

ALPA

precision made simple



precision made simple



PRODUCTION

Alpa manufactures machines and measuring instruments for the mechanical industry.

The evolution of the market has led the company to develop technologically intelligent solutions that allow the user to perform all dimensional control operations on machined parts in a simple and intuitive way, standing 3 metres away from the machine tool.



CERTIFICATIONS

The introduction of new technologies and the rising quality level of finished products within the industrial world mean that the focus on measurement processes is increasing.

A measuring instrument cannot do without a calibration certificate. This is why we have invested in setting up an accredited calibration laboratory, thanks to which we are able to perform calibrations on newly supplied instruments or periodic checks on instruments already in use.



SIMPLICITY

Everything we produce has always been designed to increase our customers' productivity by simplifying all types of measurement.

With over 3,000 products in the catalogue, Alpa's offer is the most technological and at the same time the simplest on the European market today.

**The synthesis of all this?
Alpa: precision made simple.**



precision
made
simple

PRODUCTS

Alpa's products are the beating heart of the company and fully embody the concepts of **technology, innovation and simplicity**.

Constant presence on the market has meant that over the years the offer has expanded, adding to the classic bench-top instruments a wide range of measuring machines that today represent the company's core business.

Our engineers are constantly working to produce the latest generation of software, which can also be used by non-specialised technicians and operators, without sacrificing quality and the highest level of precision during measurement operations.

Within the catalogue there are over 3,000 intelligent solutions designed so that they do not require a dedicated metrology room and can therefore be adopted by any machine shop.

All this makes Alpa today the simplest and most complete solution for industrial measurement systems.



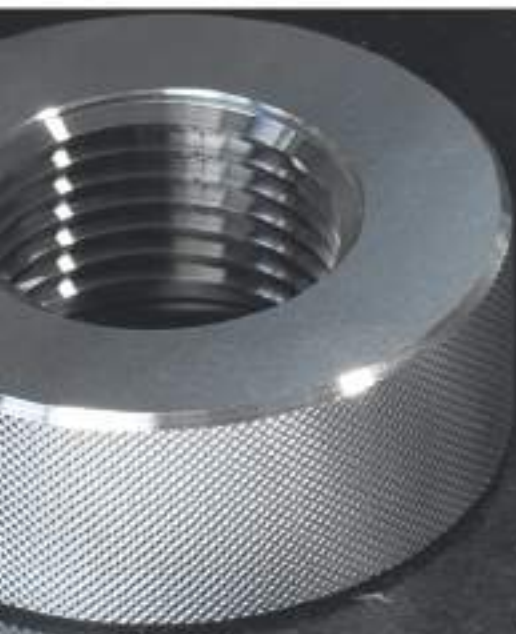


precision



made simple





precision
made
simple

certificato di taratura è emesso in base
mento n. C... "brition che
capacità di r... e taratura
e metrologie e al e ro
delle tarature eseguite a...
internazionali delle un... di misura del
internazionale... Unità (SI) in
ai requisiti... UNI...
7025. L'acc... ar... ril...
i decreti attuativi della legge n. 473/19
stituito il Sistema Nazionale di Taratu

... is issued in



CERTIFICATION

ACCREDIA is the body appointed by the Italian government to certify the competence and impartiality of calibration laboratories.

In order to obtain accreditation, the laboratory must guarantee the traceability of the measurements made through its own internal organisation and for this it is subjected periodically to checks to verify the technical, managerial and metrological skills of its staff, the principles of impartiality and confidentiality, transparency in communications, the traceability of measurements, the relevance of the calibration methods used, the evaluation of uncertainties and the results obtained from ILC experimental comparisons.

Utensil Line, part of the A+B Group and an Alpa partner, has an accredited ACCREDIA Calibration Laboratory No. 00275 for the length, torque and hardness sector (accredited according to UNI EN ISO 17025), thanks to which it is able to calibrate new measuring instruments or those subject to periodic re-calibration with the issue of calibration reports and ACCREDIA calibration certificates.





RE

13

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LOGISTICS

Alpa's entry into the A+B Group has made it possible to fully exploit the advantages of having a single, state-of-the-art, fast, efficient and reliable logistics hub that can handle operations and deliver across Europe within 48 hours of receiving an order.

Every investment is aimed at drastically reducing delivery times to the end customer.

Thanks to our 30,000 square metres of automated warehousing, we are able to process more than 95% of orders within the same day.





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mm

20.5

MODE

SE

CAPITOLO A

CALIBERS

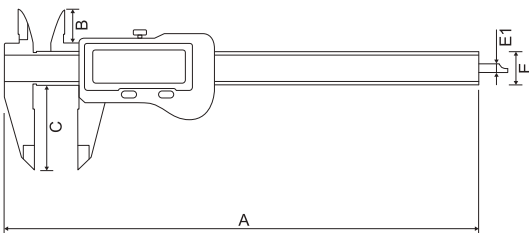


DIGITAL CALIPER IP67 WITH PRESETS

MEGAtry EVO



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | g | Price List Page |
|-------------|-----|----------|------|------|------|------|-----------|-----|-----------------|
| AA014150NDP | ■ | 0 ÷ 150 | 235 | 16 | 40 | 16 | 3,8 x 1,3 | 170 | |
| AA014150NDT | ● | 0 ÷ 150 | 235 | 16 | 40 | 16 | ∅ 1,5 | 170 | |
| AA014200ND | ■ | 0 ÷ 200 | 290 | 19 | 50 | 16 | 3,8 x 1,3 | 200 | |
| AA014300ND | - | 0 ÷ 300 | 388 | 19 | 64 | 16 | - | 270 | |

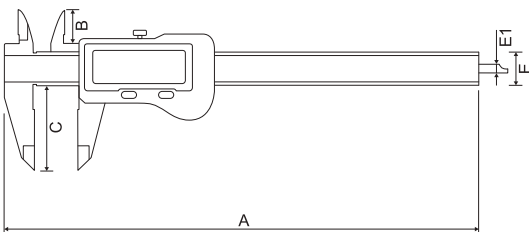


DIGITAL CALIPER IP67 WITH BLUETOOTH® AND PRESETS

S_Cal EVO Smart



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | Price List Page |
|-------------|-----|----------|-------|------|------|----------|---------|-----------------|
| AA013150BTP | ■ | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | 4 x 1,4 | |
| AA013150BTT | ● | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | ∅ 1,5 | |
| AA013200BT | ■ | 0 ÷ 200 | 290,5 | 19 | 50 | 16 x 3,5 | 4 x 1,4 | |
| AA013300BT | - | 0 ÷ 300 | 388 | 19 | 64 | 16 x 4 | - | |



FEATURES

Accuracy ± 0.02 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Auto switch-off after 10 min inactivity.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.

FUNCTIONS

- Preset
- Zero
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC05SET |
| Internal gauges |
| ACC02001 |
| 3V CR2032 battery |
| ACC03001 |
| Depth base |



FEATURES

Accuracy ± 0.02 mm.
Resolution 0.01 mm.
Protection IP67.
Electronics protected against dust and brief immersion in water.
Auto switch-off after 10 min inactivity.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling due to ergonomic shape.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|------------------|
| ACC03001 |
| Depth base |
| BC076BLE |
| Bluetooth device |

DIGITAL CALIPERS IP67

FEATURES

Accuracy ± 0.03 mm.
 Resolution 0.01 mm.
 Protection IP67.
 Electronics protected against dust and brief immersion in water.
 Hardened stainless steel construction.
 Slide with locking screw.

FUNCTIONS

- Zero
- Hold

Supplied with calibration certificate.

ACCESSORIES

ACC02001

3V CR2032 battery

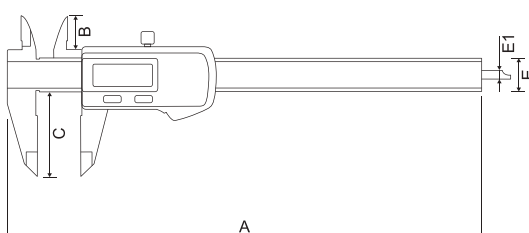
ACC03001

Depth base

PRO67



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | g | Price List Page |
|-----------|-----|----------|------|------|------|------|-----------|-----|-----------------|
| AA017150T | ● | 0 ÷ 150 | 235 | 16 | 40 | 16 | Ø 1,5 | 170 | |
| AA017150P | ■ | 0 ÷ 150 | 235 | 16 | 40 | 16 | 3,7 x 1,3 | 170 | |
| AA017200 | ■ | 0 ÷ 200 | 285 | 19 | 50 | 16 | 3,7 x 1,3 | 200 | |
| AA017300 | ■ | 0 ÷ 300 | 400 | 21 | 60 | 17 | 3,7 x 1,3 | 270 | |



DIGITAL CALIPERS IP54

FEATURES

Accuracy ± 0.03 mm.
 Resolution 0.01 mm.
 Protection IP54.
 Electronics protected against dust and splash water.
 Hardened stainless steel construction.
 Slide with locking screw.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

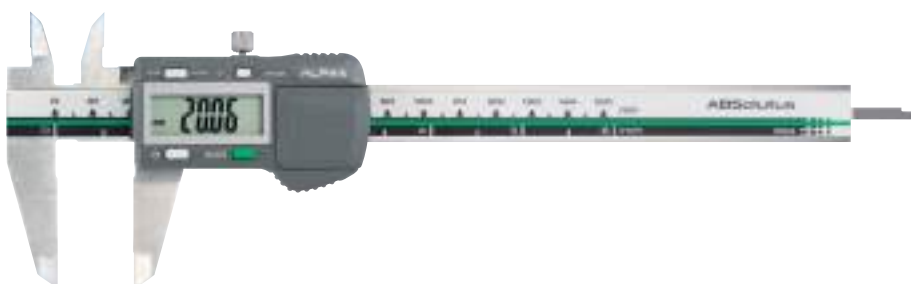
ACC02001

3V CR2032 battery

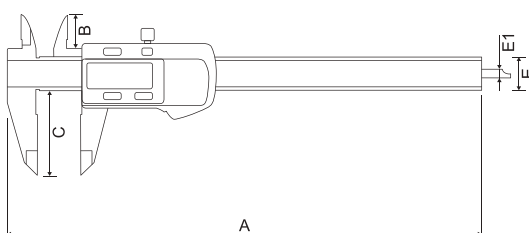
ACC03001

Depth base

ABSolutus

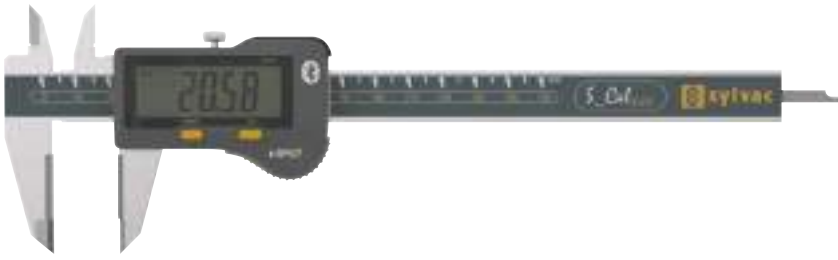


| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | g | Price List Page |
|-----------|-----|----------|------|------|------|------|-----------|-----|-----------------|
| AA019150T | ● | 0 ÷ 150 | 235 | 15,5 | 40 | 16 | Ø 1,5 | 170 | |
| AA019150P | ■ | 0 ÷ 150 | 235 | 15,5 | 40 | 16 | 3,6 x 1,3 | 170 | |
| AA019200 | ■ | 0 ÷ 200 | 287 | 19,5 | 50 | 16 | 3,6 x 1,3 | 200 | |
| AA019300 | ■ | 0 ÷ 300 | 390 | 21,5 | 60 | 16 | 3,6 x 1,3 | 270 | |

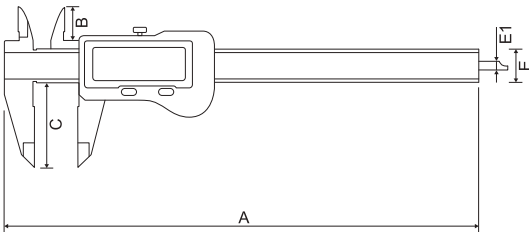


DIGITAL CALIPER IP67 WITH BLUETOOTH® AND PRESETS

S_Cal EVO CARBIDE



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | Bluetooth® | Price List Page |
|--------------|-----|----------|-------|------|------|----------|---------|------------|-----------------|
| AA037150MDBT | ■ | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | 4 x 1,4 | ✓ | |
| AA037150MDND | ● | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | ∅ 1,5 | - | |
| AA037200MDBT | ■ | 0 ÷ 200 | 290 | 19 | 50 | 16 x 3,5 | 4 x 1,4 | ✓ | |

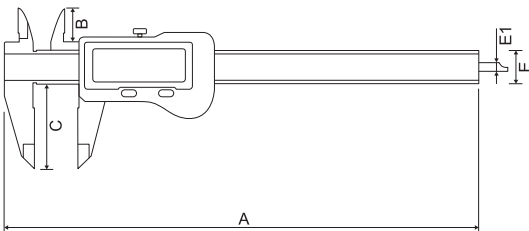


IP67 DIGITAL CALIPER WITH BLUETOOTH® AND PRESETS

S_Cal EVO Smart Micron



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | Price List Page |
|-------------|-----|----------|-------|------|------|----------|---------|-----------------|
| AA011150BTP | ■ | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | 4 x 1,4 | |
| AA011150BTT | ● | 0 ÷ 150 | 234,5 | 16 | 40 | 16 x 3,5 | ∅ 1,5 | |
| AA011200BT | ■ | 0 ÷ 200 | 290,5 | 19 | 50 | 16 x 3,5 | 4 x 1,4 | |



FEATURES

Accuracy ± 0.02 mm.
Resolution 0.01 mm.
Protection IP67.
Electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.
Carbide-tipped nozzles.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|------------------|
| BC076BLE |
| Bluetooth device |



FEATURES

Accuracy ± 0.015 mm.
Resolution 0.001 mm.
Protection IP67.
Electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|------------------|
| ACC03001 |
| Depth base |
| BC076BLE |
| Bluetooth device |

DIGITAL CALIPERS IP40

FEATURES

Accuracy ± 0.03 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with adjustment roller and locking screw.
 On/off button.

FUNCTIONS

- Zero
 - mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001

3V CR2032 battery

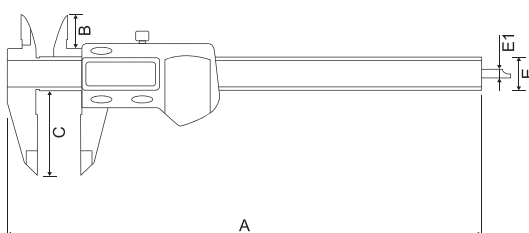
ACC03001

Depth base

PICKall



| Code | Rod | Range mm | A mm | B mm | C mm | E mm | E1 mm | Price List Page |
|-----------|-----|----------|-------|------|------|------|-----------|-----------------|
| AA020150T | ● | 0 ÷ 150 | 234,5 | 16,6 | 40 | 16 | Ø 1,6 | 170 |
| AA020150P | ■ | 0 ÷ 150 | 234,5 | 16,6 | 40 | 16 | 3,7 x 1,3 | 170 |
| AA020200 | ■ | 0 ÷ 200 | 290 | 19 | 50 | 16 | 3,7 x 1,4 | 200 |
| AA020300 | ■ | 0 ÷ 300 | 388 | 18 | 64 | 16 | 3,7 x 1,4 | 270 |



DIGITAL CALIPERS IP40 IN SETS

PICKall



FEATURES

Accuracy ± 0.03 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with adjustment roller and locking screw.
 On/off button.

FUNCTIONS


- Zero
 - mm/inch

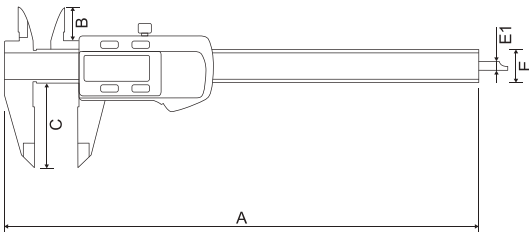
Supplied with calibration certificate.

| Code | Range mm | Composition | Price List Page |
|----------|----------|---------------------------------|-----------------|
| AA023SET | 0 ÷ 300 | AA020150P - AA020200 - AA020300 | |

DIGITAL CALIPER IP40 WITH PRESETS



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm |  Price List Page |
|----------|----------|------|------|------|------|-----------|---|
| AA021100 | 0 ÷ 100 | 186 | 16,5 | 30 | 16 | 3,7 x 1,3 | 150 |
| AA021150 | 0 ÷ 150 | 186 | 16,5 | 40 | 16 | 3,7 x 1,3 | 170 |
| AA021200 | 0 ÷ 200 | 285 | 19,5 | 50 | 16 | 3,7 x 1,3 | 200 |
| AA021300 | 0 ÷ 300 | 400 | 21,5 | 50 | 16 | 3,7 x 1,3 | 270 |



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP40.
Hardened stainless steel construction.
Slide with locking screw.
On/off button.

