 | 216 | 169.00 |
| 0425211 | 216 | 27.50 |
| 0425212 | 216 | 31.00 |
| 0425213 | 216 | 34.70 |
| 0425214 | 216 | 48.90 |
| 0425701 | 216 | 1,130.00 |
| 0425702 | 216 | 1,140.00 |
| 0425703 | 216 | 1,150.00 |
| 0451101 | 222 | 24.80 |
| 0451102 | 222 | 57.00 |
| 0451103 | 222 | 102.00 |
| 0451104 | 222 | 141.00 |
| 0451105 | 222 | 292.00 |
| 0451106 | 222 | 530.00 |
| 0451201 | 222 | 43.90 |
| 0451202 | 222 | 101.00 |
| 0451203 | 222 | 150.00 |
| 0451204 | 222 | 263.00 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0451205 | 222 | 530.00 |
| 0451206 | 222 | 958.00 |
| 0452101 | 222 | 19.50 |
| 0452103 | 222 | 38.50 |
| 0452104 | 222 | 56.00 |
| 0452105 | 222 | 91.00 |
| 0452106 | 222 | 144.00 |
| 0452107 | 222 | 159.00 |
| 0452108 | 222 | 304.00 |
| 0452109 | 222 | 547.00 |
| 0452201 | 222 | 26.00 |
| 0452203 | 222 | 57.00 |
| 0452204 | 222 | 97.00 |
| 0452205 | 222 | 154.00 |
| 0452206 | 222 | 294.00 |
| 0452207 | 222 | 305.00 |
| 0452208 | 222 | 549.00 |
| 0452209 | 222 | 1.046.00 |
| 0453422 | 221 | 8.50 |
| 0453430 | 221 | 12.70 |
| 0453434 | 221 | 18.70 |
| 0454424 | 224 | 9.00 |
| 0454428 | 224 | 11.20 |
| 0454434 | 224 | 22.30 |
| 0454438 | 224 | 40.50 |
| 0454440 | 224 | 61.00 |
| 0454444 | 224 | 162.00 |
| 0455424 | 224 | 16.60 |
| 0455428 | 224 | 20.70 |
| 0455434 | 224 | 39.30 |
| 0455438 | 224 | 70.00 |
| 0455440 | 224 | 103.00 |
| 0455444 | 224 | 217.00 |
| 0458102 | 223 | 36.80 |
| 0458103 | 223 | 43.90 |
| 0458104 | 223 | 57.00 |
| 0458105 | 223 | 68.00 |
| 0458106 | 223 | 82.00 |
| 0458107 | 223 | 94.00 |
| 0458108 | 223 | 232.00 |
| 0458109 | 223 | 249.00 |
| 0458110 | 223 | 320.00 |
| 0458111 | 223 | 490.00 |
| 0458112 | 223 | 500.00 |
| 0458113 | 223 | 510.00 |
| 0458114 | 223 | 520.00 |
| 0458115 | 223 | 530.00 |
| 0458116 | 223 | 540.00 |
| 0458117 | 223 | 675.00 |
| 0458202 | 223 | 65.00 |
| 0458203 | 223 | 83.00 |
| 0458204 | 223 | 101.00 |
| 0458205 | 223 | 133.00 |
| 0458206 | 223 | 161.00 |
| 0458207 | 223 | 188.00 |
| 0458252 | 223 | 295.00 |
| 0458253 | 223 | 310.00 |
| 0458254 | 223 | 330.00 |
| 0458255 | 223 | 380.00 |
| 0458256 | 223 | 415.00 |
| 0458257 | 223 | 490.00 |
| 0458258 | 223 | 570.00 |
| 0458291 | 223 | 414.00 |
| 0460201 | 220 | 1.00 |
| 0460202 | 220 | 1.00 |
| 0460204 | 220 | 1.50 |
| 0460205 | 220 | 4.10 |
| 0460206 | 220 | 8.80 |
| 0460207 | 220 | 3.10 |
| 0460208 | 220 | 7.40 |
| 0460209 | 220 | 15.40 |
| 0460210 | 220 | 24.80 |
| 0460211 | 220 | 29.80 |
| 0460212 | 220 | 69.00 |
| 0460213 | 220 | 107.00 |
| 0460221 | 220 | 1.00 |
| 0460222 | 220 | 1.00 |
| 0460223 | 220 | 1.50 |
| 0460224 | 220 | 1.50 |
| 0460225 | 220 | 4.10 |
| 0460226 | 220 | 8.80 |
| 0460227 | 220 | 3.10 |
| 0460228 | 220 | 7.40 |
| 0460229 | 220 | 15.40 |
| 0460230 | 220 | 24.80 |
| 0460231 | 220 | 29.80 |
| 0460232 | 220 | 69.00 |
| 0460233 | 220 | 107.00 |
| 0460241 | 220 | 1.00 |
| 0460242 | 220 | 1.00 |
| 0460243 | 220 | 1.50 |
| 0460244 | 220 | 1.50 |
| 0460245 | 220 | 4.10 |
| 0460246 | 220 | 8.80 |
| 0460247 | 220 | 3.10 |
| 0460248 | 220 | 7.40 |
| 0460249 | 220 | 15.40 |
| 0460250 | 220 | 24.80 |
| 0460251 | 220 | 29.80 |
| 0460252 | 220 | 69.00 |
| 0460253 | 220 | 107.00 |
| 0460501 | 221 | 2.60 |
| 0460502 | 221 | 4.10 |
| 0460504 | 221 | 4.70 |
| 0460505 | 221 | 10.30 |
| 0460506 | 221 | 20.90 |
| 0460507 | 221 | 5.40 |
| 0460508 | 221 | 11.30 |
| 0460509 | 221 | 23.60 |
| 0460510 | 221 | 69.00 |
| 0460511 | 221 | 108.00 |
| 0460512 | 221 | 227.00 |
| 0460521 | 221 | 2.60 |
| 0460522 | 221 | 4.10 |
| 0460524 | 221 | 4.70 |
| 0460525 | 221 | 10.30 |
| 0460526 | 221 | 20.90 |
| 0460527 | 221 | 5.40 |
| 0460528 | 221 | 11.30 |
| 0460529 | 221 | 23.60 |
| 0464101 | 225 | 63.00 |
| 0464102 | 225 | 90.00 |
| 0464103 | 225 | 141.00 |
| 0464104 | 225 | 238.00 |
| 0464105 | 225 | 427.00 |
| 0464106 | 225 | 726.00 |
| 0464107 | 225 | 1.114.00 |
| 0464108 | 225 | 1.915.00 |
| 0464109 | 225 | 2.380.00 |
| 0464201 | 226 | 100.00 |
| 0464202 | 226 | 136.00 |
| 0464203 | 226 | 257.00 |
| 0464204 | 226 | 427.00 |
| 0464205 | 226 | 790.00 |
| 0464206 | 226 | 1.375.00 |
| 0464207 | 226 | 2.432.00 |
| 0464208 | 226 | 4.338.00 |
| 0464209 | 226 | 5.485.00 |
| 0465101 | 225 | 31.00 |
| 0465102 | 225 | 51.00 |
| 0465103 | 225 | 69.00 |
| 0465104 | 225 | 127.00 |
| 0465105 | 225 | 257.00 |
| 0465106 | 225 | 482.00 |
| 0465107 | 225 | 827.00 |
| 0465108 | 225 | 1.337.00 |
| 0465109 | 225 | 2.317.00 |
| 0465201 | 226 | 57.00 |
| 0465202 | 226 | 87.00 |
| 0465203 | 226 | 157.00 |
| 0465204 | 226 | 246.00 |
| 0465205 | 226 | 580.00 |
| 0465206 | 226 | 883.00 |
| 0465207 | 226 | 1.701.00 |
| 0465208 | 226 | 2.505.00 |
| 0465209 | 226 | 4.593.00 |
| 0466101 | 225 | 21.30 |
| 0466102 | 225 | 37.40 |
| 0466103 | 225 | 42.60 |
| 0466104 | 225 | 82.00 |
| 0466105 | 225 | 111.00 |
| 0466106 | 225 | 246.00 |
| 0466107 | 225 | 384.00 |
| 0466108 | 225 | 913.00 |
| 0466109 | 225 | 1.375.00 |
| 0466201 | 226 | 36.80 |
| 0466202 | 226 | 64.00 |
| 0466203 | 226 | 94.00 |
| 0466204 | 226 | 196.00 |
| 0466205 | 226 | 330.00 |
| 0466206 | 226 | 549.00 |
| 0466207 | 226 | 784.00 |
| 0466208 | 226 | 1.460.00 |
| 0466209 | 226 | 2.188.00 |
| 0467011 | 228 | 621.00 |
| 0467012 | 228 | 888.00 |
| 0467013 | 228 | 1.156.00 |
| 0467014 | 228 | 1.489.00 |
| 0467015 | 228 | 2.492.00 |
| 0467016 | 228 | 3.464.00 |
| 0467017 | 228 | 6.013.00 |
| 0467111 | 228 | 457.00 |
| 0467112 | 228 | 616.00 |
| 0467113 | 228 | 822.00 |
| 0467114 | 228 | 1.125.00 |
| 0467115 | 228 | 1.515.00 |
| 0467116 | 228 | 1.994.00 |
| 0467117 | 228 | 3.160.00 |
| 0478012 | 229 | 165.00 |
| 0478015 | 229 | 289.00 |
| 0478016 | 229 | 364.00 |
| 0478017 | 229 | 471.00 |
| 0478018 | 229 | 578.00 |
| 0478019 | 229 | 716.00 |
| 0478021 | 229 | 898.00 |
| 0478024 | 229 | 1.283.00 |
| 0478027 | 229 | 2.010.00 |
| 0478112 | 229 | 130.00 |
| 0478115 | 229 | 214.00 |
| 0478116 | 229 | 289.00 |
| 0478117 | 229 | 364.00 |
| 0478118 | 229 | 406.00 |
| 0478119 | 229 | 524.00 |
| 0478121 | 229 | 578.00 |
| 0478124 | 229 | 962.00 |
| 0478127 | 229 | 1.710.00 |
| 0478312 | 228 | 97.00 |
| 0478315 | 228 | 155.00 |
| 0478316 | 228 | 187.00 |
| 0478317 | 228 | 224.00 |
| 0478318 | 228 | 289.00 |
| 0478319 | 228 | 428.00 |
| 0478321 | 228 | 471.00 |
| 0478324 | 228 | 673.00 |
| 0478327 | 228 | 1.069.00 |
| 0478907 | 230 | 275.00 |
| 0478908 | 230 | 275.00 |
| 0478909 | 230 | 295.00 |
| 0478911 | 230 | 310.00 |
| 0478914 | 230 | 350.00 |
| 0478917 | 230 | 420.00 |
| 0481023 | 230 | 302.00 |
| 0481024 | 230 | 437.00 |
| 0481025 | 230 | 657.00 |
| 0481028 | 230 | 1.091.00 |
| 0481030 | 230 | 1.246.00 |
| 0481034 | 230 | 2.056.00 |
| 0481043 | 230 | 257.00 |
| 0481044 | 230 | 375.00 |
| 0481045 | 230 | 557.00 |
| 0481048 | 230 | 935.00 |
| 0481050 | 230 | 1.185.00 |
| 0481054 | 230 | 1.869.00 |
| 0481103 | 230 | 220.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0481104 | 230 | 319.00 |
| 0481105 | 230 | 486.00 |
| 0481108 | 230 | 810.00 |
| 0481110 | 230 | 1,078.00 |
| 0481114 | 230 | 1,715.00 |
| 0481160 | 231 | 339.00 |
| 0481161 | 231 | 351.00 |
| 0481162 | 231 | 370.00 |
| 0481165 | 231 | 395.00 |
| 0481167 | 231 | 414.00 |
| 0481170 | 231 | 470.00 |
| 0481184 | 231 | 1,098.00 |
| 0481186 | 231 | 1,209.00 |
| 0481188 | 231 | 1,255.00 |
| 0481190 | 231 | 1,403.00 |
| 0482101 | 229 | 468.00 |
| 0504012 | 232 | 89.00 |
| 0504013 | 232 | 139.00 |
| 0504014 | 232 | 214.00 |
| 0504112 | 232 | 63.00 |
| 0504113 | 232 | 84.00 |
| 0504114 | 232 | 139.00 |
| 0504312 | 232 | 43.70 |
| 0504313 | 232 | 64.00 |
| 0504314 | 232 | 106.00 |
| 0508011 | 233 | 295.00 |
| 0508012 | 233 | 355.00 |
| 0508013 | 233 | 520.00 |
| 0508111 | 233 | 255.00 |
| 0508112 | 233 | 315.00 |
| 0508113 | 233 | 480.00 |
| 0512101 | 227 | 10.10 |
| 0512102 | 227 | 11.30 |
| 0512103 | 227 | 12.80 |
| 0512104 | 227 | 14.50 |
| 0512105 | 227 | 18.90 |
| 0512106 | 227 | 35.60 |
| 0512107 | 227 | 63.00 |
| 0512108 | 227 | 100.00 |
| 0512201 | 227 | 13.10 |
| 0512202 | 227 | 15.40 |
| 0512203 | 227 | 16.00 |
| 0512204 | 227 | 17.90 |
| 0512205 | 227 | 20.70 |
| 0512206 | 227 | 45.00 |
| 0512207 | 227 | 82.00 |
| 0512208 | 227 | 111.00 |
| 0512209 | 227 | 215.00 |
| 0512210 | 227 | 436.00 |
| 0512211 | 227 | 571.00 |
| 0512601 | 227 | 5.20 |
| 0512602 | 227 | 5.20 |
| 0512603 | 227 | 5.20 |
| 0512604 | 227 | 6.20 |
| 0512605 | 227 | 7.30 |
| 0512606 | 227 | 8.30 |
| 0512607 | 227 | 10.40 |
| 0512608 | 227 | 15.60 |
| 0512609 | 227 | 15.60 |
| 0512610 | 227 | 31.20 |
| 0512611 | 227 | 36.40 |
| 0513001 | 232 | 165.00 |
| 0513002 | 232 | 190.00 |
| 0513011 | 232 | 180.00 |
| 0513012 | 232 | 210.00 |
| 0520101 | 233 | 128.00 |
| 0520102 | 233 | 168.00 |
| 0520103 | 233 | 223.00 |
| 0520104 | 233 | 311.00 |
| 0520105 | 233 | 425.00 |
| 0522101 | 234 | 196.00 |
| 0522102 | 234 | 239.00 |
| 0522103 | 234 | 345.00 |
| 0522111 | 234 | 19.70 |
| 0522112 | 234 | 26.00 |
| 0522113 | 234 | 33.20 |
| 0524101 | 234 | 179.00 |
| 0524102 | 234 | 267.00 |
| 0524103 | 234 | 401.00 |
| 0525101 | 235 | 115.00 |
| 0525102 | 235 | 123.00 |
| 0525103 | 235 | 131.00 |
| 0527101 | 235 | 326.00 |
| 0527102 | 235 | 452.00 |
| 0527104 | 235 | 641.00 |
| 0527105 | 235 | 896.00 |
| 0527107 | 235 | 387.00 |
| 0527108 | 235 | 539.00 |
| 0527110 | 235 | 823.00 |
| 0527111 | 235 | 1,066.00 |
| 0536201 | 236 | 375.00 |
| 0536202 | 236 | 420.00 |
| 0536211 | 236 | 524.00 |
| 0536212 | 236 | 619.00 |
| 0536213 | 236 | 624.00 |
| 0536220 | 236 | 99.00 |
| 0536230 | 236 | 135.00 |
| 0544101 | 231 | 332.00 |
| 0544102 | 231 | 512.00 |
| 0544103 | 231 | 709.00 |
| 0544104 | 231 | 896.00 |
| 0544105 | 231 | 1,524.00 |
| 0544106 | 231 | 2,296.00 |
| 0544107 | 231 | 4,381.00 |
| 0550021 | 237 | 255.00 |
| 0550022 | 237 | 280.00 |
| 0550023 | 237 | 305.00 |
| 0550024 | 237 | 330.00 |
| 0550101 | 237 | 180.00 |
| 0550102 | 237 | 205.00 |
| 0550103 | 237 | 230.00 |
| 0550104 | 237 | 255.00 |
| 0550131 | 237 | 140.00 |
| 0550132 | 237 | 165.00 |
| 0550133 | 237 | 190.00 |
| 0550134 | 237 | 215.00 |
| 0551002 | 237 | 270.00 |
| 0551003 | 237 | 322.00 |
| 0551012 | 237 | 171.00 |
| 0551013 | 237 | 192.00 |
| 0551021 | 237 | 161.00 |
| 0556022 | 238 | 490.00 |
| 0556023 | 238 | 560.00 |
| 0556024 | 238 | 790.00 |
| 0556101 | 238 | 300.00 |
| 0556102 | 238 | 350.00 |
| 0556103 | 238 | 440.00 |
| 0556104 | 238 | 700.00 |
| 0556131 | 238 | 250.00 |
| 0556132 | 238 | 300.00 |
| 0556133 | 238 | 460.00 |
| 0556134 | 238 | 550.00 |
| 0560001 | 238 | 294.00 |
| 0563001 | 238 | 400.00 |
| 0580101 | 239 | 7.10 |
| 0580111 | 239 | 10.30 |
| 0580121 | 239 | 7.20 |
| 0580151 | 239 | 3.00 |
| 0581101 | 241 | 20.70 |
| 0581103 | 241 | 14.00 |
| 0581105 | 241 | 19.20 |
| 0581123 | 241 | 10.10 |
| 0581125 | 241 | 8.80 |
| 0582110 | 241 | 59.00 |
| 0582120 | 241 | 59.00 |
| 0582130 | 241 | 59.00 |
| 0584101 | 252 | 304.00 |
| 0589101 | 242 | 16.20 |
| 0589103 | 242 | 49.50 |
| 0590101 | 242 | 1.70 |
| 0590111 | 242 | 62.00 |
| 0590151 | 243 | 3.30 |
| 0595101 | 244 | 20.30 |
| 0595110 | 243 | 12.70 |
| 0595115 | 243 | 3.60 |
| 0595130 | 240 | 3.00 |
| 0595140 | 240 | 2.60 |
| 0595142 | 240 | 2.60 |
| 0595251 | 243 | 87.00 |
| 0597301 | 63 / 244 | 168.00 |
| 0597305 | 63 / 244 | 168.00 |
| 0598101 | 245 | 46.80 |
| 0598103 | 245 | 46.80 |
| 0598105 | 245 | 46.80 |
| 0598601 | 245 | 46.80 |
| 0599101 | 245 | 46.80 |
| 0599102 | 245 | 57.00 |
| 0599151 | 245 | 6.80 |
| 0599152 | 245 | 6.80 |
| 0600101 | 246 | 24.80 |
| 0600102 | 246 | 31.00 |
| 0600103 | 246 | 33.20 |
| 0600111 | 246 | 53.00 |
| 0600112 | 246 | 70.00 |
| 0600113 | 246 | 146.00 |
| 0600114 | 246 | 227.00 |
| 0600115 | 246 | 365.00 |
| 0601103 | 246 | 87.00 |
| 0601120 | 246 | 66.00 |
| 0604002 | 246 | 6.50 |
| 0604004 | 246 | 7.20 |
| 0604006 | 246 | 7.20 |
| 0604013 | 247 | 51.00 |
| 0604014 | 247 | 51.00 |
| 0604015 | 247 | 51.00 |
| 0604016 | 247 | 51.00 |
| 0604017 | 247 | 51.00 |
| 0604018 | 247 | 51.00 |
| 0604019 | 247 | 51.00 |
| 0604020 | 247 | 51.00 |
| 0604021 | 247 | 51.00 |
| 0604022 | 247 | 51.00 |
| 0604023 | 247 | 51.00 |
| 0604024 | 247 | 51.00 |
| 0604025 | 247 | 33.00 |
| 0604026 | 247 | 33.00 |
| 0604027 | 247 | 33.00 |
| 0604028 | 247 | 33.00 |
| 0604029 | 247 | 33.00 |
| 0604030 | 247 | 33.00 |
| 0604031 | 247 | 33.00 |
| 0604032 | 247 | 33.00 |
| 0604033 | 247 | 33.00 |
| 0604034 | 247 | 33.00 |
| 0604035 | 247 | 33.00 |
| 0604036 | 247 | 33.00 |
| 0604037 | 247 | 34.70 |
| 0604038 | 247 | 34.70 |
| 0604039 | 247 | 34.70 |
| 0604040 | 247 | 34.70 |
| 0604041 | 247 | 34.70 |
| 0604042 | 247 | 34.70 |
| 0604043 | 247 | 34.70 |
| 0604044 | 247 | 34.70 |
| 0604045 | 247 | 34.70 |
| 0604046 | 247 | 34.70 |
| 0604047 | 247 | 36.60 |
| 0604048 | 247 | 36.60 |
| 0604049 | 247 | 36.60 |
| 0604050 | 247 | 36.60 |
| 0604051 | 247 | 36.60 |
| 0604052 | 247 | 36.60 |
| 0604053 | 247 | 36.60 |
| 0604054 | 247 | 36.60 |
| 0604055 | 247 | 36.60 |
| 0604056 | 247 | 36.60 |
| 0604057 | 247 | 38.10 |
| 0604058 | 247 | 38.10 |
| 0604059 | 247 | 38.10 |
| 0604060 | 247 | 38.10 |
| 0604061 | 247 | 38.10 |
| 0604062 | 247 | 38.10 |
| 0604063 | 247 | 38.10 |
| 0604064 | 247 | 38.10 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0604065 | 247 | 38.10 |
| 0604066 | 247 | 38.10 |
| 0604067 | 247 | 41.60 |
| 0604068 | 247 | 41.60 |
| 0604069 | 247 | 41.60 |
| 0604070 | 247 | 41.60 |
| 0604071 | 247 | 41.60 |
| 0604072 | 247 | 41.60 |
| 0604073 | 247 | 41.60 |
| 0604074 | 247 | 41.60 |
| 0604075 | 247 | 41.60 |
| 0604076 | 247 | 41.60 |
| 0604077 | 247 | 50.00 |
| 0604078 | 247 | 50.00 |
| 0604079 | 247 | 50.00 |
| 0604080 | 247 | 50.00 |
| 0604081 | 247 | 50.00 |
| 0604082 | 247 | 50.00 |
| 0604083 | 247 | 50.00 |
| 0604084 | 247 | 50.00 |
| 0604085 | 247 | 50.00 |
| 0604086 | 247 | 50.00 |
| 0604087 | 247 | 54.00 |
| 0604088 | 247 | 57.00 |
| 0604089 | 247 | 60.00 |
| 0604090 | 247 | 69.00 |
| 0604091 | 247 | 69.00 |
| 0604092 | 247 | 69.00 |
| 0604093 | 247 | 69.00 |
| 0604094 | 247 | 69.00 |
| 0604095 | 247 | 69.00 |
| 0604096 | 247 | 69.00 |
| 0604202 | 246 | 8.60 |
| 0604204 | 246 | 10.70 |
| 0604206 | 246 | 10.70 |
| 0605101 | 248 | 2.40 |
| 0605102 | 248 | 2.20 |
| 0605103 | 248 | 2.20 |
| 0605104 | 248 | 2.20 |
| 0605105 | 248 | 3.30 |
| 0605106 | 248 | 3.50 |
| 0605107 | 248 | 4.90 |
| 0605108 | 248 | 2.90 |
| 0605109 | 248 | 3.10 |
| 0605110 | 248 | 2.90 |
| 0605111 | 248 | 2.90 |
| 0605112 | 248 | 3.30 |
| 0606121 | 248 | 1.50 |
| 0606123 | 248 | 1.50 |
| 0606127 | 248 | 1.50 |
| 0606130 | 248 | 2.40 |
| 0606131 | 248 | 5.90 |
| 0606132 | 248 | 2.90 |
| 0606133 | 248 | 5.40 |
| 0606136 | 248 | 4.90 |
| 0606150 | 249 | 3.30 |
| 0606152 | 249 | 3.90 |
| 0606154 | 249 | 5.70 |
| 0606160 | 249 | 8.50 |
| 0606162 | 249 | 9.80 |
| 0606170 | 249 | 10.30 |
| 0606172 | 249 | 13.00 |