FUNCTIONS

- Zero
- Preset


Supplied with calibration certificate.

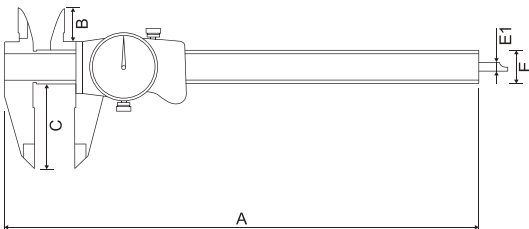
ACCESSORIES

| |
|-------------------|
| ACC05SET |
| Internal gauges |
| ACC02001 |
| 3V CR2032 battery |
| ACC03001 |
| Depth base |

CLOCK GAUGES



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm |  Price List Page |
|----------|----------|------|------|------|------|---------|---|
| AC010150 | 0 ÷ 150 | 235 | 14 | 40 | 16 | 7 x 1,7 | 200 |
| AC010200 | 0 ÷ 200 | 285 | 17 | 50 | 16 | 7 x 1,7 | 250 |
| AC010300 | 0 ÷ 300 | 400 | 19 | 62 | 16,5 | 7 x 1,7 | 300 |



FEATURES

Accuracy ± 0.03 mm (150).
Resolution 0.01 mm.
Metal case.
Dial 39 mm.
1 hand revolution = 1 mm.

Supplied with calibration certificate.

SET

| |
|-----------------------------|
| AC011SET |
| 0 ÷ 150 - 0 ÷ 200 - 0 ÷ 300 |

CLOCK GAUGES

FEATURES

Accuracy ± 0.03 mm (150).
Resolution 0.02 mm.
Metal case.
Dial 39 mm.
1 hand revolution = 2 mm.

Supplied with calibration certificate.

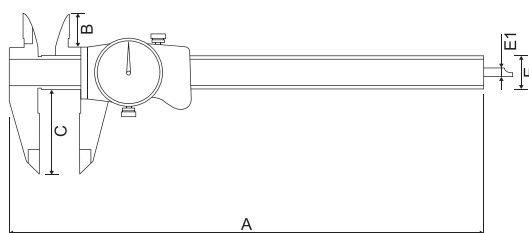
SET

AC016SET

0 ÷ 150 - 0 ÷ 200 - 0 ÷ 300



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm | g | Price List Page |
|----------|----------|------|------|------|------|---------|-----|-----------------|
| AC015150 | 0 ÷ 150 | 236 | 16,5 | 40 | 16 | 7 x 1,7 | 200 | |
| AC015200 | 0 ÷ 200 | 286 | 19,5 | 50 | 16 | 7 x 1,7 | 250 | |
| AC015300 | 0 ÷ 300 | 400 | 18,5 | 60 | 17 | 7 x 1,7 | 300 | |

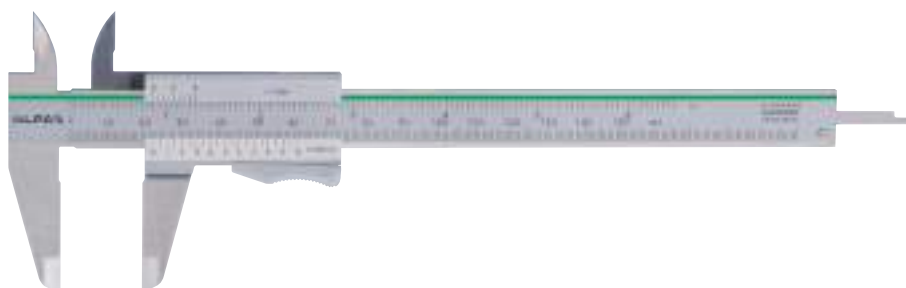


ONE-PIECE SLIDE CALIPER

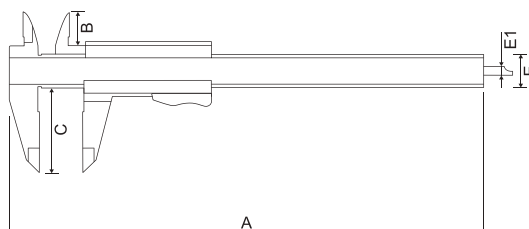
FEATURES

Nonio 1/20.
Readout 0.05 mm.
Hardened stainless steel construction.
Slide with locking button.
Matt chrome-plated scale.
High precision.

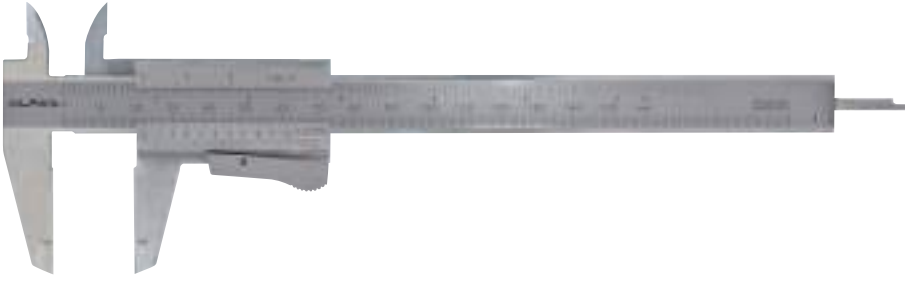
Supplied with calibration certificate.




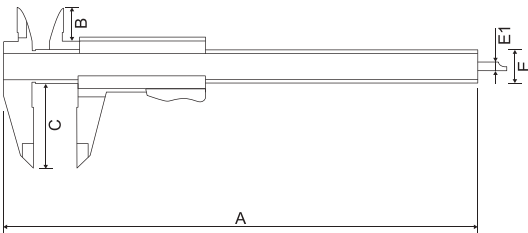
| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm | g | Price List Page |
|----------|----------|------|------|------|------|-----------|-----|-----------------|
| AB011150 | 0 ÷ 150 | 228 | 16,5 | 40 | 16 | 3,5 x 1,3 | 170 | |
| AB011200 | 0 ÷ 200 | 290 | 19 | 50 | 17 | 3,5 x 1,3 | 200 | |



ONE-PIECE SLIDE CALIPER



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm |  Price List Page |
|------------|----------|------|------|------|------|-------------|---|
| AB02515020 | 0 ÷ 150 | 230 | 16,5 | 40 | 16 | 3,85 x 1,45 | 170 |
| AB02515050 | 0 ÷ 150 | 230 | 16,5 | 40 | 16 | 3,85 x 1,45 | 200 |
| AB025200 | 0 ÷ 200 | 280 | 19,5 | 50 | 16 | 3,85 x 1,45 | 270 |
| AB025300 | 0 ÷ 300 | 400 | 27 | 62 | 16 | 4,9 x 1,7 | 340 |

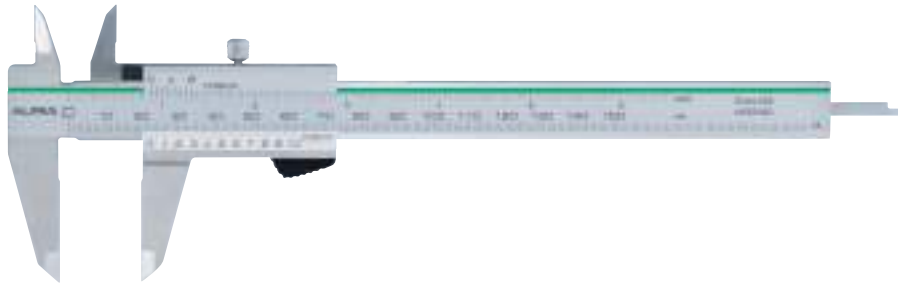



FEATURES

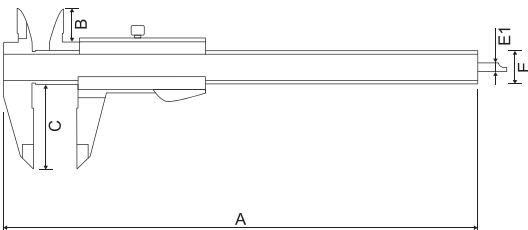
Nonius 1/20.
Readout 0.05 mm.
Hardened stainless steel construction.
Slide with locking button.
Matt chrome-plated scale.
High precision.
AB02515050 version with 1/50 nonius and 0.02 reading.

Supplied with calibration certificate.

ONE-PIECE SLIDE CALIPER



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm |  Price List Page |
|----------|----------|------|------|------|------|-----------|---|
| AB012100 | 0 ÷ 100 | 170 | 13 | 30 | 13 | 3,7 x 1,3 | 90 |
| AB012150 | 0 ÷ 150 | 228 | 16,5 | 40 | 16 | 3,7 x 1,3 | 170 |
| AB012200 | 0 ÷ 200 | 286 | 19,5 | 50 | 16 | 3,7 x 1,3 | 200 |
| AB012300 | 0 ÷ 300 | 400 | 21,5 | 60 | 16 | 3,7 x 1,3 | 280 |



FEATURES

Nonio 1/20.
Readout 0.05 mm.
Hardened stainless steel construction.
Slide with locking screw.
Matt chrome-plated scale.
High precision.

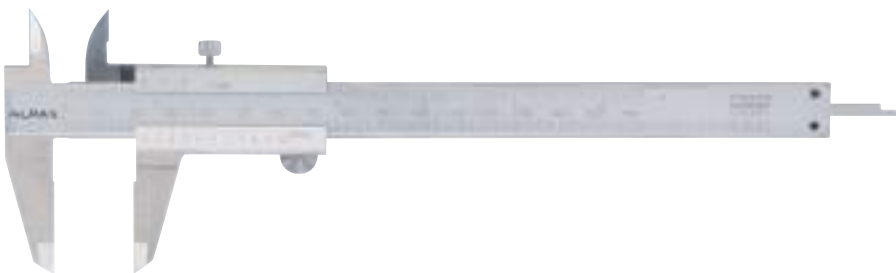
Supplied with calibration certificate.


ONE-PIECE SLIDE CALIPER

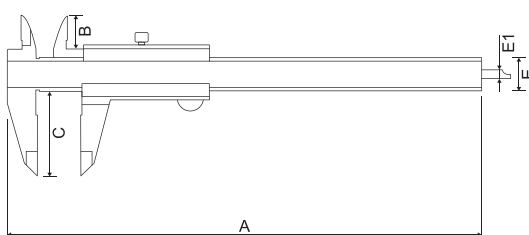
FEATURES

Nonio 1/20.
Readout 0.05 mm.
Hardened stainless steel construction.
Slide with adjustment roller and locking screw.
Matt chrome-plated scale.

Supplied with calibration certificate.



| Code | Range mm | A mm | B mm | C mm | E mm | E1 mm |  Price List Page |
|----------|----------|------|------|------|------|-------------|---|
| AB017100 | 0 ÷ 100 | 160 | 14,5 | 40 | 12 | 3,85 x 1,45 | 90 |
| AB017150 | 0 ÷ 150 | 230 | 16,5 | 40 | 16 | 3,85 x 1,45 | 170 |
| AB017200 | 0 ÷ 200 | 280 | 19,5 | 50 | 16 | 3,85 x 1,45 | 200 |
| AB017300 | 0 ÷ 300 | 400 | 27 | 60 | 19 | 4,9 x 1,7 | 270 |



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP67.
Electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling due to ergonomic shape.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001
3V CR2032 battery

BC076BLE
Bluetooth device

DIGITAL CALIPER IP67 WITH BLUETOOTH® AND PRESETS

S_Cal EVO Form E Mid-size




| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm | Price List Page |
|------------|----------|------|------|-------|-------|--------|-----------------|
| AA028300BT | 0 ÷ 300 | 425 | 100 | 11,5 | 5 | 17 x 5 | |

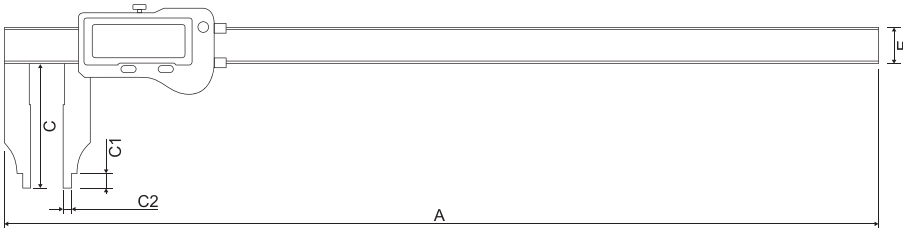


DIGITAL CALIPER IP67 WITH PRESETS

MEGAline



| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm |  kg | Price List Page |
|----------|----------|------|------|-------|-------|--------|--|-----------------|
| AA029300 | 0 ÷ 300 | 425 | 100 | 11,5 | 5 | 17 x 5 | 720 | |
| AA029400 | 0 ÷ 400 | 525 | 100 | 11,5 | 5 | 17 x 5 | 820 | |
| AA029500 | 0 ÷ 500 | 625 | 100 | 11,5 | 5 | 17 x 5 | 920 | |
| AA029600 | 0 ÷ 600 | 725 | 100 | 11,5 | 5 | 17 x 5 | 1020 | |



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.


ACCESSORIES

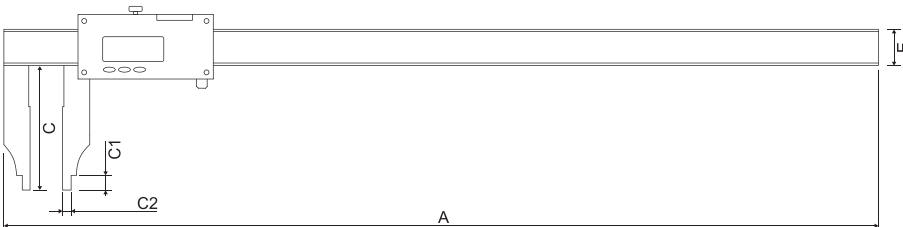
| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

DIGITAL CALIPER IP67 WITH PRESETS

MEGAline



| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm |  kg | Price List Page |
|------------|----------|------|------|-------|-------|--------|--|-----------------|
| AA03305125 | 0 ÷ 500 | 660 | 125 | 11,5 | 5 | 23 x 6 | 2,05 | |
| AA03305150 | 0 ÷ 500 | 660 | 150 | 11,5 | 5 | 27 x 7 | 2,25 | |
| AA03306125 | 0 ÷ 600 | 800 | 125 | 11,5 | 5 | 23 x 6 | 2,45 | |
| AA03306150 | 0 ÷ 600 | 800 | 150 | 11,5 | 5 | 27 x 7 | 2,65 | |
| AA03308150 | 0 ÷ 800 | 1000 | 150 | 11,5 | 5 | 27 x 7 | 2,95 | |
| AA03310150 | 0 ÷ 1000 | 1200 | 150 | 11,5 | 10 | 27 x 7 | 3,15 | |



FEATURES

Accuracy ± 0.04 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic design.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

DIGITAL CALIPER IP67 WITH PRESETS

MEGAline



FEATURES

Accuracy ± 0.04 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.