| 0606176 | 249 | 17.20 |
| 0606178 | 249 | 25.10 |
| 0607201 | 248 | 3.70 |
| 0607202 | 248 | 5.90 |
| 0607203 | 248 | 8.40 |
| 0607401 | 248 | 6.30 |
| 0607402 | 248 | 7.80 |
| 0607403 | 248 | 11.10 |
| 0608140 | 249 | 1.85 |
| 0608143 | 249 | 4.45 |
| 0608144 | 249 | 6.95 |
| 0608149 | 249 | 15.95 |
| 0609190 | 252 | 79.00 |
| 0611180 | 250 | 149.00 |
| 0611190 | 250 | 169.00 |
| 0611195 | 251 | 2.60 |
| 0611300 | 250 | 76.00 |
| 0611501 | 250 | 30.00 |
| 0611502 | 250 | 24.90 |
| 0611503 | 250 | 8.60 |
| 0611504 | 250 | 8.60 |
| 0611505 | 250 | 6.50 |
| 0611506 | 250 | 6.80 |
| 0611507 | 250 | 6.80 |
| 0611508 | 250 | 6.80 |
| 0611509 | 250 | 6.80 |
| 0611510 | 250 | 5.80 |
| 0611512 | 250 | 5.80 |
| 0611515 | 250 | 5.80 |
| 0611518 | 250 | 7.60 |
| 0611520 | 250 | 5.80 |
| 0611525 | 250 | 5.80 |
| 0611530 | 250 | 6.70 |
| 0611535 | 250 | 6.70 |
| 0611540 | 250 | 7.70 |
| 0611545 | 250 | 7.70 |
| 0611550 | 250 | 7.70 |
| 0611552 | 250 | 9.90 |
| 0611554 | 250 | 9.90 |
| 0611556 | 250 | 9.90 |
| 0611558 | 250 | 9.90 |
| 0611560 | 250 | 9.90 |
| 0611562 | 250 | 9.90 |
| 0611564 | 250 | 10.10 |
| 0611566 | 250 | 10.60 |
| 0611568 | 250 | 10.60 |
| 0611570 | 250 | 10.60 |
| 0612180 | 251 | 195.00 |
| 0612501 | 251 | 39.50 |
| 0612502 | 251 | 33.00 |
| 0612503 | 251 | 11.50 |
| 0612504 | 251 | 11.50 |
| 0612505 | 251 | 8.50 |
| 0612506 | 251 | 8.90 |
| 0612507 | 251 | 8.90 |
| 0612508 | 251 | 8.90 |
| 0612509 | 251 | 8.90 |
| 0612510 | 251 | 7.70 |
| 0612512 | 251 | 7.70 |
| 0612515 | 251 | 7.70 |
| 0612518 | 251 | 9.90 |
| 0612520 | 251 | 7.70 |
| 0612525 | 251 | 7.70 |
| 0613107 | 253 | 65.00 |
| 0613109 | 253 | 35.20 |
| 0613114 | 253 | 24.80 |
| 0613116 | 253 | 24.80 |
| 0613118 | 253 | 24.80 |
| 0613120 | 253 | 16.90 |
| 0613122 | 253 | 16.90 |
| 0613126 | 253 | 16.90 |
| 0613128 | 253 | 16.90 |
| 0613130 | 253 | 17.50 |
| 0613134 | 253 | 17.50 |
| 0613138 | 253 | 17.50 |
| 0613142 | 253 | 17.50 |
| 0613146 | 253 | 19.40 |
| 0613150 | 253 | 19.40 |
| 0613152 | 253 | 31.00 |
| 0613154 | 253 | 31.00 |
| 0613156 | 253 | 31.00 |
| 0613158 | 253 | 31.00 |
| 0613160 | 253 | 31.00 |
| 0613207 | 253 | 94.00 |
| 0613209 | 253 | 51.00 |
| 0613214 | 253 | 35.60 |
| 0613216 | 253 | 35.60 |
| 0613218 | 253 | 35.60 |
| 0613220 | 253 | 24.30 |
| 0613222 | 253 | 24.30 |
| 0613226 | 253 | 24.30 |
| 0613228 | 253 | 24.30 |
| 0613230 | 253 | 25.20 |
| 0613232 | 253 | 25.20 |
| 0613234 | 253 | 25.20 |
| 0613236 | 253 | 25.20 |
| 0613238 | 253 | 25.20 |
| 0613240 | 253 | 25.20 |
| 0613242 | 253 | 25.20 |
| 0613244 | 253 | 27.50 |
| 0613246 | 253 | 27.50 |
| 0613248 | 253 | 27.50 |
| 0613250 | 253 | 27.50 |
| 0613252 | 253 | 44.80 |
| 0613254 | 253 | 44.80 |
| 0613256 | 253 | 44.80 |
| 0613258 | 253 | 44.80 |
| 0613260 | 253 | 44.80 |
| 0613309 | 253 | 90.00 |
| 0613318 | 253 | 54.00 |
| 0613330 | 253 | 51.00 |
| 0613334 | 253 | 51.00 |
| 0613338 | 253 | 65.00 |
| 0613342 | 253 | 65.00 |
| 0613346 | 253 | 74.00 |
| 0613350 | 253 | 84.00 |
| 0613352 | 253 | 101.00 |
| 0613354 | 253 | 101.00 |
| 0613356 | 253 | 121.00 |
| 0613358 | 253 | 121.00 |
| 0613360 | 253 | 138.00 |
| 0613412 | 253 | 103.00 |
| 0613418 | 253 | 83.00 |
| 0613424 | 253 | 83.00 |
| 0613430 | 253 | 79.00 |
| 0613434 | 253 | 79.00 |
| 0613438 | 253 | 99.00 |
| 0613440 | 253 | 99.00 |
| 0613442 | 253 | 99.00 |
| 0613446 | 253 | 109.00 |
| 0613450 | 253 | 128.00 |
| 0613512 | 253 | 102.00 |
| 0613518 | 253 | 82.00 |
| 0613524 | 253 | 82.00 |
| 0613530 | 253 | 78.00 |
| 0613534 | 253 | 78.00 |
| 0613538 | 253 | 97.00 |
| 0613540 | 253 | 97.00 |
| 0613542 | 253 | 97.00 |
| 0613546 | 253 | 108.00 |
| 0613550 | 253 | 127.00 |
| 0613607 | 254 | 65.00 |
| 0613609 | 254 | 35.20 |
| 0613614 | 254 | 24.80 |
| 0613616 | 254 | 24.80 |
| 0613618 | 254 | 24.80 |
| 0613620 | 254 | 16.90 |
| 0613622 | 254 | 16.90 |
| 0613626 | 254 | 16.90 |
| 0613628 | 254 | 16.90 |
| 0613630 | 254 | 17.50 |
| 0613632 | 254 | 17.50 |
| 0613634 | 254 | 17.50 |
| 0613636 | 254 | 17.50 |
| 0613638 | 254 | 17.50 |
| 0613640 | 254 | 17.50 |
| 0613642 | 254 | 17.50 |
| 0613644 | 254 | 19.40 |
| 0613646 | 254 | 19.40 |
| 0613648 | 254 | 19.40 |
| 0613650 | 254 | 19.40 |
| 0613652 | 254 | 31.00 |
| 0613654 | 254 | 31.00 |
| 0613656 | 254 | 31.00 |
| 0613658 | 254 | 31.00 |
| 0613660 | 254 | 31.00 |
| 0613709 | 254 | 48.50 |
| 0613718 | 254 | 29.40 |
| 0613730 | 254 | 27.50 |
| 0613734 | 254 | 27.50 |
| 0613738 | 254 | 34.70 |
| 0613742 | 254 | 34.70 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0613746 | 254 | 39.20 |
| 0613750 | 254 | 44.80 |
| 0613752 | 254 | 54.00 |
| 0613754 | 254 | 54.00 |
| 0613756 | 254 | 65.00 |
| 0613758 | 254 | 65.00 |
| 0613760 | 254 | 72.00 |
| 0613812 | 254 | 54.00 |
| 0613818 | 254 | 43.70 |
| 0613824 | 254 | 43.70 |
| 0613830 | 254 | 41.40 |
| 0613834 | 254 | 41.40 |
| 0613838 | 254 | 52.00 |
| 0613840 | 254 | 52.00 |
| 0613842 | 254 | 52.00 |
| 0613846 | 254 | 60.00 |
| 0613850 | 254 | 70.00 |
| 0613860 | 254 | 113.00 |
| 0613912 | 254 | 54.00 |
| 0613918 | 254 | 43.20 |
| 0613924 | 254 | 43.20 |
| 0613930 | 254 | 41.00 |
| 0613934 | 254 | 41.00 |
| 0613938 | 254 | 51.00 |
| 0613940 | 254 | 51.00 |
| 0613942 | 254 | 51.00 |
| 0613946 | 254 | 60.00 |
| 0613950 | 254 | 69.00 |
| 0623100 | 255 | 40.50 |
| 0623102 | 255 | 34.30 |
| 0623104 | 255 | 34.30 |
| 0623106 | 255 | 34.30 |
| 0623108 | 255 | 34.30 |
| 0623110 | 255 | 34.30 |
| 0623112 | 255 | 34.30 |
| 0623114 | 255 | 34.30 |
| 0623116 | 255 | 34.30 |
| 0623118 | 255 | 34.30 |
| 0623120 | 255 | 34.30 |
| 0623122 | 255 | 34.30 |
| 0623130 | 255 | 34.30 |
| 0623135 | 255 | 34.30 |
| 0623140 | 255 | 34.30 |
| 0623145 | 255 | 34.30 |
| 0623150 | 255 | 34.30 |
| 0623155 | 255 | 34.30 |
| 0623160 | 255 | 34.30 |
| 0623165 | 255 | 34.30 |
| 0623170 | 255 | 34.30 |
| 0623175 | 255 | 34.30 |
| 0623180 | 255 | 34.30 |
| 0623185 | 255 | 34.30 |
| 0623190 | 255 | 34.30 |
| 0623195 | 255 | 34.30 |
| 0623200 | 255 | 34.30 |
| 0623205 | 255 | 34.30 |
| 0623210 | 255 | 34.30 |
| 0623215 | 255 | 34.30 |
| 0623220 | 255 | 34.30 |
| 0623225 | 255 | 34.30 |
| 0623230 | 255 | 34.30 |
| 0623235 | 255 | 34.30 |
| 0623240 | 255 | 34.30 |
| 0623245 | 255 | 34.30 |
| 0623250 | 255 | 34.30 |
| 0623255 | 255 | 34.30 |
| 0623260 | 255 | 34.30 |
| 0623265 | 255 | 34.30 |
| 0623270 | 255 | 34.30 |
| 0623275 | 255 | 34.30 |
| 0623280 | 255 | 34.30 |
| 0623285 | 255 | 34.30 |
| 0623290 | 255 | 34.30 |
| 0623295 | 255 | 34.30 |
| 0623300 | 255 | 34.30 |
| 0623305 | 255 | 34.30 |
| 0623310 | 255 | 34.30 |
| 0623315 | 255 | 34.30 |
| 0623320 | 255 | 34.30 |
| 0623325 | 255 | 34.30 |
| 0623330 | 255 | 34.30 |
| 0623335 | 255 | 34.30 |
| 0623340 | 255 | 34.30 |
| 0623345 | 255 | 34.30 |
| 0623350 | 255 | 34.30 |
| 0623355 | 255 | 34.30 |
| 0623360 | 255 | 34.30 |
| 0623365 | 255 | 34.30 |
| 0623370 | 255 | 34.30 |
| 0623375 | 255 | 34.30 |
| 0623380 | 255 | 34.30 |
| 0623385 | 255 | 34.30 |
| 0623390 | 255 | 34.30 |
| 0623395 | 255 | 34.30 |
| 0623400 | 255 | 36.40 |
| 0623405 | 255 | 36.40 |
| 0623410 | 255 | 36.40 |
| 0623415 | 255 | 36.40 |
| 0623420 | 255 | 36.40 |
| 0623425 | 255 | 36.40 |
| 0623430 | 255 | 36.40 |
| 0623435 | 255 | 36.40 |
| 0623440 | 255 | 36.40 |
| 0623445 | 255 | 36.40 |
| 0623450 | 255 | 36.40 |
| 0623455 | 255 | 36.40 |
| 0623460 | 255 | 36.40 |
| 0623465 | 255 | 36.40 |
| 0623470 | 255 | 36.40 |
| 0623475 | 255 | 43.60 |
| 0623500 | 255 | 43.60 |
| 0623510 | 255 | 43.60 |
| 0623520 | 255 | 43.60 |
| 0623530 | 255 | 43.60 |
| 0623540 | 255 | 43.60 |
| 0623550 | 255 | 43.60 |
| 0623560 | 255 | 43.60 |
| 0623570 | 255 | 43.60 |
| 0623580 | 255 | 43.60 |
| 0623590 | 255 | 43.60 |
| 0623600 | 255 | 43.60 |
| 0623610 | 255 | 43.60 |
| 0623620 | 255 | 43.60 |
| 0623630 | 255 | 43.60 |
| 0623640 | 255 | 43.60 |
| 0623650 | 255 | 52.00 |
| 0623660 | 255 | 52.00 |
| 0623670 | 255 | 52.00 |
| 0623680 | 255 | 52.00 |
| 0623690 | 255 | 52.00 |
| 0623700 | 255 | 52.00 |
| 0623710 | 255 | 64.00 |
| 0623720 | 255 | 64.00 |
| 0623730 | 255 | 77.00 |
| 0623740 | 255 | 272.00 |
| 0623750 | 255 | 272.00 |
| 0623760 | 255 | 272.00 |
| 0623770 | 255 | 324.00 |
| 0623780 | 255 | 463.00 |
| 0623790 | 255 | 601.00 |
| 0623800 | 255 | 831.00 |
| 0623810 | 255 | 1,298.00 |
| 0623820 | 255 | 1,346.00 |
| 0623830 | 255 | 1,662.00 |
| 0623840 | 255 | 1,970.00 |
| 0623850 | 255 | 2,442.00 |
| 0624100 | 256 | 27.00 |
| 0624102 | 256 | 22.90 |
| 0624104 | 256 | 22.90 |
| 0624106 | 256 | 22.90 |
| 0624108 | 256 | 22.90 |
| 0624110 | 256 | 22.90 |
| 0624112 | 256 | 22.90 |
| 0624114 | 256 | 22.90 |
| 0624116 | 256 | 22.90 |
| 0624118 | 256 | 22.90 |
| 0624120 | 256 | 22.90 |
| 0624122 | 256 | 22.90 |
| 0624130 | 256 | 22.90 |
| 0624135 | 256 | 22.90 |
| 0624140 | 256 | 22.90 |
| 0624145 | 256 | 22.90 |
| 0624150 | 256 | 22.90 |
| 0624155 | 256 | 22.90 |
| 0624160 | 256 | 22.90 |
| 0624165 | 256 | 22.90 |
| 0624170 | 256 | 22.90 |
| 0624175 | 256 | 22.90 |
| 0624180 | 256 | 22.90 |
| 0624185 | 256 | 22.90 |
| 0624190 | 256 | 22.90 |
| 0624195 | 256 | 22.90 |
| 0624200 | 256 | 22.90 |
| 0624205 | 256 | 22.90 |
| 0624210 | 256 | 22.90 |
| 0624215 | 256 | 22.90 |
| 0624220 | 256 | 22.90 |
| 0624225 | 256 | 22.90 |
| 0624230 | 256 | 22.90 |
| 0624235 | 256 | 22.90 |
| 0624240 | 256 | 22.90 |
| 0624245 | 256 | 22.90 |
| 0624250 | 256 | 22.90 |
| 0624255 | 256 | 22.90 |
| 0624260 | 256 | 22.90 |
| 0624265 | 256 | 22.90 |
| 0624270 | 256 | 22.90 |
| 0624275 | 256 | 22.90 |
| 0624280 | 256 | 22.90 |
| 0624285 | 256 | 22.90 |
| 0624290 | 256 | 22.90 |
| 0624295 | 256 | 22.90 |
| 0624300 | 256 | 22.90 |
| 0624305 | 256 | 22.90 |
| 0624310 | 256 | 22.90 |
| 0624315 | 256 | 22.90 |
| 0624320 | 256 | 22.90 |
| 0624325 | 256 | 22.90 |
| 0624330 | 256 | 22.90 |
| 0624335 | 256 | 22.90 |
| 0624340 | 256 | 22.90 |
| 0624345 | 256 | 22.90 |
| 0624350 | 256 | 22.90 |
| 0624355 | 256 | 22.90 |
| 0624360 | 256 | 22.90 |
| 0624365 | 256 | 22.90 |
| 0624370 | 256 | 22.90 |
| 0624375 | 256 | 22.90 |
| 0624380 | 256 | 22.90 |
| 0624385 | 256 | 22.90 |
| 0624390 | 256 | 22.90 |
| 0624395 | 256 | 22.90 |
| 0624400 | 256 | 23.90 |
| 0624405 | 256 | 23.90 |
| 0624410 | 256 | 23.90 |
| 0624415 | 256 | 23.90 |
| 0624420 | 256 | 23.90 |
| 0624425 | 256 | 23.90 |
| 0624430 | 256 | 23.90 |
| 0624435 | 256 | 23.90 |
| 0624440 | 256 | 23.90 |
| 0624445 | 256 | 23.90 |
| 0624450 | 256 | 23.90 |
| 0624455 | 256 | 23.90 |
| 0624460 | 256 | 23.90 |
| 0624465 | 256 | 23.90 |
| 0624470 | 256 | 23.90 |
| 0624475 | 256 | 29.10 |
| 0624500 | 256 | 29.10 |
| 0624510 | 256 | 29.10 |
| 0624520 | 256 | 29.10 |
| 0624530 | 256 | 29.10 |
| 0624540 | 256 | 29.10 |
| 0624550 | 256 | 29.10 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0624560 | 256 | 29.10 |
| 0624570 | 256 | 29.10 |
| 0624580 | 256 | 29.10 |
| 0624590 | 256 | 29.10 |
| 0624600 | 256 | 29.10 |
| 0624610 | 256 | 29.10 |
| 0624620 | 256 | 29.10 |
| 0624630 | 256 | 29.10 |
| 0624640 | 256 | 29.10 |
| 0624650 | 256 | 34.30 |
| 0624660 | 256 | 34.30 |
| 0624670 | 256 | 34.30 |
| 0624680 | 256 | 34.30 |
| 0624690 | 256 | 34.30 |
| 0624700 | 256 | 34.30 |
| 0624710 | 256 | 42.60 |
| 0624720 | 256 | 42.60 |
| 0624730 | 256 | 51.00 |
| 0624740 | 256 | 165.00 |
| 0624750 | 256 | 165.00 |
| 0624760 | 256 | 165.00 |
| 0624770 | 256 | 196.00 |
| 0624780 | 256 | 281.00 |
| 0624790 | 256 | 364.00 |
| 0624800 | 256 | 504.00 |
| 0624810 | 256 | 701.00 |
| 0624820 | 256 | 727.00 |
| 0624830 | 256 | 899.00 |
| 0624840 | 256 | 1,065.00 |
| 0624850 | 256 | 1,320.00 |
| 0625100 | 257 | 21.80 |
| 0625102 | 257 | 18.70 |
| 0625104 | 257 | 18.70 |
| 0625106 | 257 | 18.70 |
| 0625108 | 257 | 18.70 |
| 0625110 | 257 | 18.70 |
| 0625112 | 257 | 18.70 |
| 0625114 | 257 | 18.70 |
| 0625116 | 257 | 18.70 |
| 0625118 | 257 | 18.70 |
| 0625120 | 257 | 18.70 |
| 0625122 | 257 | 18.70 |
| 0625130 | 257 | 18.70 |
| 0625135 | 257 | 18.70 |
| 0625140 | 257 | 18.70 |
| 0625145 | 257 | 18.70 |
| 0625150 | 257 | 18.70 |
| 0625155 | 257 | 18.70 |
| 0625160 | 257 | 18.70 |
| 0625165 | 257 | 18.70 |
| 0625170 | 257 | 18.70 |
| 0625175 | 257 | 18.70 |
| 0625180 | 257 | 18.70 |
| 0625185 | 257 | 18.70 |
| 0625190 | 257 | 18.70 |
| 0625195 | 257 | 18.70 |
| 0625200 | 257 | 18.70 |
| 0625205 | 257 | 18.70 |
| 0625210 | 257 | 18.70 |
| 0625215 | 257 | 18.70 |
| 0625220 | 257 | 18.70 |
| 0625225 | 257 | 18.70 |
| 0625230 | 257 | 18.70 |
| 0625235 | 257 | 18.70 |
| 0625240 | 257 | 18.70 |
| 0625245 | 257 | 18.70 |
| 0625250 | 257 | 18.70 |
| 0625255 | 257 | 18.70 |
| 0625260 | 257 | 18.70 |
| 0625265 | 257 | 18.70 |
| 0625270 | 257 | 18.70 |
| 0625275 | 257 | 18.70 |
| 0625280 | 257 | 18.70 |
| 0625285 | 257 | 18.70 |
| 0625290 | 257 | 18.70 |
| 0625295 | 257 | 18.70 |
| 0625300 | 257 | 18.70 |
| 0625305 | 257 | 18.70 |
| 0625310 | 257 | 18.70 |
| 0625315 | 257 | 18.70 |
| 0625320 | 257 | 18.70 |
| 0625325 | 257 | 18.70 |
| 0625330 | 257 | 18.70 |
| 0625335 | 257 | 18.70 |
| 0625340 | 257 | 18.70 |
| 0625345 | 257 | 18.70 |
| 0625350 | 257 | 18.70 |
| 0625355 | 257 | 18.70 |
| 0625360 | 257 | 18.70 |
| 0625365 | 257 | 18.70 |
| 0625370 | 257 | 18.70 |
| 0625375 | 257 | 18.70 |
| 0625380 | 257 | 18.70 |
| 0625385 | 257 | 18.70 |
| 0625390 | 257 | 18.70 |
| 0625395 | 257 | 18.70 |
| 0625400 | 257 | 18.70 |
| 0625405 | 257 | 18.70 |
| 0625410 | 257 | 18.70 |
| 0625415 | 257 | 18.70 |
| 0625420 | 257 | 18.70 |
| 0625425 | 257 | 18.70 |
| 0625430 | 257 | 18.70 |
| 0625435 | 257 | 18.70 |
| 0625440 | 257 | 18.70 |
| 0625445 | 257 | 18.70 |
| 0625450 | 257 | 18.70 |
| 0625455 | 257 | 18.70 |
| 0625460 | 257 | 18.70 |
| 0625465 | 257 | 18.70 |
| 0625470 | 257 | 18.70 |
| 0625475 | 257 | 22.90 |
| 0625500 | 257 | 22.90 |
| 0625510 | 257 | 22.90 |
| 0625520 | 257 | 22.90 |
| 0625530 | 257 | 22.90 |
| 0625540 | 257 | 22.90 |
| 0625550 | 257 | 22.90 |
| 0625560 | 257 | 22.90 |
| 0625570 | 257 | 22.90 |
| 0625580 | 257 | 22.90 |
| 0625590 | 257 | 22.90 |
| 0625600 | 257 | 22.90 |
| 0625610 | 257 | 22.90 |
| 0625620 | 257 | 22.90 |
| 0625630 | 257 | 22.90 |
| 0625640 | 257 | 22.90 |
| 0625650 | 257 | 27.00 |
| 0625660 | 257 | 27.00 |
| 0625670 | 257 | 27.00 |
| 0625680 | 257 | 27.00 |
| 0625690 | 257 | 27.00 |
| 0625700 | 257 | 27.00 |
| 0625710 | 257 | 34.30 |
| 0625720 | 257 | 34.30 |
| 0625730 | 257 | 40.50 |
| 0625740 | 257 | 132.00 |
| 0625750 | 257 | 132.00 |
| 0625760 | 257 | 132.00 |
| 0625770 | 257 | 141.00 |
| 0625780 | 257 | 223.00 |
| 0625790 | 257 | 262.00 |
| 0625800 | 257 | 343.00 |
| 0625810 | 257 | 426.00 |
| 0625820 | 257 | 509.00 |
| 0625830 | 257 | 630.00 |
| 0625840 | 257 | 746.00 |
| 0625850 | 257 | 924.00 |
| 0633001 | 260 | 301.00 |
| 0633014 | 262 | 853.00 |
| 0633016 | 262 | 779.00 |
| 0633018 | 262 | 507.00 |
| 0633020 | 262 | 370.00 |
| 0633114 | 262 | 656.00 |