ACCESSORIES

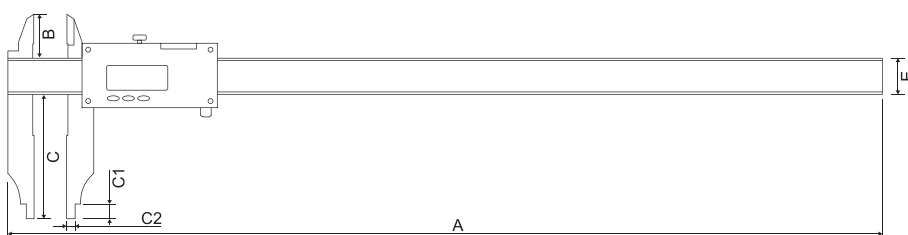
ACC01001

USB Proximity Connector

ACC02001

3V CR2032 battery

| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm |  Price List Page |
|-----------|----------|------|------|------|-------|-------|--------|---|
| AA0310500 | 0 ÷ 500 | 660 | 31 | 150 | 11,5 | 5 | 27 x 7 | 2,25 |
| AA0310600 | 0 ÷ 600 | 800 | 31 | 150 | 11,5 | 5 | 27 x 7 | 2,65 |
| AA0310800 | 0 ÷ 800 | 1000 | 31 | 150 | 11,5 | 5 | 27 x 7 | 2,95 |
| AA0311000 | 0 ÷ 1000 | 1200 | 31 | 150 | 11,5 | 10 | 27 x 7 | 3,15 |



DIGITAL CALIPER IP67 WITH BLUETOOTH® AND PRESETS

S_Cal EVO Form B Mid-size



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP67.
Electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling due to ergonomic shape.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.


ACCESSORIES

ACC02001

3V CR2032 battery

BC076BLE

Bluetooth device


| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm | Bluetooth® |  Price List Page |
|--------------|----------|------|------|------|-------|-------|--------|------------|---|
| AA041300PSBT | 0 ÷ 300 | 425 | 31 | 100 | 11,5 | 5 | 17 x 5 | ✓ | 720 |
| AA041500PSBT | 0 ÷ 500 | 625 | 31 | 100 | 11,5 | 5 | 17 x 5 | ✓ | 920 |

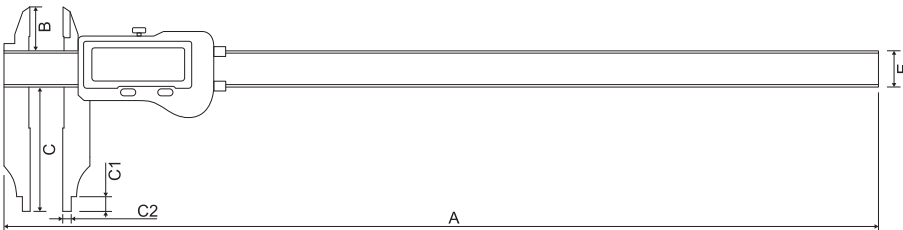


DIGITAL CALIPER IP67 WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm |  Price List Page |
|----------|-------------|---------|---------|---------|----------|----------|---------|--|
| AA034300 | 0 ÷ 300 | 425 | 31 | 100 | 11,5 | 5 | 17 x 5 | 720 |
| AA034400 | 0 ÷ 400 | 525 | 31 | 100 | 11,5 | 5 | 17 x 5 | 820 |
| AA034500 | 0 ÷ 500 | 625 | 31 | 100 | 11,5 | 5 | 17 x 5 | 920 |



FEATURES

- Accuracy ± 0.03 mm.
- Resolution 0.01 mm.
- Protection IP67.
- Swiss electronics protected against dust and brief immersion in water.
- Hardened stainless steel construction.
- Slide with locking screw.
- Easy handling thanks to ergonomic design.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------------|
| ACC01001 |
| USB Proximity Connector |
| ACC02001 |
| 3V CR2032 battery |

IP54 CARBON FIBRE DIGITAL CALIPER WITH PRESETS

FEATURES

- Accuracy ± 0.03 mm (1000).
- Resolution 0.01 mm.
- Protection IP54.
- Swiss electronics protected from dust and water spray.
- Carbon fibre construction with locking screw and micrometric adjustment.
- TiN-coated stainless steel beaks.

FUNCTIONS

- Zero
- Preset
- ABS
- Hold
- mm/inch

Supplied with calibration certificate.

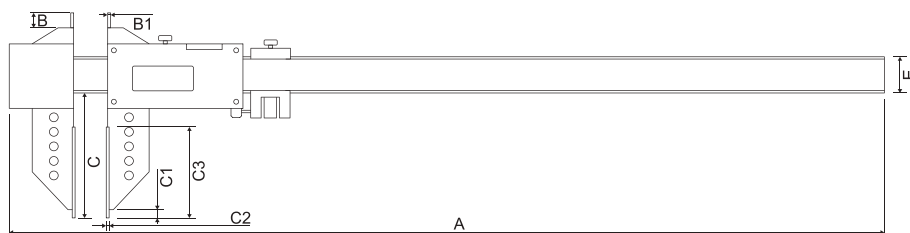
ACCESSORIES

| |
|-----------------------------|
| ACC01002 |
| OPTO-USB connection cable |
| ACC01003 |
| OPTO-RS232 connection cable |
| ACC02001 |
| 3V CR2032 battery |

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | C mm | C1 mm | C2 mm | C3 mm | E mm | kg | Price List Page |
|--------------|----------|------|------|-------|------|-------|-------|-------|---------|-----|-----------------|
| AA0401000150 | 0 ÷ 1000 | 1310 | 18 | 10 | 150 | 18 | 10 | 125 | 47 x 16 | 2,5 | |
| AA0401000300 | 0 ÷ 1000 | 1310 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 3,8 | |
| AA0401000500 | 0 ÷ 1000 | 1310 | 18 | 10 | 500 | 18 | 10 | 440 | 47 x 16 | 3,2 | |
| AA0401500150 | 0 ÷ 1500 | 1810 | 18 | 10 | 150 | 18 | 10 | 125 | 47 x 16 | 3,2 | |
| AA0401500200 | 0 ÷ 1500 | 1810 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 16 | 3,3 | |
| AA0401500300 | 0 ÷ 1500 | 1810 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 3,5 | |
| AA0401500500 | 0 ÷ 1500 | 1810 | 18 | 10 | 500 | 18 | 10 | 440 | 47 x 16 | 3,9 | |
| AA0402000150 | 0 ÷ 2000 | 2310 | 18 | 10 | 150 | 18 | 10 | 125 | 47 x 16 | 3,3 | |
| AA0402000200 | 0 ÷ 2000 | 2310 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 16 | 3,5 | |
| AA0402000300 | 0 ÷ 2000 | 2310 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 3,7 | |
| AA0402000500 | 0 ÷ 2000 | 2310 | 18 | 10 | 500 | 18 | 10 | 440 | 47 x 16 | 4,1 | |
| AA0402500200 | 0 ÷ 2500 | 2810 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 16 | 3,7 | |
| AA0402500300 | 0 ÷ 2500 | 2810 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 3,9 | |
| AA0403000200 | 0 ÷ 3000 | 3310 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 16 | 4 | |
| AA0403000300 | 0 ÷ 3000 | 3310 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 4,2 | |
| AA0403500200 | 0 ÷ 3500 | 3810 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 16 | 4,9 | |
| AA0403500300 | 0 ÷ 3500 | 3810 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 16 | 5,1 | |
| AA0404000200 | 0 ÷ 4000 | 4310 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 38 | 5,8 | |
| AA0404000300 | 0 ÷ 4000 | 4310 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 38 | 6 | |
| AA0404500200 | 0 ÷ 4500 | 4810 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 38 | 6,5 | |
| AA0404500300 | 0 ÷ 4500 | 4810 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 38 | 7 | |
| AA0405000200 | 0 ÷ 5000 | 5310 | 18 | 10 | 200 | 18 | 10 | 160 | 47 x 38 | 7,2 | |
| AA0405000300 | 0 ÷ 5000 | 5310 | 18 | 10 | 300 | 18 | 10 | 240 | 47 x 38 | 7,4 | |

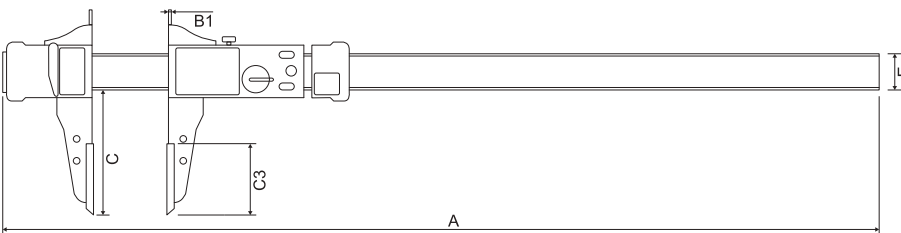


IP67 ALUMINIUM DIGITAL CALIPERS WITH BLUETOOTH® PRESETS AND MOVING BEAKS

Ultra light caliper UL4



| Code | Range mm | Accuracy mm | A mm | B1 mm | C mm | C3 mm | E mm | kg | Price List Page |
|-------------|----------|-------------|------|-------|------|-------|------|-----|-----------------|
| AA046400BT | 0 ÷ 400 | 0,030 | 796 | Ø 5 | 202 | 124 | 38 | 1,5 | |
| AA046600BT | 0 ÷ 600 | 0,040 | 1001 | Ø 5 | 202 | 124 | 38 | 1,6 | |
| AA0461000BT | 0 ÷ 1000 | 0,050 | 1411 | Ø 5 | 202 | 124 | 38 | 1,9 | |
| AA0461500BT | 0 ÷ 1500 | 0,090 | 1926 | Ø 5 | 202 | 124 | 38 | 2,3 | |
| AA0462000BT | 0 ÷ 2000 | 0,120 | 2441 | Ø 5 | 202 | 124 | 38 | 2,6 | |
| AA0462500BT | 0 ÷ 2500 | 0,150 | 2956 | Ø 5 | 202 | 124 | 38 | 2,9 | |
| AA0463000BT | 0 ÷ 3000 | 0,200 | 3471 | Ø 5 | 202 | 124 | 38 | 3,3 | |



FEATURES

- Resolution 0.01 mm.
- IP67 protection.
- Electronics protected against dust and brief immersion in water.
- Reinforced aluminium construction.
- Slide with locking screw.
- Stainless steel nozzles with TiN coating.
- Reinforced housing with internal prismatic guides.
- Measuring force displayed in both pull and push.

FUNCTIONS

- Bluetooth®
- Preset
- ABS
- Hold

Supplied with calibration certificate.

ACCESSORIES

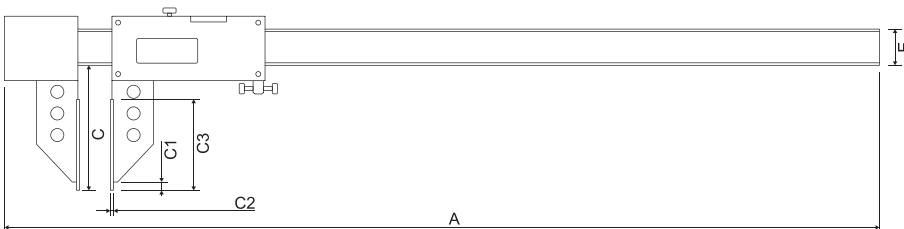
| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| BC076BLE |
| Bluetooth device |

IP67 CARBON FIBRE DIGITAL CALIPER WITH PRESETS

MEGAline



| Code | Range mm | A mm | C mm | C1 mm | C2 mm | C3 mm | E mm | kg | Price List Page |
|--------------|----------|------|------|-------|-------|-------|------|------|-----------------|
| AA0431000150 | 0 ÷ 1000 | 1250 | 150 | 18 | 10 | 125 | 40 | 1,85 | |
| AA0431500150 | 0 ÷ 1500 | 1750 | 150 | 18 | 10 | 125 | 40 | 2,20 | |
| AA0432000150 | 0 ÷ 2000 | 2250 | 150 | 18 | 10 | 125 | 40 | 2,60 | |
| AA0431000200 | 0 ÷ 1000 | 1250 | 200 | 18 | 10 | 160 | 40 | 1,98 | |
| AA0431500200 | 0 ÷ 1500 | 1750 | 200 | 18 | 10 | 160 | 40 | 2,33 | |
| AA0432000200 | 0 ÷ 2000 | 2250 | 200 | 18 | 10 | 160 | 40 | 2,73 | |



FEATURES

- Accuracy ± 0.04 mm (1000).
- Resolution 0.01 mm.
- Protection IP67.
- Swiss electronics protected against dust and brief immersion in water.
- Carbon fibre construction.
- TiN-coated stainless steel tips.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------------|
| ACC01001 |
| USB Proximity Connector |
| ACC02001 |
| 3V CR2032 battery |

DIGITAL CALIPERS IP40 WITH MICROMETER ADJUSTMENT AND PRESETS

FEATURES

Accuracy ± 0.05 mm (300).
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with locking screw and micrometric adjustment.
 On/off button.

FUNCTIONS

- Zero
- Preset
- ABS
- mm/inch

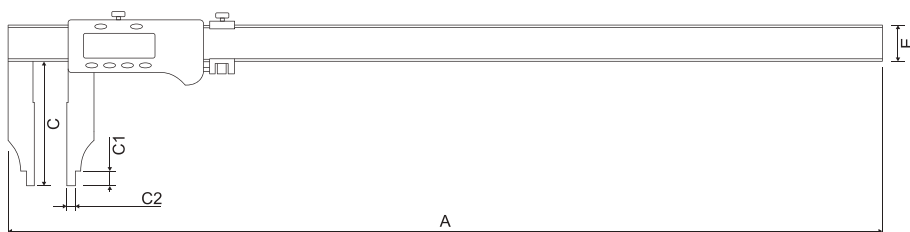
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery



| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm | kg | Price List Page |
|--------------|----------|------|------|-------|-------|-----------|------|-----------------|
| AA050300 | 0 ÷ 300 | 440 | 100 | 18 | 10 | 24 x 5,5 | 0,8 | |
| AA050500100 | 0 ÷ 500 | 680 | 100 | 18 | 10 | 24 x 5,5 | 1 | |
| AA050500150 | 0 ÷ 500 | 680 | 150 | 18 | 10 | 24 x 5,5 | 1 | |
| AA050500200 | 0 ÷ 500 | 730 | 200 | 18 | 10 | 31 x 10,5 | 2 | |
| AA050600150 | 0 ÷ 600 | 800 | 150 | 180 | 10 | 24 x 5,5 | 1,5 | |
| AA050600300 | 0 ÷ 600 | 800 | 300 | 18 | 10 | 43 x 10 | 4,5 | |
| AA050800150 | 0 ÷ 800 | 1000 | 150 | 24 | 10 | 31 x 10,5 | 2 | |
| AA0501000150 | 0 ÷ 1000 | 1230 | 150 | 24 | 10 | 31 x 10,5 | 2,5 | |
| AA0501000300 | 0 ÷ 1000 | 1230 | 300 | 24 | 10 | 43 x 10 | 6 | |
| AA0501500200 | 0 ÷ 1500 | 1800 | 200 | 24 | 10 | 43 x 10 | 6 | |
| AA0501500300 | 0 ÷ 1500 | 1800 | 300 | 24 | 10 | 43 x 10 | 6,5 | |
| AA0502000300 | 0 ÷ 2000 | 2300 | 300 | 24 | 10 | 43 x 10 | 8 | |
| AA0503000300 | 0 ÷ 3000 | 3300 | 300 | 24 | 10 | 43 x 10 | 10,5 | |



DIGITAL CALIPERS IP40 WITH MICROMETER ADJUSTMENT AND PRESETS

FEATURES

Accuracy ± 0.05 mm (300).
 Resolution 0.01 mm.
 Protection IP40.
 Slide with locking screw and micrometric adjustment.
 Matt chrome-plated scale.
 On/off button.