| 0633116 | 262 | 500.00 |
| 0633118 | 262 | 309.00 |
| 0633120 | 262 | 225.00 |
| 0633130 | 258 | 1,105.00 |
| 0633131 | 258 | 1,283.00 |
| 0633132 | 258 | 1,660.00 |
| 0633133 | 258 | 3,279.00 |
| 0633136 | 260 | 175.00 |
| 0633137 | 260 | 200.00 |
| 0633138 | 260 | 240.00 |
| 0633139 | 260 | 220.00 |
| 0633140 | 260 | 260.00 |
| 0633141 | 260 | 300.00 |
| 0633142 | 260 | 340.00 |
| 0633143 | 260 | 370.00 |
| 0633144 | 260 | 430.00 |
| 0633145 | 260 | 600.00 |
| 0633150 | 258 | 205.00 |
| 0633151 | 258 | 205.00 |
| 0633152 | 258 | 220.00 |
| 0633153 | 258 | 270.00 |
| 0633154 | 258 | 380.00 |
| 0633155 | 258 | 495.00 |
| 0633170 | 258 | 245.00 |
| 0633171 | 259 | 89.00 |
| 0633172 | 259 | 360.00 |
| 0633173 | 259 | 115.00 |
| 0633174 | 259 | 200.00 |
| 0633175 | 259 | 235.00 |
| 0633176 | 259 | 370.00 |
| 0633177 | 259 | 440.00 |
| 0633178 | 259 | 215.00 |
| 0633179 | 259 | 270.00 |
| 0633180 | 259 | 325.00 |
| 0633181 | 259 | 485.00 |
| 0633182 | 260 | 155.00 |
| 0633214 | 263 | 415.00 |
| 0633216 | 263 | 327.00 |
| 0633218 | 263 | 224.00 |
| 0633220 | 263 | 148.00 |
| 0633805 | 261 | 325.00 |
| 0633808 | 261 | 435.00 |
| 0633810 | 261 | 264.00 |
| 0633833 | 36 / 261 | 540.00 |
| 0633834 | 36 / 261 | 721.00 |
| 0633836 | 36 / 261 | 1,287.00 |
| 0633838 | 36 / 261 | 2,275.00 |
| 0634014 | 264 | 4,389.00 |
| 0634016 | 264 | 3,616.00 |
| 0634017 | 264 | 2,363.00 |
| 0634020 | 264 | 1,241.00 |
| 0634114 | 264 | 3,863.00 |
| 0634116 | 264 | 3,158.00 |
| 0634117 | 264 | 2,117.00 |
| 0634120 | 264 | 1,077.00 |
| 0634514 | 265 | 6,128.00 |
| 0634516 | 265 | 4,880.00 |
| 0634517 | 265 | 2,910.00 |
| 0634520 | 265 | 1,767.00 |
| 0634614 | 265 | 5,130.00 |
| 0634616 | 265 | 4,077.00 |
| 0634617 | 265 | 2,432.00 |
| 0634620 | 265 | 1,474.00 |
| 0636301 | 266 | 779.00 |
| 0636321 | 266 | 236.00 |
| 0636322 | 266 | 236.00 |
| 0636323 | 266 | 292.00 |
| 0636324 | 266 | 292.00 |
| 0636325 | 266 | 292.00 |
| 0636326 | 266 | 356.00 |
| 0636327 | 266 | 356.00 |
| 0636328 | 266 | 356.00 |
| 0636329 | 266 | 356.00 |
| 0636341 | 266 | 992.00 |
| 0636342 | 266 | 992.00 |
| 0636343 | 266 | 1,257.00 |
| 0636344 | 266 | 1,257.00 |
| 0636345 | 266 | 1,257.00 |
| 0636346 | 266 | 1,547.00 |
| 0636347 | 266 | 1,547.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0636348 | 266 | 1,547.00 |
| 0636349 | 266 | 1,547.00 |
| 0636351 | 266 | 1,268.00 |
| 0636352 | 266 | 1,152.00 |
| 0636372 | 266 | 694.00 |
| 0636373 | 266 | 694.00 |
| 0636374 | 266 | 914.00 |
| 0636375 | 266 | 914.00 |
| 0636376 | 266 | 914.00 |
| 0636377 | 266 | 1,107.00 |
| 0636378 | 266 | 1,255.00 |
| 0636379 | 266 | 1,255.00 |
| 0636380 | 266 | 1,255.00 |
| 0636392 | 267 | 12.70 |
| 0636393 | 267 | 14.50 |
| 0636394 | 267 | 27.50 |
| 0636395 | 267 | 35.30 |
| 0636396 | 267 | 40.70 |
| 0637103 | 268 | 29.80 |
| 0637104 | 268 | 29.80 |
| 0637105 | 268 | 29.80 |
| 0637106 | 268 | 21.70 |
| 0637107 | 268 | 21.70 |
| 0637108 | 268 | 19.40 |
| 0637109 | 268 | 19.40 |
| 0637110 | 268 | 19.40 |
| 0637111 | 268 | 18.30 |
| 0637112 | 268 | 18.30 |
| 0637113 | 268 | 19.40 |
| 0637114 | 268 | 19.40 |
| 0637115 | 268 | 20.70 |
| 0637116 | 268 | 21.70 |
| 0637117 | 268 | 21.70 |
| 0637118 | 268 | 23.00 |
| 0637119 | 268 | 24.10 |
| 0637120 | 268 | 24.10 |
| 0637121 | 268 | 24.80 |
| 0637122 | 268 | 24.80 |
| 0637123 | 268 | 25.90 |
| 0637124 | 268 | 26.90 |
| 0637125 | 268 | 26.90 |
| 0637126 | 268 | 26.90 |
| 0637127 | 268 | 28.30 |
| 0637128 | 268 | 28.90 |
| 0637129 | 268 | 29.80 |
| 0637130 | 268 | 29.80 |
| 0637131 | 268 | 31.00 |
| 0637132 | 268 | 32.20 |
| 0637133 | 268 | 32.20 |
| 0637134 | 268 | 33.20 |
| 0637135 | 268 | 33.20 |
| 0637136 | 268 | 36.80 |
| 0637137 | 268 | 37.40 |
| 0637138 | 268 | 38.50 |
| 0637139 | 268 | 38.50 |
| 0637140 | 268 | 39.40 |
| 0637141 | 268 | 40.20 |
| 0637142 | 268 | 41.40 |
| 0637144 | 268 | 42.60 |
| 0637146 | 268 | 43.90 |
| 0637147 | 268 | 54.00 |
| 0637148 | 268 | 47.20 |
| 0637149 | 268 | 48.20 |
| 0637150 | 268 | 48.90 |
| 0637151 | 268 | 51.00 |
| 0637152 | 268 | 52.00 |
| 0637154 | 268 | 54.00 |
| 0637155 | 268 | 57.00 |
| 0637156 | 268 | 60.00 |
| 0637157 | 268 | 64.00 |
| 0637158 | 268 | 66.00 |
| 0637159 | 268 | 70.00 |
| 0637160 | 268 | 70.00 |
| 0637161 | 268 | 77.00 |
| 0637162 | 268 | 78.00 |
| 0637163 | 268 | 80.00 |
| 0637164 | 268 | 84.00 |
| 0637165 | 268 | 88.00 |
| 0637166 | 268 | 89.00 |
| 0637167 | 268 | 91.00 |
| 0637168 | 268 | 95.00 |
| 0637169 | 268 | 100.00 |
| 0637170 | 268 | 101.00 |
| 0637171 | 268 | 104.00 |
| 0637172 | 268 | 106.00 |
| 0637173 | 268 | 109.00 |
| 0637174 | 268 | 111.00 |
| 0637190 | 268 | 142.00 |
| 0649201 | 269 | 69.00 |
| 0649202 | 269 | 69.00 |
| 0649203 | 269 | 69.00 |
| 0649204 | 269 | 71.00 |
| 0649205 | 269 | 71.00 |
| 0649206 | 269 | 75.00 |
| 0649207 | 269 | 75.00 |
| 0649208 | 269 | 78.00 |
| 0649209 | 269 | 78.00 |
| 0649210 | 269 | 82.00 |
| 0649211 | 269 | 82.00 |
| 0649212 | 269 | 89.00 |
| 0649213 | 269 | 89.00 |
| 0649215 | 269 | 99.00 |
| 0649216 | 269 | 113.00 |
| 0649217 | 269 | 113.00 |
| 0649219 | 269 | 135.00 |
| 0649220 | 269 | 176.00 |
| 0649222 | 269 | 202.00 |
| 0649223 | 269 | 202.00 |
| 0650101 | 270 | 877.00 |
| 0650102 | 270 | 958.00 |
| 0650103 | 270 | 1,053.00 |
| 0650104 | 270 | 1,153.00 |
| 0650105 | 270 | 1,661.00 |
| 0650106 | 270 | 1,880.00 |
| 0650107 | 270 | 2,156.00 |
| 0650108 | 270 | 2,245.00 |
| 0650109 | 270 | 2,382.00 |
| 0650110 | 270 | 2,578.00 |
| 0650111 | 270 | 2,767.00 |
| 0650112 | 270 | 2,957.00 |
| 0650113 | 270 | 3,148.00 |
| 0650114 | 270 | 3,402.00 |
| 0650115 | 270 | 4,346.00 |
| 0650116 | 270 | 4,533.00 |
| 0650117 | 270 | 4,731.00 |
| 0650118 | 270 | 4,924.00 |
| 0650119 | 270 | 5,116.00 |
| 0656303 | 271 | 48.20 |
| 0656304 | 271 | 72.00 |
| 0656305 | 271 | 857.00 |
| 0656306 | 271 | 943.00 |
| 0656309 | 271 | 55.00 |
| 0656310 | 271 | 48.20 |
| 0656311 | 271 | 48.20 |
| 0656312 | 271 | 48.20 |
| 0656313 | 271 | 47.20 |
| 0656314 | 271 | 46.00 |
| 0656315 | 271 | 46.00 |
| 0656316 | 271 | 46.00 |
| 0656317 | 271 | 46.00 |
| 0656318 | 271 | 46.00 |
| 0656319 | 271 | 47.20 |
| 0656320 | 271 | 48.20 |
| 0656321 | 271 | 48.90 |
| 0656322 | 271 | 48.90 |
| 0656323 | 271 | 50.00 |
| 0656324 | 271 | 50.00 |
| 0656325 | 271 | 51.00 |
| 0656326 | 271 | 51.00 |
| 0656327 | 271 | 52.00 |
| 0656328 | 271 | 54.00 |
| 0656329 | 271 | 54.00 |
| 0656330 | 271 | 54.00 |
| 0656331 | 271 | 57.00 |
| 0656332 | 271 | 58.00 |
| 0656333 | 271 | 59.00 |
| 0656334 | 271 | 60.00 |
| 0656335 | 271 | 60.00 |
| 0656336 | 271 | 61.00 |
| 0656337 | 271 | 57.00 |
| 0656338 | 271 | 64.00 |
| 0656339 | 271 | 64.00 |
| 0656340 | 271 | 65.00 |
| 0656341 | 271 | 65.00 |
| 0656342 | 271 | 66.00 |
| 0656343 | 271 | 68.00 |
| 0656344 | 271 | 69.00 |
| 0656345 | 271 | 70.00 |
| 0656346 | 271 | 74.00 |
| 0656347 | 271 | 78.00 |
| 0656348 | 271 | 80.00 |
| 0656349 | 271 | 82.00 |
| 0656350 | 271 | 84.00 |
| 0656351 | 271 | 86.00 |
| 0656352 | 271 | 89.00 |
| 0656353 | 271 | 91.00 |
| 0656354 | 271 | 100.00 |
| 0656355 | 271 | 104.00 |
| 0656356 | 271 | 108.00 |
| 0656357 | 271 | 111.00 |
| 0656358 | 271 | 118.00 |
| 0656359 | 271 | 127.00 |
| 0656360 | 271 | 131.00 |
| 0656361 | 271 | 136.00 |
| 0656362 | 271 | 140.00 |
| 0656363 | 271 | 148.00 |
| 0656364 | 271 | 153.00 |
| 0656365 | 271 | 161.00 |
| 0656366 | 271 | 172.00 |
| 0656367 | 271 | 183.00 |
| 0656368 | 271 | 189.00 |
| 0656369 | 271 | 197.00 |
| 0656370 | 271 | 210.00 |
| 0656371 | 271 | 220.00 |
| 0656372 | 271 | 227.00 |
| 0656373 | 271 | 238.00 |
| 0656374 | 271 | 250.00 |
| 0656375 | 271 | 261.00 |
| 0656376 | 271 | 273.00 |
| 0656377 | 271 | 285.00 |
| 0656378 | 271 | 295.00 |
| 0656379 | 271 | 307.00 |
| 0656380 | 271 | 318.00 |
| 0656381 | 271 | 329.00 |
| 0656382 | 271 | 341.00 |
| 0656383 | 271 | 372.00 |
| 0656384 | 271 | 402.00 |
| 0656385 | 271 | 432.00 |
| 0656386 | 271 | 464.00 |
| 0656387 | 271 | 495.00 |
| 0656388 | 271 | 525.00 |
| 0656389 | 271 | 557.00 |
| 0656390 | 271 | 586.00 |
| 0656391 | 271 | 618.00 |
| 0656392 | 271 | 648.00 |
| 0656393 | 271 | 683.00 |
| 0656394 | 271 | 713.00 |
| 0656395 | 271 | 747.00 |
| 0656396 | 271 | 780.00 |
| 0656397 | 271 | 814.00 |
| 0656398 | 271 | 847.00 |
| 0656399 | 271 | 879.00 |
| 0658001 | 272 | 142.00 |
| 0658002 | 272 | 137.00 |
| 0658003 | 272 | 119.00 |
| 0658004 | 272 | 104.00 |
| 0658005 | 272 | 91.00 |
| 0658006 | 272 | 91.00 |
| 0658007 | 272 | 84.00 |
| 0658008 | 272 | 79.00 |
| 0658009 | 272 | 65.00 |
| 0658010 | 272 | 64.00 |
| 0658011 | 272 | 61.00 |
| 0658012 | 272 | 60.00 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0658013 | 272 | 58.00 |
| 0658014 | 272 | 59.00 |
| 0658015 | 272 | 60.00 |
| 0658016 | 272 | 61.00 |
| 0658017 | 272 | 64.00 |
| 0658018 | 272 | 101.00 |
| 0658019 | 272 | 69.00 |
| 0658020 | 272 | 74.00 |
| 0658021 | 272 | 80.00 |
| 0658022 | 272 | 85.00 |
| 0658023 | 272 | 90.00 |
| 0658024 | 272 | 97.00 |
| 0658025 | 272 | 108.00 |
| 0658026 | 272 | 118.00 |
| 0658027 | 272 | 132.00 |
| 0658028 | 272 | 143.00 |
| 0658029 | 272 | 156.00 |
| 0658030 | 272 | 172.00 |
| 0658031 | 272 | 254.00 |
| 0658032 | 272 | 274.00 |
| 0658033 | 272 | 296.00 |
| 0658034 | 272 | 317.00 |
| 0658035 | 272 | 351.00 |
| 0658036 | 272 | 372.00 |
| 0658037 | 272 | 407.00 |
| 0658038 | 272 | 433.00 |
| 0658090 | 272 | 242.00 |
| 0658501 | 273 | 143.00 |
| 0658502 | 273 | 136.00 |
| 0658503 | 273 | 126.00 |
| 0658504 | 273 | 91.00 |
| 0658505 | 273 | 83.00 |
| 0658506 | 273 | 83.00 |
| 0658507 | 273 | 72.00 |
| 0658508 | 273 | 62.00 |
| 0658509 | 273 | 51.00 |
| 0658510 | 273 | 48.20 |
| 0658511 | 273 | 47.20 |
| 0658512 | 273 | 47.20 |
| 0658513 | 273 | 47.20 |
| 0658514 | 273 | 47.20 |
| 0658515 | 273 | 48.20 |
| 0658516 | 273 | 51.00 |
| 0658517 | 273 | 57.00 |
| 0658518 | 273 | 64.00 |
| 0658519 | 273 | 66.00 |
| 0658520 | 273 | 72.00 |
| 0658521 | 273 | 80.00 |
| 0658522 | 273 | 91.00 |
| 0658523 | 273 | 102.00 |
| 0658524 | 273 | 110.00 |
| 0658525 | 273 | 118.00 |
| 0658526 | 273 | 133.00 |
| 0658527 | 273 | 143.00 |
| 0658528 | 273 | 158.00 |
| 0658529 | 273 | 169.00 |
| 0658530 | 273 | 184.00 |
| 0658531 | 273 | 201.00 |
| 0658532 | 273 | 212.00 |
| 0658533 | 273 | 224.00 |
| 0658534 | 273 | 243.00 |
| 0658535 | 273 | 257.00 |
| 0658536 | 273 | 274.00 |
| 0658537 | 273 | 294.00 |
| 0658538 | 273 | 311.00 |
| 0658590 | 275 | 242.00 |
| 0658601 | 274 | 143.00 |
| 0658602 | 274 | 136.00 |
| 0658603 | 274 | 126.00 |
| 0658604 | 274 | 91.00 |
| 0658605 | 274 | 83.00 |
| 0658606 | 274 | 83.00 |
| 0658607 | 274 | 72.00 |
| 0658608 | 274 | 62.00 |
| 0658609 | 274 | 51.00 |
| 0658610 | 274 | 48.20 |
| 0658611 | 274 | 47.20 |
| 0658612 | 274 | 47.20 |
| 0658613 | 274 | 47.20 |
| 0658614 | 274 | 47.20 |
| 0658615 | 274 | 48.20 |
| 0658616 | 274 | 51.00 |
| 0658617 | 274 | 57.00 |
| 0658618 | 274 | 65.00 |
| 0658619 | 274 | 66.00 |
| 0658620 | 274 | 72.00 |
| 0658621 | 274 | 80.00 |
| 0658622 | 274 | 91.00 |
| 0658623 | 274 | 102.00 |
| 0658624 | 274 | 110.00 |
| 0658625 | 274 | 118.00 |
| 0658626 | 274 | 133.00 |
| 0658627 | 274 | 143.00 |
| 0658628 | 274 | 158.00 |
| 0658629 | 274 | 169.00 |
| 0658630 | 274 | 184.00 |
| 0658631 | 274 | 201.00 |
| 0658632 | 274 | 212.00 |
| 0658633 | 274 | 224.00 |
| 0658634 | 274 | 243.00 |
| 0658635 | 274 | 257.00 |
| 0658636 | 274 | 274.00 |
| 0658637 | 274 | 294.00 |
| 0658638 | 274 | 311.00 |
| 0658690 | 275 | 242.00 |
| 0691731 | 128 | 363.00 |
| 0691733 | 128 | 416.00 |
| 0691735 | 128 | 905.00 |
| 0691737 | 128 | 1.020.00 |
| 0691741 | 128 | 448.00 |
| 0691743 | 128 | 491.00 |
| 0691745 | 128 | 1.003.00 |
| 0691747 | 128 | 1.158.00 |
| 0691751 | 128 | 521.00 |
| 0691753 | 128 | 576.00 |
| 0700100 | 132 | 60.00 |
| 0700101 | 132 | 60.00 |
| 0700102 | 132 | 46.00 |
| 0700104 | 132 | 53.00 |
| 0701101 | 129 | 40.00 |
| 0701102 | 129 | 50.00 |
| 0701103 | 130 | 23.00 |
| 0701106 | 130 | 24.00 |
| 0701110 | 130 | 40.00 |
| 0701111 | 130 | 46.00 |
| 0702106 | 132 | 61.00 |
| 0703101 | 130 | 99.00 |
| 0703104 | 130 | 137.00 |
| 0703107 | 130 | 275.00 |
| 0704105 | 131 | 70.00 |
| 0704106 | 131 | 86.00 |
| 0704109 | 131 | 113.00 |
| 0704110 | 131 | 146.00 |
| 0705102 | 133 | 108.00 |
| 0705104 | 133 | 108.00 |
| 0705105 | 133 | 113.00 |
| 0705107 | 133 | 115.00 |
| 0705109 | 133 | 140.00 |
| 0706102 | 133 | 70.00 |
| 0707101 | 131 | 124.00 |
| 0707102 | 131 | 106.00 |
| 0708101 | 129 | 86.00 |
| 0708102 | 129 | 55.00 |
| 0708103 | 129 | 66.00 |
| 0708104 | 129 | 45.00 |
| 0708105 | 129 | 55.00 |
| 0708106 | 129 | 73.00 |
| 0709101 | 134 | 104.00 |
| 0709108 | 134 | 124.00 |
| 0710101 | 135 | 51.00 |
| 0710102 | 135 | 6.30 |
| 0710103 | 135 | 6.50 |
| 0710104 | 135 | 10.10 |
| 0710105 | 135 | 10.10 |
| 0710111 | 136 | 4.30 |
| 0710112 | 136 | 4.30 |
| 0710113 | 136 | 4.30 |
| 0710114 | 136 | 4.30 |
| 0710115 | 136 | 4.30 |
| 0710116 | 136 | 4.30 |
| 0710117 | 136 | 4.30 |
| 0710118 | 136 | 4.30 |
| 0710119 | 136 | 4.30 |
| 0710120 | 136 | 4.30 |
| 0710121 | 136 | 4.30 |
| 0710122 | 136 | 4.30 |
| 0710123 | 136 | 4.30 |
| 0710124 | 136 | 4.30 |
| 0710125 | 136 | 4.30 |
| 0710126 | 136 | 4.30 |
| 0710127 | 136 | 4.30 |
| 0710128 | 136 | 4.30 |
| 0710129 | 136 | 4.30 |
| 0710161 | 137 | 3.50 |
| 0710162 | 137 | 4.50 |
| 0710163 | 137 | 5.20 |
| 0710164 | 137 | 5.20 |
| 0710165 | 137 | 6.50 |
| 0710166 | 138 | 4.70 |
| 0710167 | 138 | 3.30 |
| 0710168 | 138 | 3.30 |
| 0710169 | 138 | 6.50 |
| 0710170 | 138 | 6.50 |
| 0710171 | 138 | 6.50 |
| 0710172 | 138 | 6.50 |
| 0710173 | 138 | 6.50 |
| 0710174 | 138 | 6.50 |
| 0710175 | 138 | 6.50 |
| 0710176 | 138 | 6.50 |
| 0710177 | 138 | 6.50 |
| 0710178 | 138 | 6.50 |
| 0710179 | 138 | 6.50 |
| 0710180 | 138 | 6.50 |
| 0710181 | 139 | 6.50 |
| 0710182 | 139 | 6.50 |
| 0710183 | 139 | 6.50 |
| 0710184 | 139 | 6.50 |
| 0710185 | 139 | 6.50 |
| 0710186 | 139 | 6.50 |
| 0710187 | 139 | 6.50 |
| 0710188 | 139 | 6.50 |
| 0710189 | 139 | 6.50 |
| 0710192 | 139 | 6.90 |
| 0710193 | 139 | 3.50 |
| 0710194 | 139 | 4.70 |
| 0710195 | 140 | 1.10 |
| 0710196 | 140 | 7.60 |
| 0710197 | 140 | 1.10 |
| 0710261 | 137 | 23.80 |
| 0710262 | 137 | 38.40 |
| 0710263 | 137 | 46.30 |
| 0710264 | 137 | 44.80 |
| 0710265 | 137 | 20.60 |
| 0710267 | 138 | 10.90 |
| 0710268 | 138 | 10.90 |
| 0710292 | 139 | 48.70 |
| 0710297 | 140 | 4.50 |
| 0710367 | 138 | 8.50 |
| 0710368 | 138 | 8.50 |
| 0710397 | 140 | 6.10 |
| 0710467 | 138 | 8.50 |
| 0710468 | 138 | 8.50 |
| 0710497 | 140 | 6.10 |
| 0712121 | 134 | 149.00 |
| 0712124 | 134 | 182.00 |
| 0715101 | 141 | 77.00 |
| 0715103 | 141 | 86.00 |
| 0715201 | 141 | 121.00 |
| 0715303 | 141 | 108.00 |
| 0715305 | 141 | 103.00 |
| 0715307 | 141 | 154.00 |
| 0715903 | 141 | 11.60 |
| 0715907 | 141 | 11.60 |
| 0715915 | 141 | 16.20 |