FUNCTIONS

- Zero
- Preset
- ABS
- mm/inch

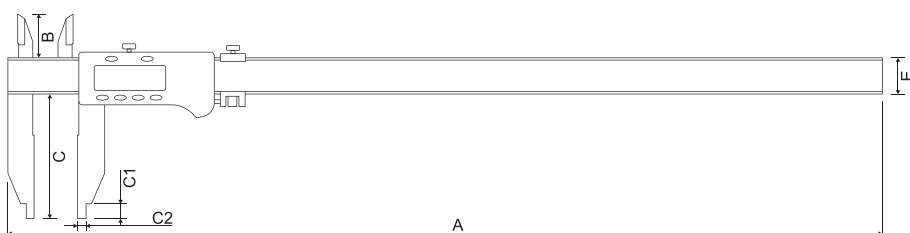
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery



| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm | kg | Price List Page |
|-----------|----------|------|------|------|-------|-------|-----------|-----|-----------------|
| AA052300 | 0 ÷ 300 | 440 | 42 | 100 | 12 | 5 | 20 x 5 | 1,5 | |
| AA052600 | 0 ÷ 600 | 780 | 60 | 150 | 24 | 10 | 31 x 10,5 | 2,7 | |
| AA0521000 | 0 ÷ 1000 | 1230 | 60 | 150 | 24 | 10 | 31 x 10,5 | 3 | |



DIGITAL CALIPERS FOR INDOOR AND OUTDOOR USE



| Code | Range mm | Accuracy mm | B mm | C mm | E mm | Price List Page |
|--------------|-------------|----------------|---------|---------|---------|--------------------|
| AA051600100 | 0 ÷ 600 | ± 0,05 | 60 | 100 | 31 | |
| AA0511000125 | 0 ÷ 1000 | ± 0,07 | 45 | 125 | 24 | |

**FEATURES**

Resolution 0.01 mm.
Incremental zeroing or return to absolute scale.
Slide with locking screw and micrometric adjustment.
On/off button.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

ONE-PIECE GAUGE FOR LARGE DIMENSIONS WITH MICROMETRIC ADJUSTMENT

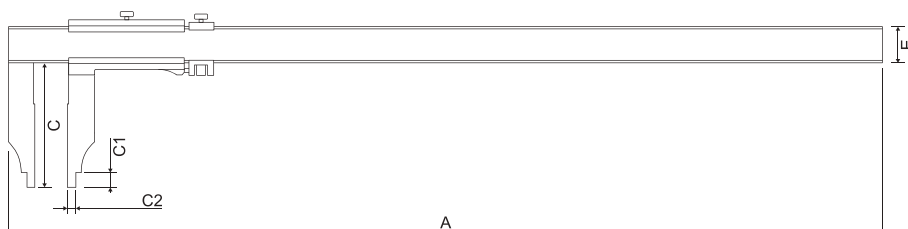
FEATURES

Nonio 1/50.
Readout 0.02 mm.
Stainless steel construction.
Slide with locking screw and micrometric adjustment.
Matt chrome-plated scale.

Supplied with calibration certificate.



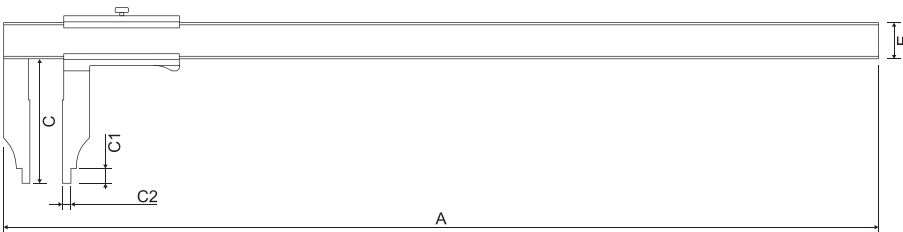
| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm | Q kg | Price List Page |
|--------------|----------|------|------|-------|-------|----------|------|-----------------|
| AB035200 | 0 ÷ 200 | 340 | 65 | 12 | 5 | 20 x 5 | 0,20 | |
| AB035250 | 0 ÷ 250 | 390 | 80 | 12 | 5 | 19 x 4 | 0,25 | |
| AB03530090 | 0 ÷ 300 | 440 | 90 | 12 | 5 | 25 x 4 | 0,27 | |
| AB035300100 | 0 ÷ 300 | 470 | 100 | 12 | 5 | 25 x 4 | 0,29 | |
| AB035300150 | 0 ÷ 300 | 470 | 150 | 12 | 5 | 25 x 4 | 0,35 | |
| AB035400125 | 0 ÷ 400 | 570 | 125 | 15 | 10 | 25 x 5,5 | 0,44 | |
| AB035400200 | 0 ÷ 400 | 570 | 200 | 15 | 10 | 25 x 5,5 | 0,60 | |
| AB035500115 | 0 ÷ 500 | 680 | 115 | 15 | 10 | 28 x 6,5 | 0,70 | |
| AB035500150 | 0 ÷ 500 | 680 | 150 | 15 | 10 | 28 x 6,5 | 1,3 | |
| AB035500200 | 0 ÷ 500 | 680 | 200 | 15 | 10 | 28 x 6,5 | 1,6 | |
| AB035600115 | 0 ÷ 600 | 780 | 115 | 15 | 10 | 28 x 6,5 | 1,4 | |
| AB035600150 | 0 ÷ 600 | 780 | 150 | 15 | 10 | 28 x 6,5 | 1,6 | |
| AB035600200 | 0 ÷ 600 | 780 | 200 | 15 | 10 | 28 x 6,5 | 1,8 | |
| AB035600300 | 0 ÷ 600 | 840 | 300 | 15 | 10 | 28 x 6,5 | 2,3 | |
| AB035800150 | 0 ÷ 800 | 1070 | 150 | 20 | 10 | 32 x 7,5 | 1,8 | |
| AB035800300 | 0 ÷ 800 | 1070 | 300 | 20 | 10 | 32 x 7,5 | 3,5 | |
| AB035800400 | 0 ÷ 800 | 1070 | 400 | 20 | 10 | 32 x 7,5 | 3,7 | |
| AB0351000150 | 0 ÷ 1000 | 1270 | 150 | 20 | 10 | 32 x 7,5 | 2 | |
| AB0351000300 | 0 ÷ 1000 | 1270 | 300 | 20 | 10 | 32 x 7,5 | 4 | |
| AB0351000500 | 0 ÷ 1000 | 1270 | 500 | 20 | 10 | 32 x 7,5 | 4,5 | |
| AB0351500200 | 0 ÷ 1500 | 1800 | 200 | 20 | 10 | 40 x 10 | 6,3 | |
| AB0351500300 | 0 ÷ 1500 | 1800 | 300 | 20 | 10 | 40 x 10 | 6,9 | |
| AB0351500500 | 0 ÷ 1500 | 1800 | 500 | 20 | 10 | 40 x 10 | 9 | |
| AB0352000300 | 0 ÷ 2000 | 2300 | 300 | 20 | 10 | 40 x 10 | 8,4 | |
| AB0352000500 | 0 ÷ 2000 | 2300 | 500 | 20 | 10 | 40 x 10 | 10 | |
| AB0353000300 | 0 ÷ 3000 | 3400 | 300 | 20 | 10 | 50 x 16 | 11 | |



ONE-PIECE SLIDE CALIPER



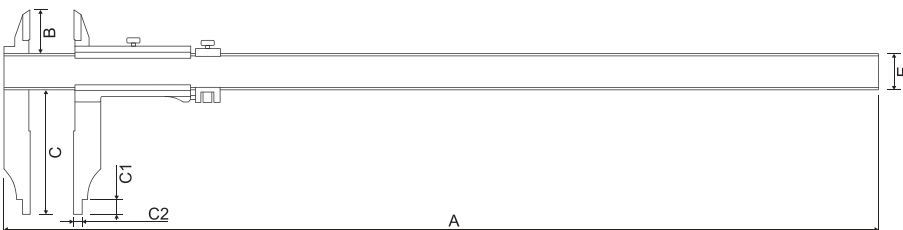
| Code | Range mm | A mm | C mm | C1 mm | C2 mm | E mm | kg | Price List Page |
|----------|----------|------|------|-------|-------|--------|------|-----------------|
| AB047200 | 0 ÷ 200 | 270 | 65 | 10 | 10 | 18 x 4 | 0,25 | |
| AB047250 | 0 ÷ 250 | 380 | 80 | 10 | 10 | 18 x 4 | 0,30 | |
| AB047300 | 0 ÷ 300 | 440 | 100 | 10 | 10 | 18 x 4 | 0,30 | |
| AB047400 | 0 ÷ 400 | 560 | 125 | 15 | 10 | 24 x 5 | 0,30 | |
| AB047500 | 0 ÷ 500 | 680 | 150 | 15 | 10 | 24 x 5 | 1,5 | |



ONE-PIECE GAUGE WITH MICROMETRICALLY ADJUSTABLE UPPER JAWS



| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm | kg | Price List Page |
|----------|----------|------|------|------|-------|-------|--------|-----|-----------------|
| AB040300 | 0 ÷ 300 | 440 | 32 | 100 | 10 | 5 | 18 x 4 | 0,5 | |
| AB040400 | 0 ÷ 400 | 570 | 45 | 125 | 15 | 10 | 24 x 5 | 1,3 | |
| AB040500 | 0 ÷ 500 | 680 | 45 | 150 | 15 | 10 | 24 x 5 | 1,5 | |



FEATURES

Nonio 1/20.
Readout 0.05 mm.
Stainless steel construction.
Slide with locking screw.

Supplied with calibration certificate.

FEATURES

Nonio 1/20.
Readout 0.05 mm.
Stainless steel construction.
Slide with locking screw and micrometric adjustment.

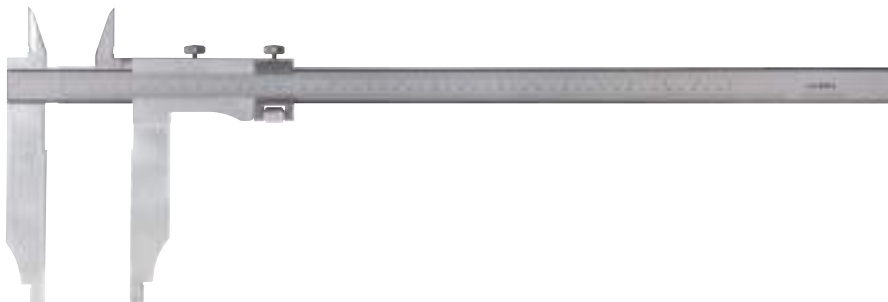
Supplied with calibration certificate.


ONE-PIECE GAUGE WITH TOP BEAKS FOR INDOOR USE WITH MICROMETRIC ADJUSTMENT

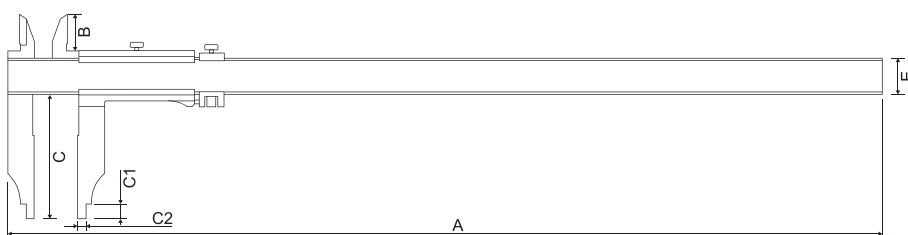
FEATURES

Nonius 1/50.
Readout 0.02 mm.
Stainless steel construction.
Slide with locking screw and micrometric adjustment.

Supplied with calibration certificate.




| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm |  Price List Page |
|-----------|----------|------|------|------|-------|-------|-----------|---|
| AB045300 | 0 ÷ 300 | 440 | 30 | 90 | 12 | 5 | 20 x 5 | 0,6 |
| AB045500 | 0 ÷ 500 | 680 | 39 | 150 | 18 | 10 | 24 x 5,5 | 1,5 |
| AB045600 | 0 ÷ 600 | 780 | 39 | 150 | 18 | 10 | 24 x 5,5 | 1,8 |
| AB0451000 | 0 ÷ 1000 | 1270 | 51,5 | 150 | 24 | 10 | 31 x 10,5 | 3,5 |

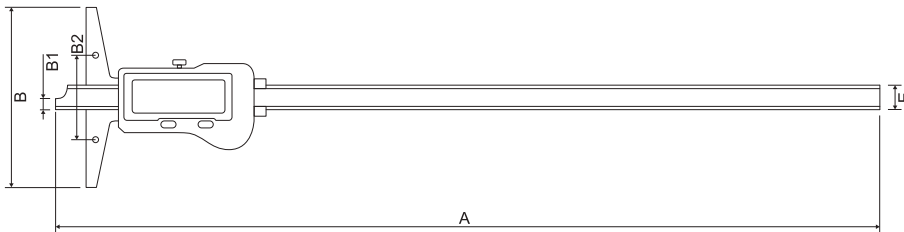


IP67 DIGITAL CALIPER WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm |  g | Price List Page |
|----------|----------|------|----------|-------|-------|------|---|-----------------|
| AA054200 | 0 + 200 | 310 | 105 x 10 | 5,5 | 70 | 70 | 295 | |
| AA054300 | 0 + 300 | 410 | 150 x 12 | 5,5 | 70 | 70 | 330 | |
| AA054400 | 0 + 400 | 510 | 150 x 12 | 5,5 | 70 | 70 | 350 | |
| AA054500 | 0 + 500 | 610 | 150 x 12 | 5,5 | 70 | 70 | 390 | |
| AA054600 | 0 + 600 | 710 | 150 x 12 | 5,5 | 70 | 70 | 430 | |



FEATURES

Accuracy ± 0.02 mm (200).
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES


| | |
|-----------------|-----------------------------|
| ACC01001 | USB Proximity Connector |
| ACC10200 | Moving bridge 200 x 8mm |
| ACC10320 | Moving bridge 320 x 8mm |
| ACC02001 | 3V CR2032 battery |
| ACC20001 | Depth gauge foot type A |
| ACC20002 | Depth gauge foot type B |
| ACC20003 | Depth gauge foot type C |
| ACC20004 | Foot for D-type depth gauge |
| ACC20005 | Depth gauge foot type E |
| ACC20006 | Foot for F-type depth gauge |

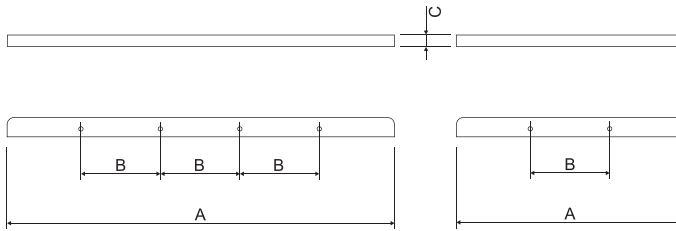
MOBILE BRIDGE FOR DEPTH GAUGES

FEATURES

Mobile bridge for depth gauges code AA054.



| Code | A mm | B mm | C mm | Threading |  Price List Page |
|----------|------|------|------|-----------|---|
| ACC10200 | 200 | 70 | 8 | M4 | 230 |
| ACC10320 | 320 | 70 | 8 | M4 | 350 |

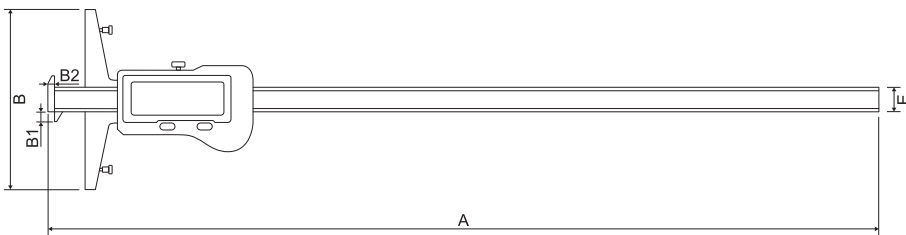


IP67 DIGITAL CALIPER WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | Price List Page |
|-----------|----------|------|----------|-------|-------|--------|-----------------|
| AA064300 | 0 ÷ 300 | 410 | 150 x 12 | 7 | 2,5 | 12 x 4 | 430 |
| AA064400 | 0 ÷ 400 | 510 | 150 x 12 | 7 | 2,5 | 12 x 4 | 465 |
| AA064500 | 0 ÷ 500 | 610 | 150 x 12 | 7 | 2,5 | 12 x 4 | 495 |
| AA064600 | 0 ÷ 600 | 710 | 150 x 12 | 7 | 2,5 | 12 x 4 | 530 |
| AA064800 | 0 ÷ 800 | 910 | 150 x 12 | 7 | 2,5 | 12 x 4 | 580 |
| AA0641000 | 0 ÷ 1000 | 1110 | 150 x 12 | 7 | 2,5 | 12 x 4 | 630 |



FEATURES

Accuracy ± 0.03 mm (300).
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.
Interchangeable pull/push in the same plane.
Ready for mobile bridge.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

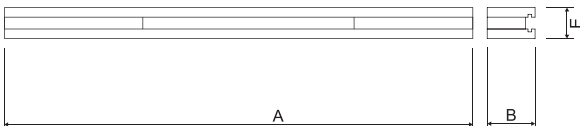
ACCESSORIES

| | |
|-----------------|-----------------------------|
| ACC08001 | Moving bridge 400 x 13mm |
| ACC08002 | Moving bridge 500 x 13mm |
| ACC08003 | Moving bridge 600 x 13mm |
| ACC01000 | Proximity RS232 connector |
| ACC01001 | USB Proximity Connector |
| ACC02001 | 3V CR2032 battery |
| ACC20001 | Depth gauge foot type A |
| ACC20002 | Depth gauge foot type B |
| ACC20003 | Depth gauge foot type C |
| ACC20004 | Foot for D-type depth gauge |

MOBILE BRIDGE FOR DEPTH GAUGES



| Code | A mm | B mm | E mm | Price List Page |
|----------|------|------|------|-----------------|
| ACC08001 | 400 | 20 | 13 | 570 |
| ACC08002 | 500 | 20 | 13 | 690 |
| ACC08003 | 600 | 20 | 13 | 830 |



FEATURES

Mobile bridge for depth gauges code AA064.

IP67 DIGITAL CALIPER WITH PRESETS

FEATURES

Accuracy ± 0.02 mm (300).
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic design.
Interchangeable pull/push in the same plane.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

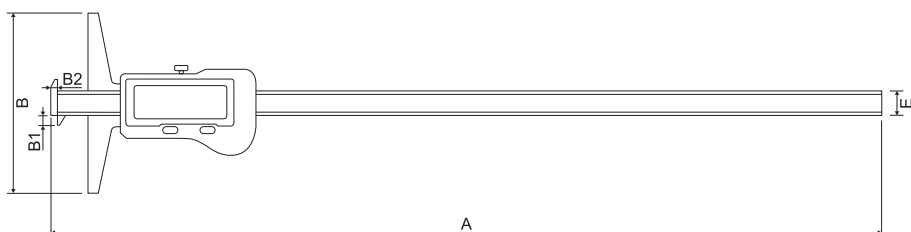
ACCESSORIES

ACC02001
3V CR2032 battery

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | g | Price List Page |
|----------|----------|------|----------|-------|-------|--------|-----|-----------------|
| AA059300 | 0 ÷ 300 | 410 | 150 x 12 | 7 | 2,5 | 12 x 4 | 430 | |
| AA059400 | 0 ÷ 400 | 510 | 150 x 12 | 7 | 2,5 | 12 x 4 | 460 | |
| AA059500 | 0 ÷ 500 | 610 | 150 x 12 | 7 | 2,5 | 12 x 4 | 500 | |
| AA059600 | 0 ÷ 600 | 710 | 150 x 12 | 7 | 2,5 | 12 x 4 | 530 | |



DIGITAL CALIPERS FOR IP67 SMALL BORE DEPTH WITH PRESETS

FEATURES

Accuracy ± 0.02 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic shape.
Minimum bore diameter of 6 mm.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

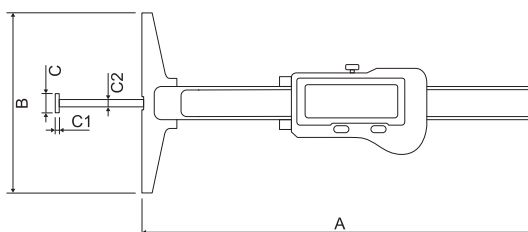
ACCESSORIES

ACC02001
3V CR2032 battery

MEGAline




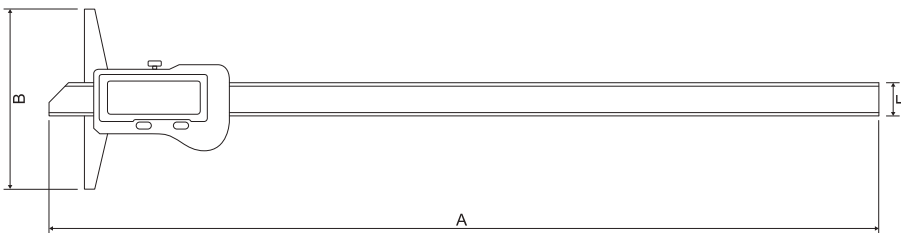
| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | g | Price List Page |
|------------|----------|------|------|-------------------|-------|-----------------|-----|-----------------|
| AA08312058 | 0 ÷ 120 | 220 | 80 | $\varnothing 5,8$ | 0,6 | $\varnothing 4$ | 270 | |
| AA08312078 | 0 ÷ 120 | 220 | 80 | $\varnothing 7,8$ | 0,9 | $\varnothing 4$ | 270 | |



IP67 DIGITAL CALIPER WITH PRESETS




| Code | Range mm | A mm | B mm | E mm |  g | Price List Page |
|----------|----------|------|------|------|---|-----------------|
| AA107200 | 0 ÷ 200 | 285 | 100 | 14,5 | 200 | |
| AA107300 | 0 ÷ 300 | 390 | 150 | 14,5 | 270 | |



DIGITAL CALIPERS FOR DEPTH IP54



| Code | Range mm | A mm | B mm | E mm |  g | Price List Page |
|----------|----------|------|------|------|---|-----------------|
| AA101200 | 0 ÷ 200 | 285 | 100 | 14,5 | 200 | |
| AA101300 | 0 ÷ 300 | 390 | 150 | 14,5 | 270 | |



FEATURES

Accuracy ± 0.02 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic design.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC03001 |
| Depth base |

FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP54.
Electronics protected against dust and splash water.
Slide with locking screw.
On/off button.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

IP54 DIGITAL CALIPERS WITH DOUBLE FEET

FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP54.
Electronics protected against dust and splash water.
Slide with locking screw.
On/off button.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001
3V CR2032 battery



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | g | Price List Page |
|----------|----------|------|------|-------|-------|------|-----|-----------------|
| AA103200 | 0 ÷ 200 | 285 | 100 | 4 | 4 | 14,5 | 200 | |
| AA103300 | 0 ÷ 300 | 390 | 150 | 4 | 4 | 14,5 | 270 | |



IP54 DIGITAL CALIPERS WITH PLUNGERS

FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP54.
Electronics protected against dust and splash water.
Slide with locking screw.
On/off button.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

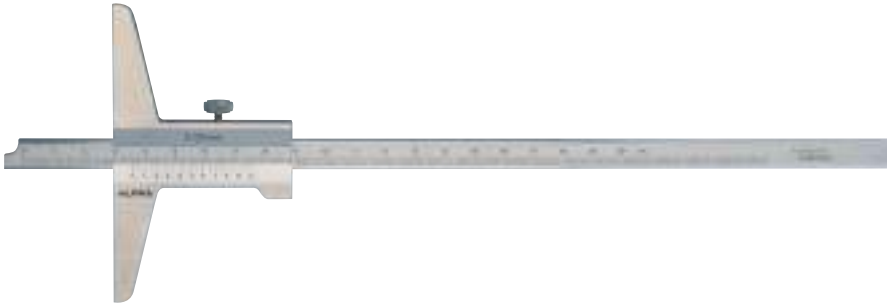
ACC02001
3V CR2032 battery



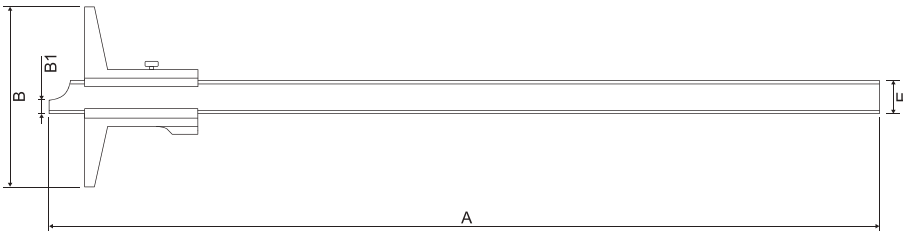
| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | g | Price List Page |
|----------|----------|------|------|-------|-------|------|-----|-----------------|
| AA105200 | 0 ÷ 200 | 285 | 100 | ø 1,5 | 6 | 14,5 | 200 | |
| AA105300 | 0 ÷ 300 | 390 | 150 | ø 1,5 | 6 | 14,5 | 270 | |



ONE-PIECE DEPTH GAUGE



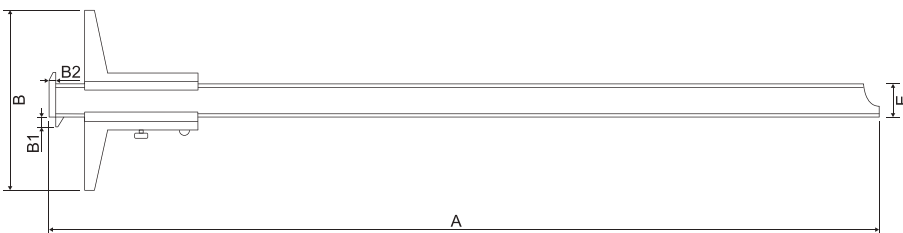
| Code | Range mm | A mm | B mm | B1 mm | E mm | Weight g | Price List Page |
|-----------|----------|------|------|-------|------|----------|-----------------|
| AB055150 | 0 ÷ 150 | 250 | 100 | 5 | 10 | 0,2 | |
| AB055200 | 0 ÷ 200 | 300 | 100 | 5 | 10 | 0,2 | |
| AB055300 | 0 ÷ 300 | 400 | 150 | 5 | 10 | 0,3 | |
| AB055400 | 0 ÷ 400 | 505 | 150 | 4 | 11 | 0,4 | |
| AB055500 | 0 ÷ 500 | 605 | 150 | 4 | 11 | 0,6 | |
| AB0551000 | 0 ÷ 1000 | 1160 | 200 | 7 | 18 | 2 | |



MONOBLOC DEPTH GAUGE WITH DOUBLE FOOT



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | Weight g | Price List Page |
|----------|----------|------|------|-------|-------|------|----------|-----------------|
| AB062200 | 0 ÷ 200 | 260 | 100 | 6 | 5 | 10 | 265 | |
| AB062300 | 0 ÷ 300 | 370 | 100 | 6 | 5 | 10 | 315 | |



FEATURES

Nonius 1/20.
Readout 0.05 mm.
Slide with locking screw.

Supplied with calibration certificate.

FEATURES

Nonius 1/20.
Readout 0.05 mm.
Slide with locking screw.

Supplied with calibration certificate.

DIGITAL CALIPERS FOR IP67 INTERNAL/EXTERNAL GROOVES WITH PRESETS

FEATURES

Accuracy ± 0.02 mm (250).
 Resolution 0.01 mm.
 Protection IP67.
 Swiss electronics protected from dust and brief immersion in water.
 Hardened stainless steel construction.
 Slide with locking screw.
 Easy handling thanks to ergonomic shape.
 Interchangeable tips.
 Supplied with $\varnothing 3$ mm ball tip and M 2 thread5 (code AA084350 and AA084450).
 Supplied with hardened dowels $\varnothing 2.5$ mm (code AA084250).
 Supplied with adapter $\varnothing 3.5$ mm and thread M2.5.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC01001

USB Proximity Connector

ACC02001

3V CR2032 battery

CC0458

Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3,5 mm - Length 8 mm

CC04510

Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 10 mm

CC04512

Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3,5 mm - Length 12 mm

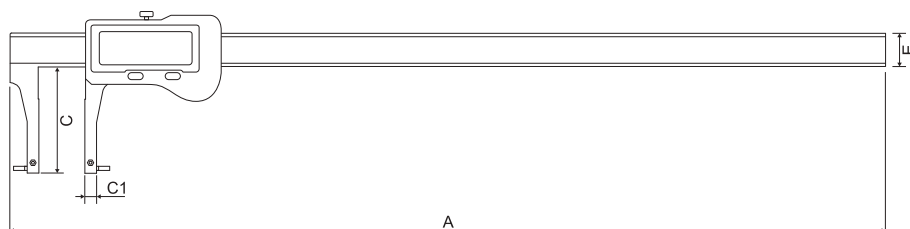
CC04520

Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 20 mm

MEGAline



| Code | Internal range mm | External range mm | A mm | C mm | C1 mm | E mm | Price List Page |
|----------|-------------------|-------------------|------|------|-------|------------|-----------------|
| AA084250 | 24 ÷ 250 | 0 ÷ 210 | 332 | 64 | 6,5 | 16,5 x 4,5 | 260 |
| AA084350 | 44 ÷ 400 | 0 ÷ 320 | 470 | 103 | 10 | 17 x 5 | 560 |
| AA084450 | 44 ÷ 500 | 0 ÷ 420 | 570 | 103 | 10 | 17 x 5 | 650 |

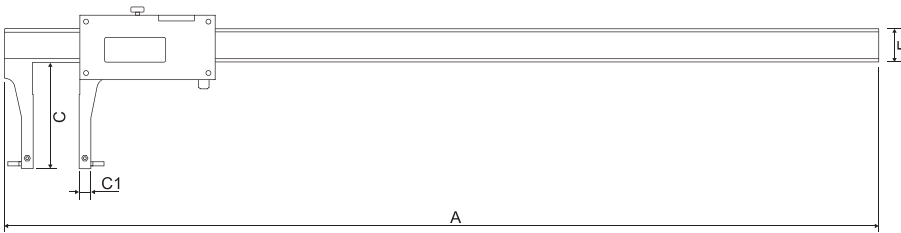


DIGITAL CALIPERS FOR INTERNAL/EXTERNAL GROOVES IP54 WITH PRESETS

MEGAline



| Code | Internal range mm | External range mm | A mm | C mm | C1 mm | E mm | kg | Price List Page |
|----------|----------------------|----------------------|---------|---------|----------|---------|-----|--------------------|
| AA081650 | 44 ÷ 650 | 0 ÷ 570 | 720 | 103 | 10 | 22 x 5 | 740 | |



FEATURES

- Accuracy ± 0.04 mm.
- Resolution 0.01 mm.
- Protection IP54.
- Swiss electronics protected against dust and splash water.
- Hardened stainless steel construction.
- Slide with locking screw.
- Interchangeable tips.
- Supplied with $\varnothing 3.5$ mm plug-in tips.
- Supplied with $\varnothing 3.5$ mm adapter and M 2.5 thread.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

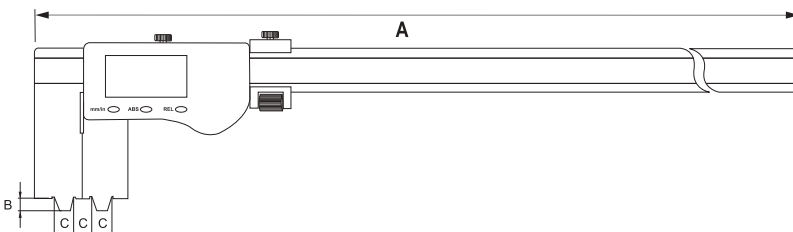
ACCESSORIES

| | |
|-----------------|---|
| ACC02001 | 3V CR2032 battery |
| ACC01001 | USB Proximity Connector |
| ACC01000 | Proximity RS232 connector |
| CC0458 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3.5 mm - Length 8 mm |
| CC04510 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 10 mm |
| CC04512 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3.5 mm - Length 12 mm |
| CC04520 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 20 mm |

DIGITAL CALIPERS FOR IP40 RING JOINT WITH MICROMETRIC ADJUSTMENT



| Code | Range mm | A mm | B mm | C mm | kg | Price List Page |
|----------|-------------|---------|---------|---------|-----|--------------------|
| AA082300 | 0 ÷ 300 | 476 | 5 | 10 | 0,8 | |
| AA082500 | 0 ÷ 500 | 680 | 6 | 10 | 1 | |



FEATURES

- Accuracy ± 0.04 mm (300).
- Resolution 0.01 mm.
- Protection IP40.
- Hardened stainless steel construction.
- Slide with locking screw and micrometric adjustment.
- 23° beaks.

FUNCTIONS

- Zero
- ABS
- mm/inch

Supplied with calibration certificate.

IP40 DIGITAL CALIPERS WITH INTERCHANGEABLE TIPS AND MICROMETRIC ADJUSTMENT

FEATURES

Accuracy ± 0.05 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with locking screw and micrometric adjustment.
 On/off button.
 Supplied with a pair of cylindrical tips with M2.5 thread.
 Other tips to be ordered separately.