Marked ▪ = excess length/excess weight  Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0715917 | 141 | 12.80 |
| 0715919 | 141 | 12.80 |
| 0715921 | 141 | 17.90 |
| 0715922 | 141 | 13.50 |
| 0715923 | 141 | 13.40 |
| 0715925 | 141 | 16.40 |
| 0715926 | 141 | 12.80 |
| 0715929 | 141 | 12.80 |
| 0715940 | 142 | 2.40 |
| 0715950 | 142 | 24.30 |
| 0715955 | 142 | 15.40 |
| 0716101 | 143 | 134.00 |
| 0716102 | 143 | 196.00 |
| 0716105 | 143 | 176.00 |
| 0716111 | 143 | 259.00 |
| 0716192 | 143 | 57.00 |
| 0716194 | 143 | 70.00 |
| 0716196 | 143 | 90.00 |
| 0718101 | 144 | 48.90 |
| 0718104 | 144 | 102.00 |
| 0718105 | 144 | 115.00 |
| 0718106 | 144 | 175.00 |
| 0718108 | 144 | 150.00 |
| 0718109 | 144 | 172.00 |
| 0718110 | 144 | 192.00 |
| 0718112 | 144 | 97.00 |
| 0718113 | 144 | 111.00 |
| 0718115 | 144 | 115.00 |
| 0720102 | 145 | 153.00 |
| 0720103 | 145 | 218.00 |
| 0721100 | 146 | 491.00 |
| 0721101 | 146 | 491.00 |
| 0721120 | 146 | 509.00 |
| 0721121 | 146 | 509.00 |
| 0721122 | 146 | 509.00 |
| 0721123 | 146 | 509.00 |
| 0721124 | 146 | 526.00 |
| 0721125 | 146 | 526.00 |
| 0721126 | 146 | 526.00 |
| 0721127 | 146 | 526.00 |
| 0721140 | 147 | 139.00 |
| 0721141 | 147 | 491.00 |
| 0721142 | 147 | 491.00 |
| 0721143 | 147 | 491.00 |
| 0721144 | 147 | 491.00 |
| 0721145 | 147 | 491.00 |
| 0721148 | 147 | 748.00 |
| 0721149 | 147 | 748.00 |
| 0721731 | 148 | 526.00 |
| 0721732 | 148 | 526.00 |
| 0721733 | 148 | 526.00 |
| 0721734 | 148 | 526.00 |
| 0721738 | 148 | 670.00 |
| 0721739 | 148 | 670.00 |
| 0721740 | 148 | 925.00 |
| 0721741 | 149 | 526.00 |
| 0721745 | 149 | 670.00 |
| 0721746 | 149 | 670.00 |
| 0721747 | 149 | 925.00 |
| 0721785 | 149 | 140.00 |
| 0721786 | 149 | 140.00 |
| 0724101 | 136 | 46.00 |
| 0724504 | 150 | 895.00 |
| 0724508 | 150 | 870.00 |
| 0724522 | 150 | 1,215.00 |
| 0724530 | 150 | 2,675.00 |
| 0724904 | 150 | 750.00 |
| 0724908 | 150 | 775.00 |
| 0724922 | 150 | 895.00 |
| 0724930 | 150 | 1,180.00 |
| 0726122 | 151 | 143.00 |
| 0726123 | 151 | 131.00 |
| 0726124 | 151 | 124.00 |
| 0726130 | 151 | 227.00 |
| 0726300 | 151 | 292.00 |
| 0726301 | 151 | 293.00 |
| 0726302 | 151 | 930.00 |
| 0726303 | 151 | 660.00 |
| 0726304 | 151 | 410.00 |
| 0726305 | 151 | 504.00 |
| 0726306 | 151 | 327.00 |
| 0726310 | 151 | 665.00 |
| 0726311 | 151 | 681.00 |
| 0726312 | 151 | 1,081.00 |
| 0726313 | 151 | 779.00 |
| 0726500 | 151 | 670.00 |
| 0726501 | 151 | 956.00 |
| 0726502 | 151 | 1,486.00 |
| 0726510 | 151 | 1,018.00 |
| 0726511 | 151 | 971.00 |
| 0726512 | 151 | 1,818.00 |
| 0726513 | 151 | 1,122.00 |
| 0728105 | 152 | 379.00 |
| 0728106 | 152 | 369.00 |
| 0728107 | 152 | 421.00 |
| 0728108 | 152 | 587.00 |
| 0728109 | 152 | 847.00 |
| 0728110 | 152 | 2,000.00 |
| 0728201 | 152 | 966.00 |
| 0728202 | 152 | 691.00 |
| 0728203 | 152 | 644.00 |
| 0728204 | 152 | 447.00 |
| 0728205 | 152 | 452.00 |
| 0728206 | 152 | 431.00 |
| 0728207 | 152 | 504.00 |
| 0728208 | 152 | 655.00 |
| 0728209 | 152 | 868.00 |
| 0728210 | 152 | 2,047.00 |
| 0728910 | 152 | 1,195.00 |
| 0728915 | 152 | 1,184.00 |
| 0728920 | 152 | 1,714.00 |
| 0735101 | 153 | 392.00 |
| 0735102 | 153 | 353.00 |
| 0735103 | 153 | 410.00 |
| 0735902 | 153 | 179.00 |
| 0736101 | 153 | 904.00 |
| 0736102 | 153 | 975.00 |
| 0736103 | 153 | 1,044.00 |
| 0737101 | 154 | 880.00 |
| 0737121 | 154 | 87.00 |
| 0737122 | 154 | 87.00 |
| 0737123 | 154 | 87.00 |
| 0737124 | 154 | 87.00 |
| 0739102 | 155 | 1,708.00 |
| 0739121 | 157 | 87.00 |
| 0739122 | 157 | 99.00 |
| 0739123 | 157 | 90.00 |
| 0739124 | 156 | 103.00 |
| 0739125 | 156 | 107.00 |
| 0739126 | 156 | 61.00 |
| 0739127 | 156 | 98.00 |
| 0739128 | 156 | 61.00 |
| 0739129 | 156 | 118.00 |
| 0739130 | 156 | 99.00 |
| 0739131 | 156 | 107.00 |
| 0739132 | 156 | 142.00 |
| 0739164 | 157 | 37.00 |
| 0739165 | 157 | 45.70 |
| 0739170 | 157 | 183.00 |
| 0741101 | 159 | 1,787.00 |
| 0741112 | 159 | 249.00 |
| 0741114 | 159 | 264.00 |
| 0741116 | 159 | 403.00 |
| 0741122 | 162 | 259.00 |
| 0741124 | 162 | 311.00 |
| 0741132 | 162 | 84.00 |
| 0741134 | 163 | 146.00 |
| 0741136 | 162 | 241.00 |
| 0741140 | 161 | 184.00 |
| 0741141 | 161 | 104.00 |
| 0741142 | 161 | 104.00 |
| 0741143 | 161 | 104.00 |
| 0741144 | 161 | 104.00 |
| 0741145 | 161 | 104.00 |
| 0741146 | 161 | 104.00 |
| 0741147 | 161 | 104.00 |
| 0741148 | 161 | 104.00 |
| 0741149 | 161 | 104.00 |
| 0741163 | 161 | 210.00 |
| 0741164 | 161 | 210.00 |
| 0741165 | 161 | 210.00 |
| 0741166 | 161 | 210.00 |
| 0741167 | 161 | 210.00 |
| 0741168 | 161 | 210.00 |
| 0741170 | 159 | 164.00 |
| 0741172 | 161 | 196.00 |
| 0741174 | 161 | 160.00 |
| 0741176 | 160 | 110.00 |
| 0741178 | 160 | 110.00 |
| 0741179 | 160 | 110.00 |
| 0741180 | 160 | 110.00 |
| 0741182 | 160 | 183.00 |
| 0741184 | 163 | 623.00 |
| 0750101 | 165 | 134.00 |
| 0750102 | 165 | 179.00 |
| 0750111 | 165 | 57.00 |
| 0750112 | 165 | 105.00 |
| 0750121 | 165 | 82.00 |
| 0750122 | 165 | 92.00 |
| 0750601 | 165 | 24.10 |
| 0751103 | 166 | 113.00 |
| 0751104 | 166 | 132.00 |
| 0752101 | 167 | 138.00 |
| 0752103 | 167 | 177.00 |
| 0753110 | 164 | 23.90 |
| 0753120 | 164 | 59.00 |
| 0754101 | 166 | 95.00 |
| 0756101 | 167 | 57.00 |
| 0763100 | 170 | 268.00 |
| 0770102 | 168 | 169.00 |
| 0770103 | 168 | 214.00 |
| 0770201 | 168 | 216.00 |
| 0770205 | 168 | 335.00 |
| 0772024 | 169 | 728.00 |
| 0780001 | 173 | 361.00 |
| 0780002 | 173 | 400.00 |
| 0780003 | 173 | 623.00 |
| 0780021 | 172 | 84.00 |
| 0780023 | 172 | 128.00 |
| 0780032 | 173 | 155.00 |
| 0780033 | 173 | 222.00 |
| 0780042 | 173 | 185.00 |
| 0780043 | 173 | 250.00 |
| 0780072 | 172 | 101.00 |
| 0780073 | 172 | 177.00 |
| 0780074 | 172 | 203.00 |
| 0780091 | 173 | 365.00 |
| 0780092 | 173 | 410.00 |
| 0780093 | 173 | 844.00 |
| 0780094 | 173 | 872.00 |
| 0780101 | 171 | 581.00 |
| 0780102 | 171 | 737.00 |
| 0780104 | 171 | 664.00 |
| 0780105 | 171 | 756.00 |
| 0780107 | 171 | 1,904.00 |
| 0780108 | 171 | 2,123.00 |
| 0780141 | 172 | 2,031.00 |
| 0780142 | 172 | 2,298.00 |
| 0782160 | 174 | 678.00 |
| 0782181 | 174 | 216.00 |
| 0782191 | 174 | 1,125.00 |
| 0783012 | 174 | 3,402.00 |
| 0783070 | 174 | 284.00 |
| 0784108 | 175 | 2,976.00 |
| 0785108 | 169 | 613.00 |
| 0785109 | 169 | 1,502.00 |
| 0785110 | 169 | 1,727.00 |
| 0788104 | 176 | 1,085.00 |
| 0788180 | 176 | 220.00 |
| 0788904 | 177 | 864.00 |
| 0788980 | 177 | 70.00 |
| 0788990 | 177 | 313.00 |
| 0800501 | 86 | 18.10 |
| 0800502 | 86 | 22.00 |