FUNCTIONS

- Zero
 - Preset
 - ABS
 - mm/inch

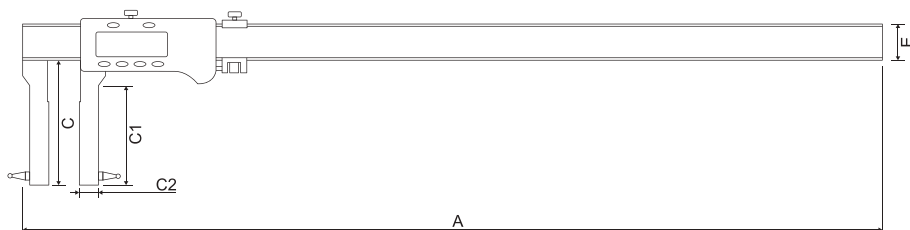
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery



| Code | Internal range mm | External range mm | A mm | C mm | C1 mm | C2 mm | E mm | kg | Price List Page |
|----------|-------------------|-------------------|------|------|-------|-------|----------|-----|-----------------|
| AA077300 | 40 ÷ 300 | 0 ÷ 300 | 430 | 93 | 75 | 12 | 19 x 5 | 0,8 | |
| AA077500 | 50 ÷ 500 | 0 ÷ 500 | 680 | 103 | 88 | 16 | 23 x 5,5 | 1 | |



IP40 DIGITAL CALIPERS WITH INTERCHANGEABLE TIPS AND PRESETS

FEATURES

Accuracy ± 0.05 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with locking screw.
 On/off button.
 Other tips to be ordered separately.

FUNCTIONS

- Zero
 - Preset

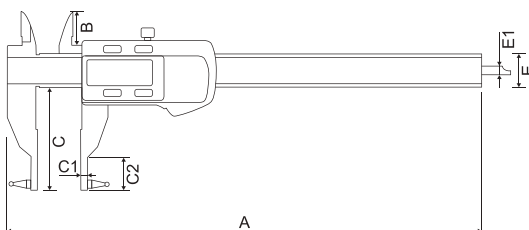
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery



| Code | Range $\varnothing 1 - \varnothing 6,5$ mm | Range $\varnothing 7 - \varnothing 12$ mm | A mm | B mm | C mm | C1 mm | C2 mm | E mm | E1 mm | kg | Price List Page |
|----------|--|---|------|------|------|-------|-------|------|-----------|-----|-----------------|
| AA176150 | 34 ÷ 150 | 46 ÷ 150 | 235 | 16,5 | 50 | 5 | 23 | 23 | 3,7 x 1,3 | 170 | |
| AA176200 | 34 ÷ 200 | 46 ÷ 200 | 285 | 19,5 | 50 | 5 | 23 | 23 | 3,7 x 1,3 | 200 | |



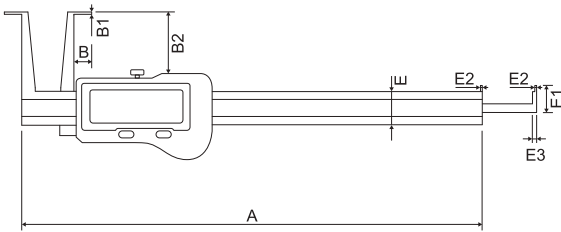
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DIGITAL CALIPERS FOR IP67 GROOVES AND CHANNELS WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | E1 mm | E2 mm | E3 mm | g | Price List Page |
|----------|----------|------|------|-------|-------|----------|-------|-------|-------|-----|-----------------|
| AA086170 | 10 ÷ 170 | 230 | 3,5 | 0,95 | 32 | 16,5 x 4 | 15 | 1 | 2 | 195 | |
| AA086180 | 20 ÷ 180 | 230 | 8,5 | 0,95 | 32 | 16,5 x 4 | 15 | 1 | 2 | 200 | |



FEATURES

Accuracy ± 0.03 mm.
 Resolution 0.01 mm.
 Protection IP67.
 Swiss electronics protected against dust and brief immersion in water.
 Hardened stainless steel construction.
 Slide with locking screw.
 Easy handling thanks to ergonomic design.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

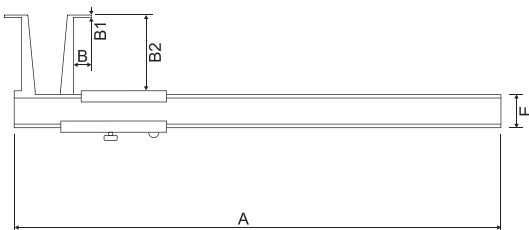
ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

INTERNAL GROOVE GAUGES



| Code | Range mm | A mm | B mm | B1 mm | B2 mm | E mm | g | Price List Page |
|----------|-----------|------|------|-------|-------|------|-----|-----------------|
| AB067160 | 9,5 ÷ 160 | 225 | 3 | 0,9 | 25 | 15,8 | 190 | |
| AB067200 | 26 ÷ 200 | 285 | 7 | 3 | 60 | 18 | 200 | |
| AB067300 | 60 ÷ 300 | 385 | 10 | 5 | 100 | 24 | 250 | |



FEATURES

Nonio 1/20.
 Readout 0.05 mm.
 Slide with locking screw.
 Matt chrome-plated scale.

Supplied with calibration certificate.

DIGITAL CALIPERS FOR INTERNAL GROOVES IP40

FEATURES

Accuracy ± 0.05 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Slide with locking screw.
 On/off button.

FUNCTIONS

- Zero
 - Preset

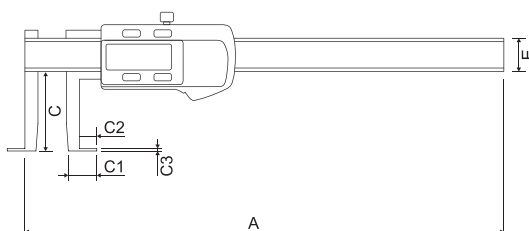
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery



| Code | Range mm | A mm | C mm | C1 mm | C2 mm | C3 mm | E mm | kg | Price List Page |
|----------|----------|------|------|-------|-------|-------|------|------|-----------------|
| AA179150 | 14 ÷ 150 | 235 | 30 | 12 | 5 | 1 | 16 | 0,2 | |
| AA179200 | 15 ÷ 200 | 285 | 40 | 13 | 5 | 1 | 16 | 0,25 | |
| AA179300 | 17 ÷ 300 | 400 | 50 | 15 | 5 | 1,5 | 16 | 0,5 | |
| AA179500 | 35 ÷ 500 | 670 | 120 | 33 | 8 | 1,5 | 24 | 1 | |



DIGITAL CALIPERS FOR IP40 INTERNAL GROOVES WITH PRESETS

FEATURES

Accuracy ± 0.05 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Slide with locking screw.
 On/off button.

FUNCTIONS

- Zero
 - Preset

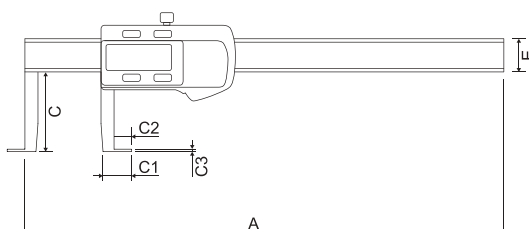
Supplied with calibration certificate.

ACCESSORIES

ACC02001
 3V CR2032 battery




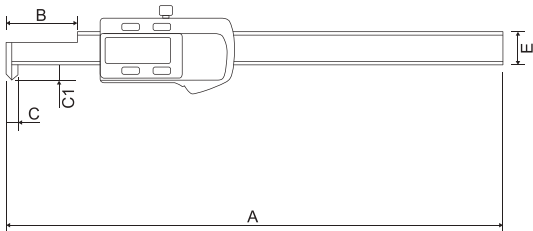
| Code | Range mm | A mm | C mm | C1 mm | C2 mm | C3 mm | E mm | kg | Price List Page |
|----------|----------|------|------|-------|-------|-------|------|-----|-----------------|
| AA189150 | 22 ÷ 150 | 235 | 30 | 11 | 5 | 1 | 16 | 200 | |
| AA189200 | 40 ÷ 200 | 285 | 70 | 20 | 7 | 1,5 | 16 | 250 | |



DIGITAL CALIPERS FOR IP40 INTERNAL GROOVES WITH PRESETS



| Code | Range mm | A mm | B mm | C mm | C1 mm | E mm |  Price List Page |
|----------|----------|------|------|------|-------|------|---|
| AA188125 | 3 ÷ 125 | 236 | 24 | 3 | 4 | 12,5 | 150 |
| AA188200 | 3 ÷ 200 | 310 | 24 | 3 | 4 | 12,5 | 200 |



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP40.
Slide with locking screw.
On/off button.
Suitable for measuring distances between internal slots.

FUNCTIONS

- Zero
- Preset
- mm/inch

Supplied with calibration certificate.


ACCESSORIES

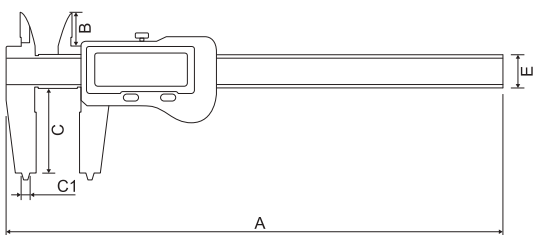
| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

DIGITAL CALIPERS FOR IP67 RING JOINT WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | C mm | C1 mm | E mm |  Price List Page |
|----------|----------|------|------|------|-------|----------|---|
| AA080200 | 0 ÷ 200 | 290 | 19 | 32 | 4 | 16 x 3,5 | 150 |



FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Hardened stainless steel construction.
Slide with locking screw.
Easy handling thanks to ergonomic design.
23° beaks.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

| |
|-----------------|
| ACC09001 |
| Zeroing master |

RING JOINT GAUGE

FEATURES

Nonio 1/20.
Reading 0.02 mm.
Slide with locking screw.
Slide stop at end of shaft.
Chrome-plated scale reading.
Engraved precision graduation.
23° beaks.
Built to DIN 862.

Supplied with calibration certificate.

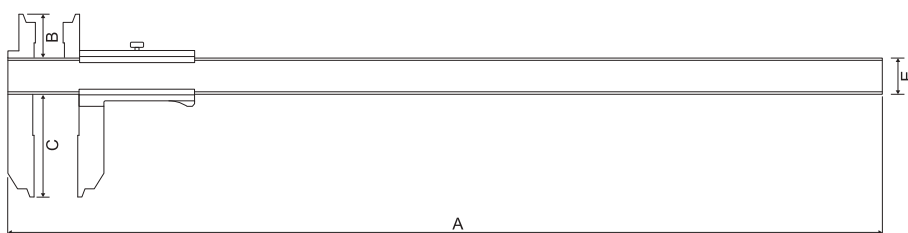
ACCESSORIES

ACC09001

Zeroing master



| Code | Range mm | A mm | B mm | C mm | E mm | kg | Price List Page |
|-----------|----------|------|------|------|--------|-----|-----------------|
| AB070300 | 0 ÷ 300 | 420 | 40 | 45 | 24 x 5 | 0,3 | |
| AB070500 | 0 ÷ 500 | 620 | 40 | 45 | 24 x 5 | 1 | |
| AB0701000 | 0 ÷ 1000 | 1140 | 40 | 65 | 30 x 6 | 2,2 | |

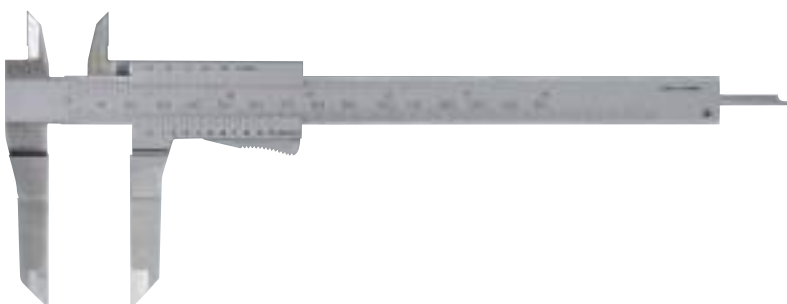


GAUGE WITH LONG BEAKS

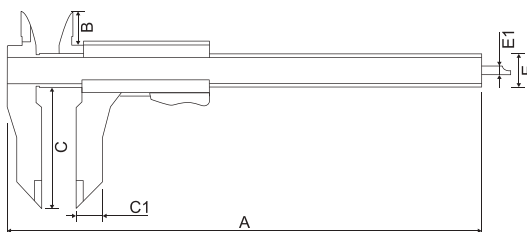
FEATURES

Nonio 1/20.
Readout 0.05 mm.
Hardened stainless steel construction.
Oversized beaks for outdoor use.

Supplied with calibration certificate.




| Code | Range mm | A mm | B mm | C mm | C1 mm | E mm | E1 mm | kg | Price List Page |
|----------|----------|------|------|------|-------|------|-----------|-----|-----------------|
| AB075150 | 0 ÷ 150 | 230 | 20 | 60 | 10 | 16 | 3,8 x 1,2 | 200 | |
| AB075200 | 0 ÷ 200 | 290 | 21 | 80 | 10 | 16 | 3,8 x 1,2 | 270 | |

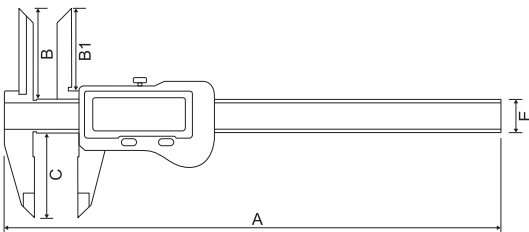


DIGITAL CALIPERS WITH LONG BEAKS FOR INDOOR USE IP67 WITH PRESETS

MEGAline



| Code | Range mm | A mm | B mm | B1 mm | C mm | E mm |  g | Price List Page |
|----------|----------|------|------|-------|------|------|---|-----------------|
| AA099150 | 0 ÷ 150 | 233 | 45 | 45 | 40 | 16 | 170 | |



FEATURES

Accuracy ± 0.02 mm.
 Resolution 0.01 mm.
 Protection IP67.
 Swiss electronics protected against dust and brief immersion in water.
 Hardened stainless steel construction.
 Slide with locking screw.
 Easy handling thanks to ergonomic design.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch


Supplied with calibration certificate.

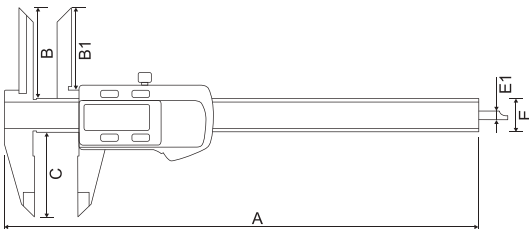
ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

DIGITAL CALIPERS WITH LONG BEAKS FOR INDOOR USE WITH PRESETS



| Code | Range mm | A mm | B mm | B1 mm | C mm | E mm | E1 mm |  g | Price List Page |
|----------|----------|------|------|-------|------|------|-----------|---|-----------------|
| AA104150 | 0 ÷ 150 | 236 | 49,5 | 45 | 40 | 16 | 3,7 x 1,5 | 170 | |
| AA104200 | 0 ÷ 200 | 286 | 54,5 | 50 | 50 | 16 | 3,7 x 1,5 | 200 | |
| AA104300 | 0 ÷ 300 | 400 | 49,5 | 45 | 60 | 17 | 3,7 x 1,5 | 270 | |



FEATURES

Accuracy ± 0.04 mm.
 Resolution 0.01 mm.
 Protection IP40.
 Hardened stainless steel construction.
 Slide with locking screw.
 On/off button.

FUNCTIONS

- Zero
- Preset

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

IP67 INDOOR/OUTDOOR COMPARATOR GAUGE WITH PRESET

FEATURES

Accuracy ± 0.02 mm.
 Resolution 0.01 mm.
 Protection IP67.
 Swiss electronics protected against dust and brief immersion in water.
 Hardened stainless steel construction.
 Slide with locking screw.
 Interchangeable tips for grooves and threads.
 Supplied with dial indicator 0.01 \varnothing 40 mm.
 Analogue version also available on request.

FUNCTIONS

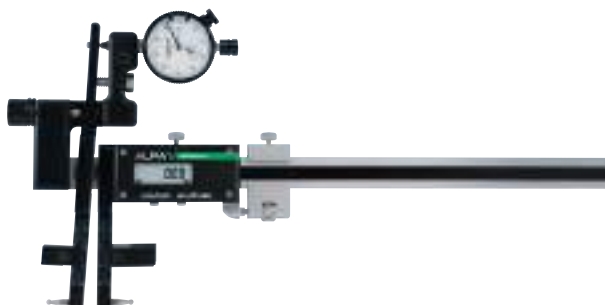
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch


Supplied with calibration certificate.

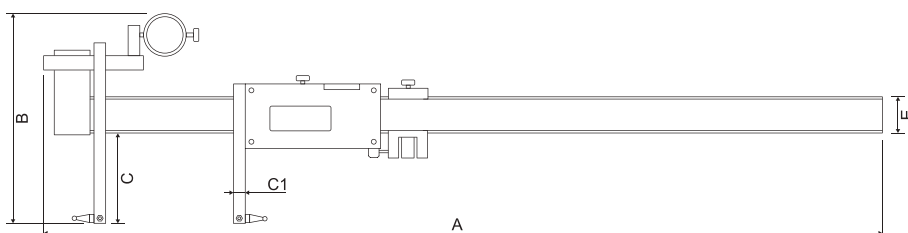
ACCESSORIES

| | |
|-----------------|---|
| ACC02001 | 3V CR2032 battery |
| ACC01001 | USB Proximity Connector |
| ACC01000 | Proximity RS232 connector |
| CC0458 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3,5 mm - Length 8 mm |
| CC04510 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 10 mm |
| CC04512 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3,5 mm - Length 12 mm |
| CC04520 | Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 20 mm |

MEGAline



| Code | Range mm | A mm | B mm | C mm | C1 mm | E mm |  Price List Page |
|-----------------|---------------|------|-------|------|-------|--------|---|
| AA120200 | 20 ÷ 200 x 60 | 325 | 142,5 | 55 | 8 | 18 x 4 | 600 |
| AA120300 | 24 ÷ 300 x 80 | 435 | 182,5 | 75 | 10 | 22 x 5 | 950 |
| AA120500 | 24 ÷ 500 x 80 | 635 | 182,5 | 75 | 10 | 22 x 5 | 1150 |

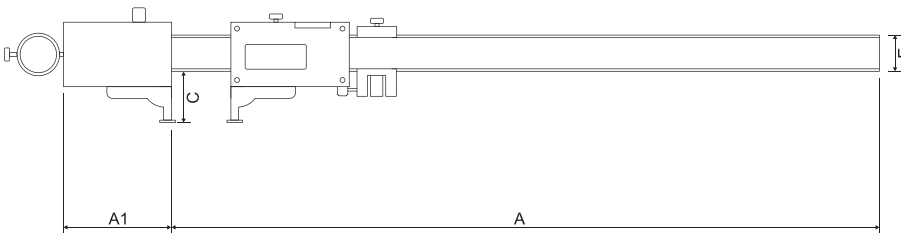


IP67 INDOOR/OUTDOOR COMPARATOR GAUGE WITH PRESET

MEGAline



| Code | Range mm | A mm | A1 mm | C mm | E mm | kg | Price List Page |
|-----------|----------|------|-------|------|---------|-----|-----------------|
| AA125400 | 0 ÷ 400 | 550 | 117 | 75 | 30 x 20 | 1,4 | |
| AA125600 | 0 ÷ 600 | 750 | 117 | 75 | 30 x 20 | 1,9 | |
| AA125800 | 0 ÷ 800 | 950 | 117 | 75 | 30 x 20 | 2,4 | |
| AA1251000 | 0 ÷ 1000 | 1300 | 117 | 75 | 30 x 20 | 2,6 | |
| AA1251500 | 0 ÷ 1500 | 1800 | 117 | 75 | 47 x 16 | 3,1 | |
| AA1252000 | 0 ÷ 2000 | 2300 | 117 | 75 | 47 x 16 | 3,6 | |
| AA1252500 | 0 ÷ 2500 | 2800 | 117 | 75 | 47 x 16 | 4,1 | |
| AA1253000 | 0 ÷ 3000 | 3300 | 117 | 75 | 47 x 16 | 4,6 | |



FEATURES

Accuracy ± 0.02 mm.
 Resolution 0.01 mm.
 Protection IP67.
 Swiss electronics protected against dust and brief immersion in water.
 Carbon fibre structure, light alloy parts.
 Caliper with locking screw and micrometric adjustment.
 Digital calipers for indoor/outdoor measuring with pull and push preload.
 Preload stroke 20 mm.
 Supplied with dial gauge 0.01 mm.
 D.20 spherical plate adapter and pair.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

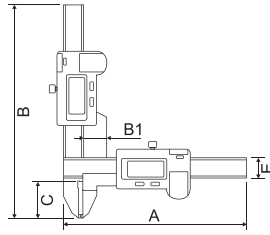
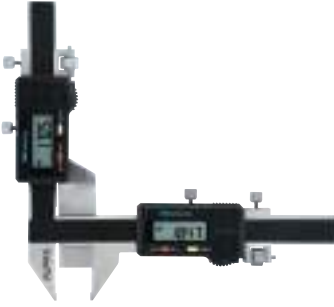
ACCESSORIES


| |
|---|
| ACC02001 |
| 3V CR2032 battery |
| CC0458 |
| Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3.5 mm - Length 8 mm |
| CC04510 |
| Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 10 mm |
| CC04512 |
| Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3.5 mm - Length 12 mm |
| CC04520 |
| Pair of adapters for terminals \varnothing int. M2.5 - \varnothing ext. 3 mm - Length 20 mm |

| Code | Description | Dimensions | Price List Page |
|----------|--|------------|-----------------|
| ACC06001 | Adapter for accessories | | |
| ACC06002 | Pair of pointer gauges for interior/exterior measurement | | |
| ACC06003 | Pair of flat contact tips Ø 6 mm | | |
| ACC06004 | Pair of plungers with conical contacts, 60° | | |
| ACC06005 | Couple of contacts with rounded shaft Ø 10 mm | | |
| ACC06006 | Pair of probe tips for measuring centre distances, Ø 12 mm | | |
| ACC06007 | Pair of contacts for checking grooves | | |
| ACC06008 | Beveled contacts | | |
| ACC06009 | Pair of disc contacts Ø 20 mm, thickness 2 mm | | |

| Code | Description | Dimensions | Price List Page |
|----------|---|------------|-----------------|
| ACC06010 | Pair of conical contacts Ø 18 mm, 60°. | | |
| ACC06011 | Couple of contacts with rounded shaft Ø 10 mm | | |
| ACC06012 | Pair of dial calipers for measuring centre distances, Ø 10 mm | | |
| ACC06013 | Pair of contacts for checking grooves | | |
| ACC06014 | Beveled contacts | | |
| ACC06015 | Pair of disc contacts Ø 20 mm, thickness 2 mm | | |
| ACC06016 | Pair of Ø 30 mm, 60° conical contacts | | |
| ACC06017 | Bevelled contacts of different lengths | | |
| ACC06018 | Pair of disc contacts Ø 16 mm, thickness 1 mm | | |

DIGITAL CALIPERS FOR GEARS WITH MICROMETRIC ADJUSTMENT



| Code | Module | A mm | B mm | B1 mm | C mm | E mm |  Price List Page |
|---------|--------|------|------|-------|------|------|---|
| AA14025 | 1 - 25 | 166 | 166 | 21 | 30,5 | 13 | 400 |
| AA14050 | 5 - 50 | 166 | 166 | 21 | 30,5 | 13 | 400 |

FEATURES

Accuracy ± 0.04 mm.
Resolution 0.01 mm.
Protection IP40.
Calipers with locking screw and micrometric adjustment.
Stainless steel construction.
Hardened measuring surfaces.

FUNCTIONS

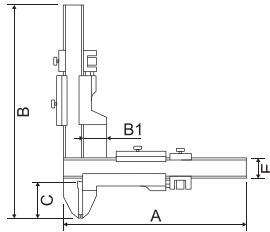
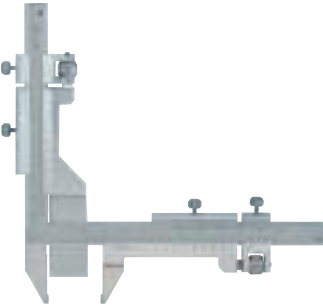
- Zero


Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

GEAR CALIPER WITH MICROMETRIC ADJUSTMENT



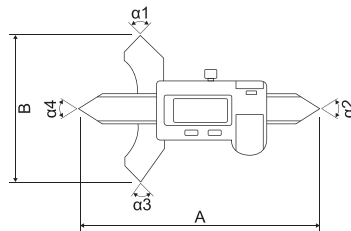
| Code | Module | A mm | B mm | B1 mm | C mm | E mm |  Price List Page |
|---------|--------|------|------|-------|------|------|---|
| AB14025 | 1 - 25 | 166 | 155 | 20,5 | 30 | 12 | 400 |
| AB14050 | 5 - 50 | 166 | 155 | 20,5 | 30 | 12 | 400 |


FEATURES

Accuracy ± 0.04 mm.
Resolution 0.02 mm.
Calipers with clamping screw and micrometric adjustment.
Stainless steel construction.
Hardened measuring surfaces.

Supplied with calibration certificate.

DIGITAL CALIPERS FOR WELDING



| Code | Range mm | A mm | B mm | $\alpha 1$ | $\alpha 2$ | $\alpha 3$ | $\alpha 4$ |  Price List Page |
|---------|----------|------|------|------------|------------|------------|------------|---|
| AA14520 | 0 ÷ 20 | 100 | 60 | 90° | 70° | 80° | 60° | 130 |

FEATURES

Accuracy ± 0.03 mm.
Resolution 0.01 mm.
Protection IP40.
Course with locking screw.
Chrome-plated stainless steel frame.
On/off button.
Nonius 1/10.
Angles 60°, 70°, 80°, 90°.

FUNCTIONS

- Zero
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

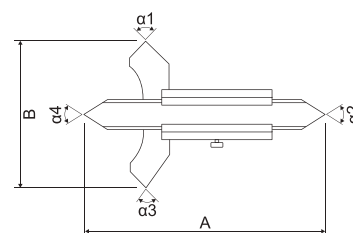
| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |


WELDING GAUGE

FEATURES

Accuracy ± 0.04 mm.
Resolution 0.1 mm.
Slide with locking screw.
Chrome-plated stainless steel frame.
60°, 70°, 80°, 90° angles.

Supplied with calibration certificate.



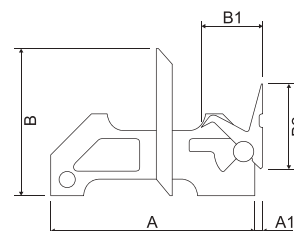
| Code | Range mm | A mm | B mm | $\alpha 1$ | $\alpha 2$ | $\alpha 3$ | $\alpha 4$ |  g | Price List Page |
|---------|----------|------|------|------------|------------|------------|------------|---|-----------------|
| AB14520 | 0 ÷ 20 | 100 | 60 | 90° | 70° | 80° | 60° | 80 | |


WELDING GAUGE

FEATURES

Accuracy ± 0.4 mm.
Accuracy $\pm 0.7^\circ$.
Resolution 0.1 mm.
Steel construction.
Measurement of fusion drop size and alignment, gap and undercut, etc..

Supplied with calibration certificate.



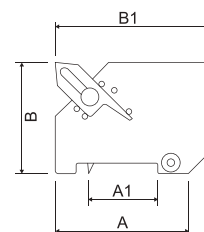
| Code | Range mm | Graduation | A mm | A1 mm | B mm | B1 mm | B2 mm |  g | Price List Page |
|---------|----------|------------|------|-------|------|-------|-------|---|-----------------|
| AB14750 | 0 ÷ 50 | 0° - 60° | 125 | 4,1 | 90 | 37,5 | 52 | 200 | |


WELDING GAUGE

FEATURES

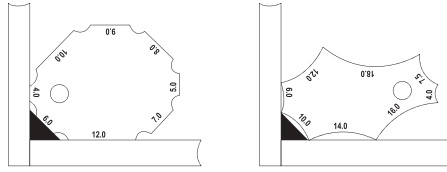
Accuracy ± 0.4 mm.
Accuracy $\pm 2^\circ$.
Resolution 0.1 mm.
Stainless steel construction.


Supplied with calibration certificate.



| Code | Range mm | Graduation | A mm | A1 mm | B mm | B1 mm |  g | Price List Page |
|---------|----------|------------|------|-------|------|-------|---|-----------------|
| AB14810 | 0 ÷ 10 | 0° - 60° | 82 | 42 | 70 | 95 | 150 | |

WELDING GAUGES



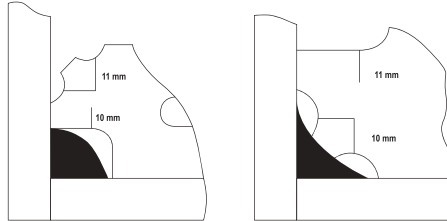
| Code | Thread mm |  | Price List Page |
|-----------|--------------------------|---|--------------------|
| AB1490412 | 4, 5, 6, 7, 8, 9, 10, 12 | 50 | |


FEATURES

Accuracy ± 0.5 mm.
Stainless steel construction.
Marked on both faces.
Ideal for angle weld seam height and length control.

Supplied with calibration certificate.

WELDING GAUGE 7 BLADES



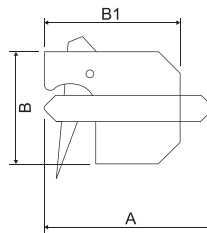
| Code | Thread mm |  | Price List Page |
|-----------|--|---|--------------------|
| AB1500425 | 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 16, 19, 22, 25 | 200 | |


FEATURES

Accuracy ± 0.5 mm.
Stainless steel construction.
Measures concave and convex welds.
Each blade measures 2 weld sizes.
Marked on both sides.

Supplied with calibration certificate.

WELDING GAUGE



| Code | Range mm | Graduation | A mm | B mm | B1 mm |  | Price List Page |
|---------|-------------|------------|---------|---------|----------|---|--------------------|
| AB15110 | 0 ÷ 10 | 0° - 60° | 70,5 | 46,8 | 56,8 | 80 | |

FEATURES

Accuracy ± 0.4 mm.
Accuracy $\pm 0.7^\circ$.
Resolution 0.1 mm.
Stainless steel construction.
For measuring fittings and drops.

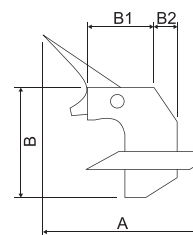
Supplied with calibration certificate.


WELDING GAUGE

FEATURES

Accuracy ± 0.4 mm.
Accuracy $\pm 0.7^\circ$.
Resolution 0.1 mm.
Stainless steel construction.
For measuring fittings and drops.

Supplied with calibration certificate.



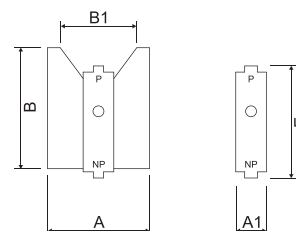
| Code | Range mm | Graduation | A mm | B mm | B1 mm | B2 mm |  | Price List Page |
|----------|----------|------------|------|------|-------|-------|---|-----------------|
| AB152100 | 0 ÷ 100 | 0° - 60° | 70 | 67 | 41 | 14 | 90 | |


PLUG GAUGE

FEATURES

Plug gauge for checking keyway.
Centring and P/NP.

Supplied with calibration certificate.

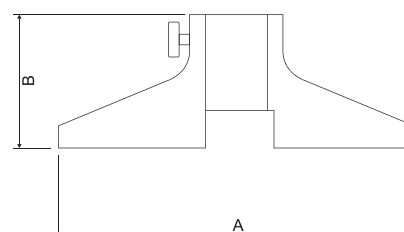


| Code | A mm | A1 mm | B mm | B1 mm | E mm |  | Pieces | Price List Page |
|-----------|------|-------|------|-------|------|---|--------------------|-----------------|
| AB1561220 | 75 | 20 | 75 | 65 | 75 | 180 | 5 (12-14-16-18-20) | |
| AB156412 | 40 | 12 | 45 | 30 | 44 | 160 | 6 (4-5-6-8-10-12) | |

DEPTH BASE FOR GAUGES

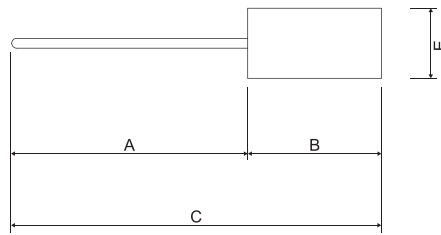
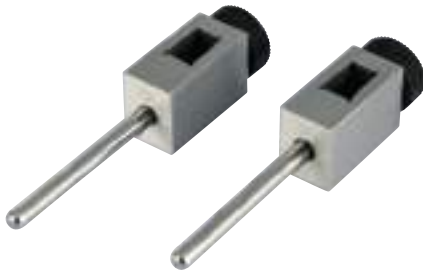
FEATURES

Base for standard gauges up to 300 mm to be applied to facilitate depth measurements.



| Code | A mm | B mm | Price List Page |
|----------|------|------|-----------------|
| ACC03001 | 76 | 30 | |

THROAT GAUGES

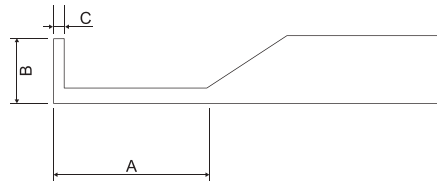


| Code | A mm | B mm | C mm | E mm | Price List Page |
|----------|------|------|------|------|-----------------|
| ACC11030 | 30 | 25 | 55 | 15,5 | |

FEATURES

Pair of one-piece stainless steel probes made to order, to be used for taking measurements of internal and external grooves, applicable to all large outdoor gauges in the catalogue. When ordering, always indicate the code of the gauge you wish to combine them with.