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0800503 | 86 | 25.20 |
| 0800504 | 86 | 29.80 |
| 0800513 | 86 | 106.00 |
| 0806501 | 87 | 32.70 |
| 0806502 | 87 | 35.80 |
| 0806503 | 87 | 39.00 |
| 0806504 | 87 | 42.10 |
| 0806513 | 87 | 154.00 |
| 0806521 | 88 | 44.80 |
| 0806522 | 88 | 71.00 |
| 0806523 | 88 | 87.00 |
| 0806524 | 88 | 101.00 |
| 0806525 | 88 | 137.00 |
| 0806526 | 88 | 154.00 |
| 0806527 | 88 | 171.00 |
| 0806528 | 88 | 188.00 |
| 0806540 | 88 | 264.00 |
| 0806542 | 88 | 581.00 |
| 0807101 | 86 | 54.00 |
| 0810501 | 89 | 248.00 |
| 0810502 | 89 | 262.00 |
| 0810503 | 89 | 275.00 |
| 0810504 | 89 | 292.00 |
| 0815510 | 89 | 261.00 |
| 0815514 | 89 | 275.00 |
| 0815518 | 89 | 344.00 |
| 0815530 | 89 | 296.00 |
| 0815534 | 89 | 437.00 |
| 0815540 | 89 | 483.00 |
| 0816501 | 90 | 312.00 |
| 0816502 | 90 | 352.00 |
| 0816503 | 90 | 406.00 |
| 0816504 | 90 | 464.00 |
| 0816505 | 90 | 528.00 |
| 0816506 | 90 | 596.00 |
| 0816507 | 90 | 842.00 |
| 0816508 | 90 | 889.00 |
| 0816509 | 90 | 944.00 |
| 0816510 | 90 | 1,013.00 |
| 0816511 | 90 | 1,093.00 |
| 0816512 | 90 | 1,170.00 |
| 0817512 | 91 | 1,005.00 |
| 0817514 | 91 | 1,045.00 |
| 0817516 | 91 | 1,170.00 |
| 0817518 | 91 | 1,327.00 |
| 0817520 | 91 | 1,485.00 |
| 0817522 | 91 | 1,647.00 |
| 0817524 | 91 | 1,813.00 |
| 0817526 | 91 | 2,006.00 |
| 0817528 | 91 | 2,209.00 |
| 0817530 | 91 | 2,417.00 |
| 0817532 | 91 | 2,645.00 |
| 0817534 | 91 | 2,931.00 |
| 0817536 | 91 | 3,128.00 |
| 0817538 | 91 | 4,898.00 |
| 0817540 | 91 | 5,198.00 |
| 0817542 | 91 | 5,593.00 |
| 0817544 | 91 | 5,925.00 |
| 0817546 | 91 | 6,295.00 |
| 0817910 | 91 | 157.00 |
| 0819501 | 92 | 177.00 |
| 0819502 | 92 | 197.00 |
| 0819503 | 92 | 218.00 |
| 0819505 | 92 | 249.00 |
| 0819510 | 92 | 239.00 |
| 0819511 | 92 | 301.00 |
| 0819512 | 92 | 343.00 |
| 0819513 | 92 | 395.00 |
| 0819514 | 92 | 488.00 |
| 0819515 | 92 | 561.00 |
| 0819516 | 92 | 644.00 |
| 0819517 | 92 | 727.00 |
| 0819519 | 92 | 1,351.00 |
| 0819521 | 92 | 1,455.00 |
| 0819523 | 92 | 1,714.00 |
| 0819525 | 92 | 1,969.00 |
| 0819527 | 92 | 2,265.00 |
| 0822301 | 99 | 91.00 |
| 0822302 | 99 | 138.00 |
| 0822303 | 99 | 254.00 |
| 0822304 | 99 | 416.00 |
| 0824302 | 99 | 174.00 |
| 0824303 | 99 | 176.00 |
| 0849501 | 98 | 707.00 |
| 0849502 | 98 | 841.00 |
| 0850511 | 98 | 559.00 |
| 0850512 | 98 | 620.00 |
| 0850514 | 98 | 659.00 |
| 0850516 | 98 | 704.00 |
| 0850518 | 98 | 737.00 |
| 0854301 | 100 | 247.00 |
| 0854302 | 100 | 299.00 |
| 0854303 | 100 | 321.00 |
| 0854304 | 100 | 348.00 |
| 0855301 | 100 | 178.00 |
| 0855302 | 100 | 218.00 |
| 0855303 | 100 | 247.00 |
| 0855304 | 100 | 261.00 |
| 0864321 | 105 | 317.00 |
| 0864322 | 105 | 380.00 |
| 0864323 | 105 | 412.00 |
| 0864324 | 105 | 447.00 |
| 0864325 | 105 | 483.00 |
| 0864326 | 105 | 517.00 |
| 0864327 | 105 | 556.00 |
| 0864328 | 105 | 594.00 |
| 0870301 | 102 | 295.00 |
| 0870302 | 102 | 308.00 |
| 0870303 | 102 | 331.00 |
| 0870304 | 102 | 362.00 |
| 0870305 | 102 | 396.00 |
| 0870306 | 102 | 431.00 |
| 0870307 | 102 | 614.00 |
| 0870309 | 102 | 671.00 |
| 0870311 | 102 | 738.00 |
| 0870801 | 104 | 70.00 |
| 0870802 | 104 | 71.00 |
| 0870803 | 104 | 72.00 |
| 0870804 | 104 | 73.00 |
| 0870805 | 104 | 74.00 |
| 0870807 | 104 | 82.00 |
| 0870809 | 104 | 92.00 |
| 0870811 | 104 | 102.00 |
| 0870821 | 104 | 70.00 |
| 0870822 | 104 | 71.00 |
| 0870823 | 104 | 72.00 |
| 0870824 | 104 | 77.00 |
| 0870825 | 104 | 78.00 |
| 0870827 | 104 | 89.00 |
| 0870829 | 104 | 103.00 |
| 0870831 | 104 | 117.00 |
| 0870841 | 104 | 153.00 |
| 0870842 | 104 | 157.00 |
| 0870843 | 104 | 161.00 |
| 0870844 | 104 | 168.00 |
| 0870845 | 104 | 182.00 |
| 0870847 | 104 | 217.00 |
| 0870849 | 104 | 265.00 |
| 0870851 | 104 | 324.00 |
| 0870901 | 103 | 111.00 |
| 0870903 | 103 | 96.00 |
| 0870905 | 103 | 96.00 |
| 0870907 | 103 | 96.00 |
| 0870909 | 103 | 96.00 |
| 0870911 | 103 | 111.00 |
| 0870921 | 103 | 121.00 |
| 0870923 | 103 | 105.00 |
| 0870925 | 103 | 105.00 |
| 0870927 | 103 | 105.00 |
| 0870929 | 103 | 105.00 |
| 0870931 | 103 | 105.00 |
| 0870933 | 103 | 121.00 |
| 0870941 | 103 | 285.00 |
| 0870943 | 103 | 207.00 |
| 0870945 | 103 | 182.00 |
| 0870947 | 103 | 182.00 |
| 0870949 | 103 | 182.00 |
| 0870951 | 103 | 182.00 |
| 0870953 | 103 | 207.00 |
| 0870955 | 103 | 285.00 |
| 0882300 | 119 | 263.00 |
| 0882301 | 119 | 286.00 |
| 0882303 | 119 | 314.00 |
| 0882304 | 119 | 368.00 |
| 0882306 | 119 | 592.00 |
| 0884501 | 107 | 794.00 |
| 0885501 | 107 | 176.00 |
| 0885502 | 107 | 195.00 |
| 0885503 | 107 | 204.00 |
| 0885504 | 107 | 245.00 |
| 0885505 | 107 | 311.00 |
| 0885506 | 107 | 359.00 |
| 0885507 | 107 | 457.00 |
| 0885508 | 107 | 518.00 |
| 0886503 | 119 | 23.40 |
| 0886505 | 119 | 27.00 |
| 0886507 | 119 | 23.40 |
| 0886513 | 119 | 41.60 |
| 0888101 | 108 | 49.00 |
| 0888501 | 108 | 154.00 |
| 0888502 | 108 | 154.00 |
| 0888503 | 108 | 154.00 |
| 0888504 | 108 | 160.00 |
| 0888505 | 108 | 166.00 |
| 0888506 | 108 | 185.00 |
| 0888507 | 108 | 190.00 |
| 0888508 | 108 | 197.00 |
| 0888509 | 108 | 204.00 |
| 0888510 | 108 | 210.00 |
| 0888511 | 108 | 216.00 |
| 0888512 | 108 | 224.00 |
| 0888513 | 108 | 232.00 |
| 0888514 | 108 | 241.00 |
| 0888515 | 108 | 247.00 |
| 0888516 | 108 | 257.00 |
| 0888517 | 108 | 263.00 |
| 0888518 | 108 | 273.00 |
| 0888519 | 108 | 281.00 |
| 0888520 | 108 | 288.00 |
| 0888521 | 108 | 295.00 |
| 0890511 | 106 | 66.00 |
| 0892332 | 109 | 71.00 |
| 0892333 | 109 | 72.00 |
| 0892334 | 109 | 80.00 |
| 0892336 | 109 | 98.00 |
| 0892339 | 109 | 130.00 |
| 0892340 | 109 | 182.00 |
| 0892501 | 109 | 376.00 |
| 0892502 | 109 | 461.00 |
| 0892503 | 109 | 568.00 |
| 0892504 | 109 | 716.00 |
| 0892505 | 109 | 909.00 |
| 0894504 | 110 | 224.00 |
| 0894510 | 110 | 595.00 |
| 0894514 | 110 | 802.00 |
| 0894518 | 110 | 1,036.00 |
| 0894522 | 110 | 1,276.00 |
| 0894526 | 110 | 1,313.00 |
| 0894530 | 110 | 1,540.00 |
| 0894534 | 110 | 1,582.00 |
| 0894538 | 110 | 2,761.00 |
| 0894542 | 110 | 3,601.00 |
| 0894546 | 110 | 4,470.00 |
| 0894550 | 110 | 5,311.00 |
| 0894554 | 110 | 6,152.00 |
| 0894804 | 110 | 160.00 |
| 0894806 | 110 | 182.00 |
| 0894810 | 110 | 197.00 |
| 0894820 | 110 | 217.00 |
| 0894834 | 110 | 247.00 |
| 0894854 | 110 | 811.00 |
| 0894872 | 110 | 842.00 |
| 0898101 | 101 | 10.90 |
| 0898102 | 101 | 18.30 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards

# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 0898103 | 101 | 21.70 |
| 0898104 | 101 | 24.80 |
| 0898105 | 101 | 28.70 |
| 0898106 | 101 | 40.60 |
| 0898107 | 101 | 45.40 |
| 0898108 | 101 | 50.00 |
| 0898109 | 101 | 55.00 |
| 0898110 | 101 | 60.00 |
| 0898111 | 101 | 64.00 |
| 0898112 | 101 | 80.00 |
| 0898113 | 101 | 86.00 |
| 0898114 | 101 | 92.00 |
| 0898115 | 101 | 98.00 |
| 0898116 | 101 | 105.00 |
| 0898117 | 101 | 111.00 |
| 0898118 | 101 | 117.00 |
| 0898119 | 101 | 123.00 |
| 0898120 | 101 | 130.00 |
| 0898121 | 101 | 136.00 |
| 0898122 | 101 | 143.00 |
| 0898123 | 101 | 150.00 |
| 0898124 | 101 | 157.00 |
| 0898125 | 101 | 164.00 |
| 0898126 | 101 | 170.00 |
| 0898127 | 101 | 177.00 |
| 0898128 | 101 | 184.00 |
| 0898129 | 101 | 191.00 |
| 0898130 | 101 | 198.00 |
| 0898131 | 101 | 205.00 |
| 0898132 | 101 | 212.00 |
| 0898133 | 101 | 217.00 |
| 0898134 | 101 | 224.00 |
| 0898135 | 101 | 232.00 |
| 0898136 | 101 | 239.00 |
| 0898137 | 101 | 245.00 |
| 0898138 | 101 | 252.00 |
| 0898139 | 101 | 260.00 |
| 0898140 | 101 | 266.00 |
| 0898142 | 101 | 278.00 |
| 0898146 | 101 | 305.00 |
| 0898150 | 101 | 335.00 |
| 0898154 | 101 | 361.00 |
| 0898158 | 101 | 389.00 |
| 0898162 | 101 | 623.00 |
| 0898166 | 101 | 654.00 |
| 0898170 | 101 | 684.00 |
| 0898174 | 101 | 714.00 |
| 0898178 | 101 | 743.00 |
| 0912501 | 93 | 78.00 |
| 0912502 | 93 | 88.00 |
| 0912503 | 93 | 101.00 |
| 0912504 | 93 | 115.00 |
| 0912505 | 93 | 127.00 |
| 0912506 | 93 | 139.00 |
| 0912507 | 93 | 150.00 |
| 0912508 | 93 | 161.00 |
| 0912521 | 93 | 417.00 |
| 0932701 | 97 | 473.00 |
| 0932702 | 97 | 551.00 |
| 0932703 | 97 | 623.00 |
| 0932704 | 97 | 675.00 |
| 0932705 | 97 | 727.00 |
| 0932706 | 97 | 779.00 |
| 0932707 | 97 | 831.00 |
| 0932708 | 97 | 935.00 |
| 0932731 | 97 | 603.00 |
| 0932732 | 97 | 623.00 |
| 0932733 | 97 | 675.00 |
| 0932734 | 97 | 727.00 |
| 0933701 | 105 | 779.00 |
| 0933702 | 105 | 857.00 |
| 0933703 | 105 | 909.00 |
| 0933704 | 105 | 961.00 |
| 0933705 | 105 | 1,013.00 |
| 0933706 | 105 | 1,065.00 |
| 0933707 | 105 | 1,117.00 |
| 0933708 | 105 | 1,195.00 |
| 0940816 | 111 | 835.00 |
| 0940823 | 111 | 1,195.00 |
| 0940829 | 111 | 1,360.00 |
| 0940833 | 111 | 1,530.00 |
| 0940839 | 111 | 1,750.00 |
| 0940891 | 111 | 129.00 |
| 0940892 | 111 | 145.00 |
| 0940893 | 111 | 179.00 |
| 0940894 | 111 | 219.00 |
| 0940895 | 111 | 295.00 |
| 0940896 | 111 | 895.00 |
| 0996701 | 280 | 74.00 |
| 0996705 | 280 | 141.00 |
| 0997770 | 281 | 241.00 |
| 0997772 | 281 | 241.00 |
| 0997774 | 281 | 294.00 |
| 0997778 | 281 | 791.00 |
| 1271451 | 75 | 85.00 |
| 1271452 | 75 | 99.00 |
| 1271455 | 75 | 57.00 |
| 1276591 | 76 | 18.00 |
| 1278912 | 81 | 109.00 |
| 1278916 | 81 | 109.00 |
| 1278920 | 81 | 109.00 |
| 1278923 | 81 | 27.00 |
| 1278924 | 81 | 27.00 |
| 1278930 | 81 | 396.00 |
| 1278936 | 81 | 27.00 |
| 1278938 | 81 | 27.00 |
| 1278940 | 81 | 27.00 |
| 1278942 | 81 | 27.00 |
| 1278944 | 81 | 27.00 |
| 1278946 | 81 | 27.00 |
| 1278948 | 81 | 27.00 |
| 1278950 | 81 | 27.00 |
| 1278952 | 81 | 27.00 |
| 1278954 | 81 | 27.00 |
| 1278956 | 81 | 27.00 |
| 1278958 | 81 | 27.00 |
| 1278960 | 81 | 27.00 |
| 1278962 | 81 | 27.00 |
| 1279780 | 78 | 109.00 |
| 1279781 | 78 | 109.00 |
| 1279782 | 78 | 109.00 |
| 1279783 | 78 | 109.00 |
| 1279784 | 78 | 109.00 |
| 1279785 | 78 | 109.00 |
| 1320416 | 25 | 109.00 |
| 1320417 | 25 | 109.00 |
| 1320516 | 25 | 142.00 |
| 1320517 | 25 | 142.00 |
| 1320518 | 25 | 384.00 |
| 1320519 | 25 | 179.00 |
| 1320522 | 25 | 230.00 |
| 1322516 | 27 | 203.00 |
| 1326416 | 26 | 158.00 |
| 1326417 | 26 | 158.00 |
| 1326418 | 26 | 219.00 |
| 1326422 | 26 | 277.00 |
| 1326516 | 27 | 158.00 |
| 1326517 | 27 | 158.00 |
| 1326518 | 27 | 231.00 |
| 1326904 | 34 | 550.00 |
| 1326906 | 35 | 545.00 |
| 1326908 | 34 | 469.00 |
| 1326910 | 35 | 539.00 |
| 1326912 | 31 | 307.00 |
| 1326914 | 26 | 329.00 |
| 1326916 | 32 | 380.00 |
| 1326918 | 30 | 483.00 |
| 1326920 | 31 | 523.00 |
| 1326922 | 32 | 429.00 |
| 1326924 | 33 | 425.00 |
| 1326928 | 33 | 457.00 |
| 1326930 | 30 | 627.00 |
| 1326932 | 29 | 352.00 |
| 1330522 | 46 | 384.00 |
| 1330528 | 46 | 583.00 |
| 1330532 | 46 | 952.00 |
| 1330534 | 46 | 1,152.00 |
| 1331522 | 46 | 443.00 |
| 1331528 | 46 | 654.00 |
| 1331532 | 46 | 1,007.00 |
| 1331534 | 46 | 1,157.00 |
| 1334522 | 47 | 354.00 |
| 1334528 | 47 | 497.00 |
| 1334532 | 47 | 869.00 |
| 1334534 | 47 | 1,028.00 |
| 1335522 | 47 | 405.00 |
| 1335528 | 47 | 572.00 |
| 1335532 | 47 | 934.00 |
| 1335534 | 47 | 1,073.00 |
| 1338522 | 53 | 456.00 |
| 1340522 | 48 | 414.00 |
| 1340528 | 48 | 789.00 |
| 1340532 | 48 | 1,065.00 |
| 1340534 | 48 | 1,310.00 |
| 1341522 | 48 | 468.00 |
| 1341528 | 48 | 843.00 |
| 1341532 | 48 | 1,118.00 |
| 1341534 | 48 | 1,363.00 |
| 1342522 | 49 | 380.00 |
| 1342528 | 49 | 702.00 |
| 1342532 | 49 | 971.00 |
| 1342534 | 49 | 1,208.00 |
| 1343522 | 49 | 434.00 |
| 1343528 | 49 | 756.00 |
| 1343532 | 49 | 1,025.00 |
| 1343534 | 49 | 1,261.00 |
| 1348722 | 56 | 583.00 |
| 1348728 | 56 | 747.00 |
| 1351522 | 52 | 532.00 |
| 1351528 | 52 | 688.00 |
| 1351622 | 52 | 567.00 |
| 1351628 | 52 | 752.00 |
| 1351920 | 55 | 479.00 |
| 1352516 | 61 | 372.00 |
| 1352517 | 61 | 419.00 |
| 1352518 | 61 | 768.00 |
| 1352520 | 61 | 864.00 |
| 1352522 | 61 | 901.00 |
| 1353522 | 59 | 471.00 |
| 1354520 | 55 | 566.00 |
| 1360716 | 69 | 316.00 |
| 1360718 | 69 | 358.00 |
| 1360722 | 69 | 402.00 |
| 1360728 | 69 | 462.00 |
| 1360734 | 69 | 1,315.00 |
| 1360738 | 69 | 2,006.00 |
| 1360740 | 69 | 2,381.00 |
| 1362722 | 70 | 412.00 |
| 1362728 | 70 | 479.00 |
| 1364722 | 71 | 390.00 |
| 1364728 | 71 | 434.00 |
| 1366718 | 72 | 405.00 |
| 1366722 | 72 | 489.00 |
| 1366728 | 72 | 616.00 |
| 1368722 | 73 | 412.00 |
| 1368728 | 73 | 469.00 |
| 1371416 | 75 | 372.00 |
| 1371418 | 75 | 409.00 |
| 1371422 | 75 | 456.00 |
| 1371428 | 75 | 525.00 |
| 1375502 | 79 | 239.00 |
| 1376514 | 76 | 496.00 |
| 1378505 | 80 | 756.00 |
| 1378508 | 80 | 814.00 |
| 1379722 | 77 | 636.00 |
| 1379728 | 77 | 877.00 |
| 1722502 | 123 | 138.00 |
| 1723502 | 123 | 174.00 |
| 1724502 | 123 | 284.00 |
| 1726502 | 123 | 331.00 |
| 1726506 | 123 | 365.00 |
| 1726510 | 123 | 642.00 |
| 1726514 | 123 | 795.00 |
| 1728502 | 123 | 277.00 |

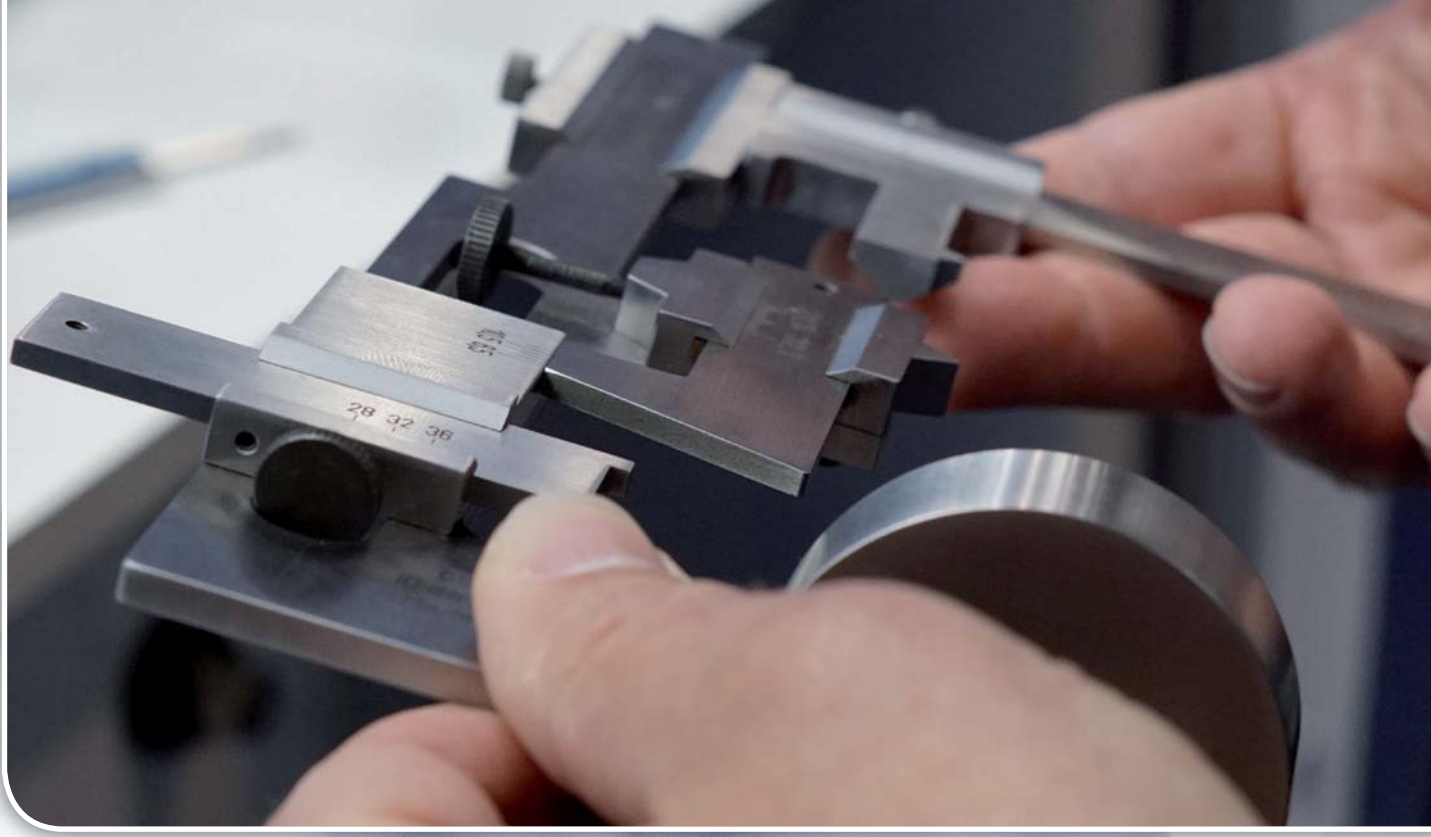
# Order number index

| Ref. No. | Page | List price € |
|---|---|---|
| 1728506 | 123 | 353.00 |
| 1728510 | 123 | 576.00 |
| 1728514 | 123 | 737.00 |
| 1730502 | 122 | 367.00 |
| 1730506 | 122 | 414.00 |
| 1732502 | 122 | 310.00 |
| 1732506 | 122 | 391.00 |
| 1734502 | 122 | 381.00 |
| 1734506 | 122 | 437.00 |
| 1734522 | 126 | 494.00 |
| 1739910 | 123 | 38.40 |
| 1739920 | 122 | 14.30 |
| 1866210 | 96 | 169.00 |
| 1866410 | 94 | 199.00 |
| 1866413 | 94 | 259.00 |
| 1866417 | 94 | 329.00 |
| 1866420 | 94 | 375.00 |
| 1920574 | 113 | 1,081.00 |
| 1920576 | 113 | 758.00 |
| 1920578 | 113 | 1,870.00 |
| 1920580 | 113 | 2,234.00 |
| 1920910 | 113 / 118 | 88.00 |
| 1920914 | 113 / 118 | 94.00 |
| 1920920 | 113 / 118 | 99.00 |
| 1920924 | 113 / 118 | 119.00 |
| 1921510 | 112 | 384.00 |
| 1921512 | 112 | 384.00 |
| 1921514 | 112 | 384.00 |
| 1921516 | 112 | 384.00 |
| 1921518 | 112 | 405.00 |
| 1921520 | 112 | 416.00 |
| 1921522 | 112 | 421.00 |
| 1921524 | 112 | 473.00 |
| 1921526 | 112 | 473.00 |
| 1921528 | 112 | 545.00 |
| 1921530 | 112 | 561.00 |
| 1921532 | 112 | 577.00 |
| 1921534 | 112 | 592.00 |
| 1921536 | 112 | 831.00 |
| 1921538 | 112 | 982.00 |
| 1921540 | 112 | 1,034.00 |
| 1921542 | 112 | 1,091.00 |
| 1922510 | 118 | 290.00 |
| 1922512 | 118 | 290.00 |
| 1922514 | 118 | 295.00 |
| 1922516 | 118 | 295.00 |
| 1922518 | 118 | 305.00 |
| 1922520 | 118 | 315.00 |
| 1922522 | 118 | 325.00 |
| 1922524 | 118 | 365.00 |
| 1922526 | 118 | 365.00 |
| 1922528 | 118 | 435.00 |
| 1922530 | 118 | 445.00 |
| 1922532 | 118 | 460.00 |
| 1922534 | 118 | 475.00 |
| 1922536 | 118 | 695.00 |
| 1922538 | 118 | 845.00 |
| 1922540 | 118 | 915.00 |
| 1922542 | 118 | 945.00 |
| 1923100 | 115 | 765.00 |
| 1923200 | 115 | 765.00 |
| 1923300 | 115 | 765.00 |
| 1923510 | 114 | 1,055.00 |
| 1923512 | 114 | 1,055.00 |
| 1923514 | 114 | 1,065.00 |
| 1923516 | 114 | 1,065.00 |
| 1923518 | 114 | 1,110.00 |
| 1923520 | 114 | 1,130.00 |
| 1923522 | 114 | 1,140.00 |
| 1923524 | 114 | 1,190.00 |
| 1923526 | 114 | 1,195.00 |
| 1923528 | 114 | 1,285.00 |
| 1923530 | 114 | 1,315.00 |
| 1923532 | 114 | 1,345.00 |
| 1923534 | 114 | 1,395.00 |
| 1923536 | 114 | 1,695.00 |
| 1923538 | 114 | 1,895.00 |
| 1923540 | 114 | 2,040.00 |
| 1923542 | 114 | 2,215.00 |
| 1923574 | 115 | 1,700.00 |
| 1923576 | 115 | 1,500.00 |
| 1923578 | 115 | 2,200.00 |
| 1923580 | 115 | 2,700.00 |
| 1924100 | 117 | 480.00 |
| 1924200 | 117 | 480.00 |
| 1924300 | 117 | 560.00 |
| 1924510 | 116 | 785.00 |
| 1924512 | 116 | 785.00 |
| 1924514 | 116 | 795.00 |
| 1924516 | 116 | 805.00 |
| 1924518 | 116 | 835.00 |
| 1924520 | 116 | 835.00 |
| 1924522 | 116 | 865.00 |
| 1924524 | 116 | 910.00 |
| 1924526 | 116 | 915.00 |
| 1924528 | 116 | 995.00 |
| 1924530 | 116 | 1,035.00 |
| 1924532 | 116 | 1,070.00 |
| 1924534 | 116 | 1,120.00 |
| 1924536 | 116 | 1,380.00 |
| 1924538 | 116 | 1,590.00 |
| 1924540 | 116 | 1,700.00 |
| 1924542 | 116 | 1,900.00 |
| 1924574 | 117 | 1,400.00 |
| 1924576 | 117 | 1,200.00 |
| 1924578 | 117 | 2,000.00 |
| 1924580 | 117 | 2,600.00 |
| 1997501 | 278 | 48.00 |
| 1998501 | 278 | 61.00 |
| 1998710 | 278 | 231.00 |
| 1998712 | 278 | 58.00 |
| 1998720 | 278 | 69.00 |
| 1998722 | 280 | 58.00 |
| 1998730 | 280 | 115.00 |
| 1998732 | 280 | 69.00 |
| 1998740 | 280 | 97.00 |
| 1998742 | 280 | 348.00 |
| 1998744 | 280 | 348.00 |
| 1998746 | 280 | 477.00 |
| 1998748 | 280 | 477.00 |
| 1998750 | 280 | 130.00 |
| 1998760 | 193 | 141.00 |
| 1998770 | 123 | 5.70 |
| 1998780 | 279 | 97.00 |
| 4310110 | 284 | 11.50 |
| 4310115 | 284 | 20.60 |
| 4310120 | 284 | 34.80 |
| 4310125 | 284 | 74.00 |
| 4310130 | 284 | 102.00 |
| 4310135 | 284 | 159.00 |
| 4320210 | 284 | 19.60 |
| 4320212 | 284 | 26.40 |
| 4320214 | 284 | 28.70 |
| 4320220 | 284 | 31.80 |
| 4320224 | 284 | 35.10 |
| 4320228 | 284 | 58.00 |
| 4320810 | 284 | 123.00 |
| 4320814 | 284 | 175.00 |
| 4320818 | 284 | 187.00 |
| 4320822 | 284 | 192.00 |
| 4320826 | 284 | 192.00 |
| 4320830 | 284 | 192.00 |
| 4320834 | 284 | 245.00 |
| 4320838 | 284 | 245.00 |
| 4320842 | 284 | 245.00 |
| 4320846 | 284 | 245.00 |
| 4320850 | 284 | 291.00 |
| 4320854 | 284 | 291.00 |
| 4320858 | 284 | 347.00 |
| 4320862 | 284 | 347.00 |
| 4320866 | 284 | 347.00 |
| 4329010 | 284 | 7.00 |
| 4329026 | 284 | 16.00 |
| 4329046 | 284 | 32.00 |
| 4340210 | 284 | 15.00 |
| 4340214 | 284 | 16.50 |
| 4340218 | 284 | 24.30 |
| 4340222 | 284 | 41.60 |
| 4340226 | 284 | 49.60 |
| 4340230 | 284 | 74.00 |
| 4342410 | 284 | 11.50 |
| 4342610 | 284 | 26.40 |
| 4350210 | 284 | 30.10 |
| 4350218 | 284 | 49.20 |
| 4350226 | 284 | 74.00 |
| 4350232 | 284 | 96.00 |
| 4350238 | 284 | 134.00 |
| 4351610 | 285 | 25.10 |
| 4351618 | 285 | 59.00 |
| 4351628 | 285 | 87.00 |
| 4351638 | 285 | 111.00 |
| 4352412 | 285 | 14.30 |
| 4352418 | 285 | 22.70 |
| 4352422 | 285 | 43.00 |
| 4353410 | 285 | 52.00 |
| 4353510 | 285 | 73.00 |
| 4357010 | 285 | 10.80 |
| 4357020 | 285 | 31.80 |
| 4357610 | 285 | 11.00 |
| 4357620 | 285 | 18.70 |
| 4358410 | 285 | 16.50 |
| 4358420 | 285 | 29.10 |
| 4358810 | 285 | 18.70 |
| 4359210 | 285 | 23.80 |
| 4359410 | 285 | 30.40 |
| 4360210 | 285 | 24.30 |
| 4360212 | 285 | 34.80 |
| 4360214 | 285 | 39.50 |
| 4360218 | 285 | 51.00 |
| 4360810 | 285 | 33.70 |
| 019650105 | 16 | 24.10 |
| 019650116 | 16 | 24.10 |
| 019650516 | 16 | 34.50 |
| 026552005 | 45 | 259.00 |
| 026652005 | 45 | 347.00 |
| 132641660 | 24 | 218.00 |
| 132641760 | 24 | 218.00 |
| 132641860 | 24 | 279.00 |
| 132642260 | 24 | 337.00 |
| 137141660 | 74 | 432.00 |
| 137141860 | 74 | 459.00 |
| 137142260 | 74 | 516.00 |
| 137142860 | 74 | 585.00 |
| 172650260 | 127 | 391.00 |
| 172650660 | 127 | 425.00 |
| 173450260 | 127 | 441.00 |
| 173450660 | 127 | 497.00 |
| 186641060 | 95 | 259.00 |
| 186641360 | 95 | 319.00 |
| 186641760 | 95 | 389.00 |
| 186642060 | 95 | 435.00 |
| 186642160 | 96 | 1,390.00 |



Marked ▪ = excess length/excess weight

Marked ▪ = includes a F.O.C. calibration certificate, traceable to national standards



# CUSTOM MADE PRODUCTS
## ACCORDING TO CUSTOMER
# SPECIFICATIONS

**This statement is as true for our overall product range as it is for individual items**

such as digital callipers, gauges and external micrometers. Whether universal or special, our options range from small, handy vernier digital pocket callipers to versatile, highly accurate comparators.

**What sets all of our products apart, regardless of variant, is their utmost precision and a very special strength:**

customisation according to your wishes.

**We offer the same quality in all other areas of portable measurement technology,**

including advice from experienced staff, problem solving, training, calibration... There's one thing you can completely rely on: anything displaying the HELIOS-PREISSER logo meets the highest standards. Guaranteed!

# Keyword index


| 0 - 9 | Seite |
|---|---|
| 2/3 point internal micrometers, analogue | 108 - 113 |
| 3 point internal measuring pistol, digital | 116, 117 |
| 3 point internal micrometers, digital | 114, 115 |
| **A** | |
| Acute angle squares 45° | 209 |
| Adjustable squares | 211 |
| Adjustable V-blocks | 235 |
| Alpha square | 210 |
| Aluminium straight edges | 221 |
| Angle lever attachment | 136 |
| Angle normal 90° | 231 |
| **B** | |
| Base stand for inspection plates | 230 |
| Base stand for surface and inspection plates | 231 |
| Batteries for electronic devices | 24, 93, 123 |
| Beam compass | 183, 184 |
| Beam trammel | 183, 184 |
| Bench centres & accessories | 171,172 |
| Bevel protractors | 213-215 |
| Blade micrometers | 100 |
| Box for data input | 281 |
| Brake disc inspection gauges | 60 |
| Brake drum vernier calipers | 60 |
| **C** | |
| Cabinets for measuring and inspection plates | 231 |
| Cable for data transmission | 270, 271, 274 |
| Calibration service | 284, 285 |
| Calipers for 3/5 point measurement | 62 |
| Calipers for external locking grooves, analogue & digital | 59 |
| Calipers for internal grooves, analogue & digital | 61 |
| Calipers with cross points, analogue & digital | 45, 55 |
| Calipers with gripper points analogue & digital | 45, 55 |
| Calipers with integrated Wireless | 24 |
| Calipers, analogue | 14-22, 37-45, 58-64 |
| Calipers, digital | 25-35, 46-56, 59, 61 |
| Carbide gauge block sets | 264 |
| Carpenters squares | 210 |
| Centre points | 260 |
| Centre squares | 207 |
| Ceramic gauge block sets | 256 |
| Chamfer gauge | 63, 244 |
| Combined internal / external calipers | 185 |
| Compact measuring stands | 168 |
| Concentricity measuring gauge with disc supports | 167 |
| Connecting cables for electronic instruments | 270, 271, 274 |
| Contraction vernier calipers | 57, 58 |
| Convertor mm/inch | 242 |
| Crankpin levels | 237 |
| Crankshaft gauges | 153 |
| Cutting gauges | 239, 240 |
| **D** | |
| Data acquisition / data transmission | 278-281 |
| Data cables | 270, 271, 274 |
| DBP weld seam gauge | 243 |
| Depth attachment base for pocket calipers | 26 |
| Depth gauge, digital, with interchangeable inserts | 75 |
| Depth gauges with integrated wireless | 74 |
| Depth gauges, digital | 69-80 |
| Depth measuring base for indicators | 143 |
| Depth micrometers | 119 |
| Depthgauge, digital, for one-hand operation | 80 |
| Dial calipers | 21 |
| Dial comparator gauges »MICROTAST« | 134 |
| Dial depth gauges with a measuring base | 143 |
| Dial gauges, analogue | 129-134 |
| Dial gauges, shockproof | 129-131 |
| Dial gauges, shockproof, error free | 133 |
| Dial gauges, small | 129 |
| Dial gauges, water and oil proof | 131 |
| Dial gauges, with concentric mm-display | 130, 131 |
| Dial gauges, with extended measuring range | 130 |

| D | Seite |
|---|---|
| Dial gauges, with reverse action plunger | 134 |
| Dial micrometers | 98 |
| Dial test indicators and accessories | 141 |
| Dial thickness gauges | 144, 145 |
| Digital pocket calipers | 24-35 |
| Digital pocket calipers for specific measuring tasks | 30-35 |
| Digital pocket calipers IP67 | 26 |
| Digital pocket calipers PRISMA | 27 |
| DIN thread conversion | 241 |
| Disc micrometer to measure gear tooth, analogue & digital | 105 |
| Disc micrometers | 99 |
| Dividers | 181 |
| Double V-blocks | 232-234 |
| Drill and steel wire hole gauges | 246 |
| Duo-Fix pocket vernier caliper | 18 |
| **E** | |
| Extension depth attachment base for depth gauges | 73, 75 |
| Extensions for dial gauges | 136 |
| Extensions measuring tool set for pocket calipers | 28 |
| External caliper gauges, analogue | 146, 147 |
| External caliper gauges, digital | 148, 149 |
| External calipers | 178, 179 |
| **F** | |
| Feeler gauge tapes | 250 |
| Feeler gauge tapes INOX | 251 |
| Feeler gauges | 248, 249 |
| Filetor ISO thread convertor | 241 |
| Flange squares | 207 |
| Flexible steel rules | 220, 221 |
| Frame levels | 238 |
| **G** | |
| Gauge block accessories sets | 258 |
| Gauge block holders | 260 |
| Gauge block inspection sets for micrometers and calipers | 261 |
| Gauge block maintenance set | 260 |
| Gauge blocks | 255-257 |
| Gear tooth calipers | 64 |
| **H** | |
| Height and scribing gauges | 192 |
| Height and scribing gauges, digital | 193, 194 |
| Holder for external micrometers | 86 |
| Holder for feeler gauge tapes | 251 |
| Holder for internal micrometers | 108 |
| **I** | |
| Indicators | 122-128 |
| Indicators with integrated wireless | 127 |
| Inspection plates | 229, 230 |
| Inspection points | 258 |
| Inspection set for micrometers and calipers | 261 |
| Inspection square set | 206 |
| Inspection squares, hardened | 191 |
| Integrated Wireless caliper | 24 |
| Integrated Wireless Indicators | 127 |
| Integrated Wireless micrometers | 94-96 |
| Interchangeable inserts for depth caliper | 78 |
| Interior circumference tapes | 223 |
| Internal caliper gauges, analogue | 139, 140 |
| Internal caliper gauges, digital | 140, 141 |
| Internal calipers | 186, 187 |
| Internal micrometer digital | 111 |
| Internal micrometers with extensions | 190, 110 |
| Internal micrometers with interchangeable extensions | 190, 110 |
| Internal micrometers with measuring jaws | 107 |
| Internal micrometers, cylindrical version | 108 |
| Internal precision bore gauges | 145 |
| i-Stick receiver for intergated wireless | 279 |
| **K** | |
| Knife edge jaws | 259 |
| Knife edge rule | 227 |
| Knife edge squares, hardened | 205 |




mit ▪ gekennzeichnet = Überlänge/Übergewicht

mit ▪ gekennzeichnet = kostenlos kalibriert mit Prüfzertifikat

| L | Seite |
|---|---|
| Lapping and inspection plate | 229 |
| Length measuring instrument for external incisions | 153 |
| Length measuring instrument for internal incisions | 153 |
| Levels | 237 |
| Lightweight workshop calipers, analogue & digital | 44, 54 |
| Lug back | 135 |
| **M** | |
| Magnetic angle gauge | 167 |
| Magnetic back | 167 |
| Magnetic indicator stands with flexible arm | 166 |
| Magnetic measuring and clamping prism | 235 |
| Marking calipers | 188 |
| Marking gauges | 111 |
| Measuring and inspection plates | 229 |
| Measuring heads | 118 |
| Measuring inserts | 137 |
| Measuring stands | 168 |
| Measuring tool set »Extensions« | 28 |
| Measuring tool sets | 28 |
| Micrometers for thread flank measurement | 102 |
| Micrometers for tube wall measurement | 99 |
| Micrometers with integrated wireless | 95 |
| Micrometers with reduced measuring faces | 98 |
| Micrometers, external, analogue | 86 |
| Micrometers, external, digital | 94-97 |
| Micrometers, external, with exchangeable anvils | 91 |
| Micrometers, external, with interchangeable inserts | 92 |
| Milling tool caliper | 62 |
| Mitre squares | 208 |
| Mounting scales, digital | 82 |
| Mounting straight edges | 228 |
| **N** | |
| Nozzle gauges | 245 |
| **P** | |
| Parallel blocks, set | 236 |
| Pattern maker angle | 205 |
| Pin gauge holder | 267 |
| Pin gauges, set | 266 |
| Plane parallel jaws | 259 |
| Plug gauges, individual and set | 266 |
| Pocket calipers | 24-36 |
| Pocket vernier caliper »Duo-Fix« | 18 |
| Pocket vernier caliper »PRISMA« | 18 |
| Pocket vernier caliper, for lefthanded | 19 |
| Pocket vernier calipers | 14-22 |
| Pocket vernier calipers, parallax-free reading | 18 |
| POCKET-TALENT | 29 |
| Precision feeler gauge tapes | 253 |
| Precision reference sheets | 254 |
| PRISMA calipers | 18 |
| Profile gauge | 242 |
| Protractor level | 238 |
| Protractors | 213 - 215 |
| **R** | |
| Radius gauge | 244 |
| Radius gauges, individual | 244 |
| Radiused measuring jaws | 258 |
| Ring gauges | 271 |
| Roller supports for bench centre | 173,177 |
| **S** | |
| Screw pitch gauges | 248 |
| Scribers | 180 |

| S | Seite |
|---|---|
| Set of 3 point internal micrometers, analogue | 113 |
| Set of 3 point internal micrometers, measuring pistol | 117 |
| Set of external micrometers, analogue | 86,87 |
| Setting device for internal precision bore gauges | 152 |
| Setting standards for micrometers | 101 |
| Shaft measuring instruments | 176,177 |
| Sine bars | 232 |
| Sinus rules | 232 |
| Small depth gauge, digital | 79 |
| Snap gauges, adjustable | 269 |
| Snap gauges, double jaw | 269 |
| Software for data acquisition | 278 |
| Spring dividers | 182 |
| Squares with base | 198-202 |
| Squares with hard and slim | 203,204 |
| Squares without base | 198-202 |
| Stand for gaugeblock holders | 260 |
| Steel gauge block, sets | 262 |
| Steel rules | 225,226 |
| Steel rules, flexible | 220,221 |
| Steel scale tapes for circumference and diameter | 223 |
| Steel square | 202 |
| Straight edges with bevelled edge | 224 |
| Surface roughness standards | 252 |
| **T** | |
| Tapered hole gauges | 245 |
| Tapes for circumference and diameter | 223 |
| Thread cutting gauges | 239 |
| Thread flank inserts for external measurement | 103 |
| Thread flank setting standards for external measurement | 104 |
| Thread plug gauges, individual and set | 272 |
| Thread ring gauges, individual and set | 273-275 |
| Tolerator ISO tolerance convertor | 241 |
| Twist drill grinding gauges | 242 |
| Tyre profile depth gauge | 20 |
| **U** | |
| UHRTAST comparator gauge & accesories | 159 |
| Universal bevel protractors, analogue & digital | 216,217 |
| Universal calipers, digital, Pocket-Talent | 29 |
| Universal comparator gauge & accessories | 155 |
| Universal grinding gauge | 243 |
| Universal indicator stands & magnetic base & accessories | 164 |
| Universal magnetic holder | 166,167 |
| Universal measuring support | 165 |
| USB Keyboard interfaces | 281 |
| **V** | |
| V-blocks | 233, 234 |
| Vernier depth gauges | 65-68 |
| **W** | |
| Wall holders with feelergauge tape sets | 250 |
| Welding gauges | 243 |
| Wire thickness micrometer | 106 |
| Wireless data transmission | 279 |
| Wooden cases | 83 |
| Workshop caliper, dial | 44 |
| Workshop calipers, analogue | 37-43 |
| Workshop calipers, analogue, long measuring jaws | 43 |
| Workshop calipers, digital | 46-53 |
| Workshop calipers, digital, »PRISMA« | 53 |
| Workshop calipers, parallax-free reading | 37 |
| **X** | |
| X type V-blocks (parallel) | 233 |

## Notes

## Important notes regarding this catalogue

© by HELIOS-PREISSER, Gammertingen

With this catalogue starting 01.07.2017 all previous sales documentation lose their validity.

All indicated prices exclude the statutory value-added-tax.

We reserve the right to make price changes, alterations to our products, especially due to technical improvements and further developments.

All illustrations and descriptions etc. are valid at the time of going to press.

HELIOS-PREISSER GmbH
Steinbeisstraße 6
D-72501 Gammertingen

00001840 – Version 05/17 EN

HELIOS · PREISSER




www.helios-preisser.de