INTERCHANGEABLE BEAKS FOR INTERNAL GROOVES

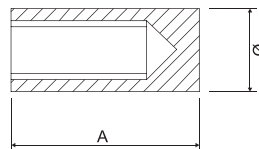


| Code | A mm | B mm | C mm | Price List Page |
|----------|--------------|-----------------|--------------------|-----------------|
| ACC05SET | 10 - 15 - 25 | 2,5 - 3,7 - 7,5 | 0,38 - 0,38 - 0,64 | |

FEATURES

Max. beak thickness 3.5 mm (for digital gauges with presets).

POINTER ADAPTERS



| Code | A mm | Ø mm | Price List Page |
|---------|------|------|-----------------|
| CC0458 | 8 | 3,5 | |
| CC04510 | 10 | 3,5 | |
| CC04512 | 12 | 3,5 | |
| CC04520 | 20 | 3,5 | |

FEATURES

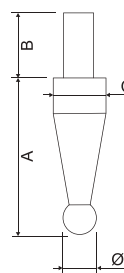
Pair of adapters required for use of M 2.5 mm test leads.

INTERCHANGEABLE M 2.5 BALL TIP FOR DIAL GAUGES

FEATURES

Spherical ferrule M2.5 x 0.45 6g hardened steel for gauges and dial gauges.

Tungsten carbide available on request.

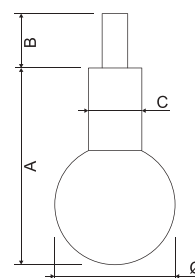


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|----------|------|------|------|------|-----------------|
| CC0201 | 12 | 5 | 4 | 1 | |
| CC0201,5 | 12 | 5 | 4 | 1,5 | |
| CC0202 | 12 | 5 | 4 | 2 | |
| CC0202,5 | 12 | 5 | 4 | 2,5 | |
| CC0203 | 12 | 5 | 4 | 3 | |
| CC0203,5 | 12 | 5 | 4 | 3,5 | |
| CC0204 | 12 | 5 | 4 | 4 | |
| CC0204,5 | 12 | 5 | 4 | 4,5 | |
| CC0205 | 12 | 5 | 4 | 5 | |
| CC0205,5 | 12 | 5 | 4 | 5,5 | |
| CC0206 | 12 | 5 | 4 | 6 | |
| CC0206,5 | 12 | 5 | 4 | 6,5 | |

INTERCHANGEABLE M 2.5 BALL TIP FOR DIAL GAUGES

FEATURES

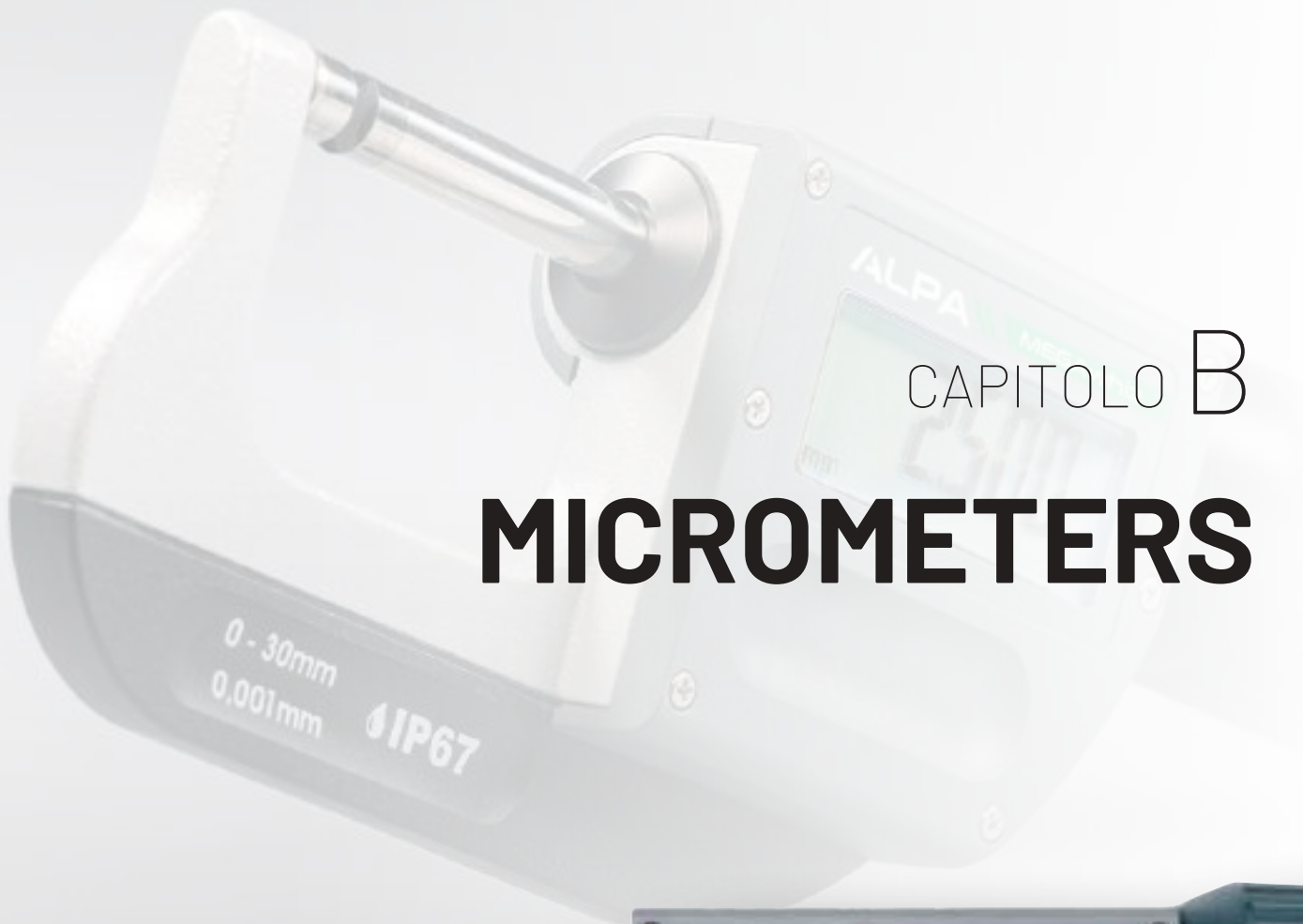
Spherical steel ferrule M2,5 6g for gauges and dial gauges.



| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|-----------|------|------|------|------|-----------------|
| CC0217 | 18 | 5 | 5 | 7 | |
| CC0217,5 | 18 | 5 | 5 | 7,5 | |
| CC0218 | 18 | 5 | 5 | 8 | |
| CC0218,5 | 18 | 5 | 5 | 8,5 | |
| CC0219 | 18 | 5 | 5 | 9 | |
| CC0219,5 | 18 | 5 | 5 | 9,5 | |
| CC02110 | 18 | 5 | 5 | 10 | |
| CC02110,5 | 18 | 5 | 5 | 10,5 | |
| CC02111 | 18 | 5 | 5 | 11 | |
| CC02111,5 | 18 | 5 | 5 | 11,5 | |

CAPITOLO B

MICROMETERS

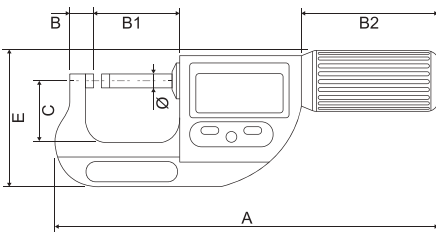


IP67 DIGITAL MICROMETER WITH FAST FEED AND PRESET

MEGAwhiz



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | E mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|------|-------|---------|------|------|------|-----------------|
| BA01030 | 0 ÷ 30 | ± 0,003 | 181 | 12,5 | 37,3 | 68x28,5 | 27,5 | 63 | 6,5 | |
| BA01066 | 30 ÷ 66 | ± 0,004 | 230 | 13,5 | 73,3 | 74x28,5 | 43 | 86 | 6,5 | |
| BA010102 | 66 ÷ 102 | ± 0,005 | 269 | 14,5 | 109,3 | 74x28,5 | 60 | 106 | 6,5 | |
| BA010136 | 100 ÷ 136 | ± 0,005 | 306 | 19,5 | 143,3 | 74x28,5 | 95 | 151 | 6,5 | |
| BA010161 | 125 ÷ 161 | ± 0,005 | 339 | 19,5 | 168,3 | 74x28,5 | 110 | 169 | 6,5 | |

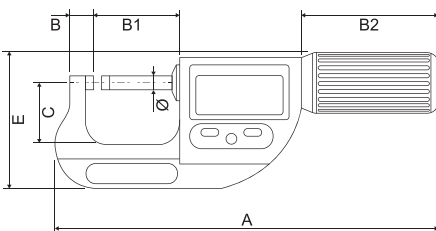


IP67 DIGITAL MICROMETER WITH FAST FEED, BLUETOOTH® AND PRESETS

S_Mike PRO Smart



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | E mm | Ø mm | Price List Page |
|------------|----------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BA012030BT | 0 ÷ 30 | ± 0,003 | 181 | 12,5 | 37,3 | 68 | 27,5 | 63 | 6,5 | |
| BA012066BT | 30 ÷ 66 | ± 0,004 | 230 | 13,5 | 73,3 | 74 | 43 | 86 | 6,5 | |
| BA012102BT | 66 ÷ 102 | ± 0,005 | 269 | 14,5 | 109,3 | 74 | 60 | 106 | 6,5 | |



FEATURES

- Resolution 0.001 mm.
- IP67 protection.
- Swiss electronics protected against dust and brief immersion in water.
- Automatic switch-on by moving the drum.
- Stand-by position memory.
- Drum stroke (10 mm/revolution).
- Selectable measuring force 5N / 10N (BA01030 version).
- Non-rotating stem.
- Tungsten carbide contacts.
- 6.5 mm diameter stem.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|---------------------------|
| ACC01000 | Proximity RS232 connector |
| ACC01001 | USB Proximity Connector |
| ACC02001 | 3V CR2032 battery |



FEATURES

- Resolution 0.001 mm.
- IP67 protection.
- Electronics protected against dust and brief immersion in water.
- Automatic switch-on by moving the drum.
- Stand-by position memory.
- Drum stroke (10 mm/revolution).
- Selectable measuring force 5N / 10N (BA012030BT version).
- Non-rotating stem.
- Tungsten carbide contacts.
- 6.5 mm diameter stem.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|-------------------|
| ACC02001 | 3V CR2032 battery |
| BC076BLE | Bluetooth device |

IP65 DIGITAL MICROMETER WITH RAPID FEED

FEATURES

Resolution 0.001 mm.
 IP65 protection.
 Electronics protected against dust and water jets.
 Fast feed (2 mm/revolution).
 Tungsten carbide contacts.
 Painted arc.

FUNCTIONS

- Zero
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

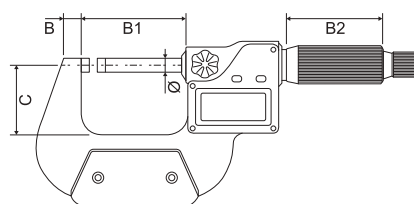
ACCESSORIES

ACC02002

Battery 1.5V LR44



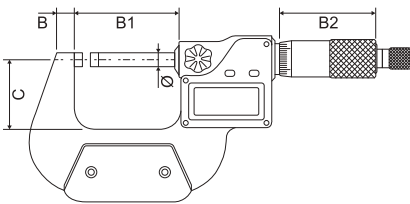
| Code | Range mm | Accuracy mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|------|-------|-------|------|------|-----------------|
| BA02025 | 0 ÷ 25 | ± 0,002 | 6 | 34,5 | 46x20 | 25 | 6,5 | |
| BA02050 | 25 ÷ 50 | ± 0,003 | 8 | 84,5 | 46x20 | 44,5 | 6,5 | |
| BA02075 | 50 ÷ 75 | ± 0,003 | 8 | 109,5 | 46x20 | 57 | 6,5 | |
| BA020100 | 75 ÷ 100 | ± 0,002 | 8 | 59,5 | 46x20 | 32 | 6,5 | |



IP65 DIGITAL MICROMETER



| Code | Range mm | Accuracy mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|-------|-------|-------|------|-----------------|
| BA02525 | 0 ÷ 25 | ± 0,002 | 6 | 34,5 | 47x18 | 25 | 6,5 | |
| BA02550 | 25 ÷ 50 | ± 0,002 | 8 | 59,5 | 47x18 | 32 | 6,5 | |
| BA02575 | 50 ÷ 75 | ± 0,002 | 8 | 84,5 | 47x18 | 44,5 | 6,5 | |
| BA025100 | 75 ÷ 100 | ± 0,002 | 8 | 109,5 | 47x18 | 57 | 6,5 | |
| BA025125 | 100 ÷ 125 | ± 0,002 | 10 | 135 | 47x18 | 70 | 6,5 | |
| BA025150 | 125 ÷ 150 | ± 0,002 | 10 | 160,5 | 47x18 | 82 | 6,5 | |
| BA025175 | 150 ÷ 175 | ± 0,003 | 12 | 186 | 47x18 | 94,5 | 6,5 | |
| BA025200 | 175 ÷ 200 | ± 0,003 | 12 | 211,5 | 47x18 | 107 | 6,5 | |
| BA025225 | 200 ÷ 225 | ± 0,004 | 23 | 236 | 47x18 | 129 | 6,5 | |
| BA025250 | 225 ÷ 250 | ± 0,004 | 23 | 261,5 | 47x18 | 142,5 | 6,5 | |
| BA025275 | 250 ÷ 275 | ± 0,005 | 23 | 287 | 47x18 | 155 | 6,5 | |
| BA025300 | 275 ÷ 300 | ± 0,005 | 23 | 310 | 47x18 | 170 | 6,5 | |



FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.
On/off button.

FUNCTIONS

- Zero
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

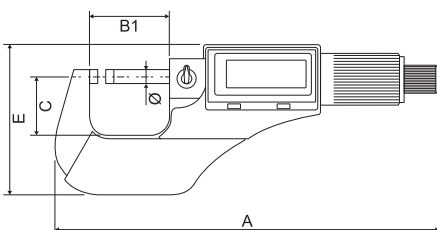
ACCESSORIES

ACC02001
3V CR2032 battery

IP40 DIGITAL MICROMETER



| Code | Range mm | Accuracy mm | A mm | B1 mm | C mm | E mm | Ø mm | Price List Page |
|---------|----------|-------------|------|-------|-------|------|------|-----------------|
| BA02725 | 0 ÷ 25 | ± 0,003 | 60,2 | 22,5 | 155 | 27,3 | 6,5 | |
| BA02750 | 25 ÷ 50 | ± 0,003 | 77,9 | 31 | 185,4 | 27,3 | 6,5 | |



FEATURES

Resolution 0.001 mm.
IP40 protection.
Contacts hard metal.
Painted arc.
On/off button.

FUNCTIONS

- Zero
- ABS
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001
3V CR2032 battery

IP65 DIGITAL MICROMETER WITH PRESET

FEATURES

Resolution 0.001 mm.
 IP65 protection.
 Electronics protected against dust and water jets.
 Contacts hard metal.
 Painted arc.
 On/off button.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

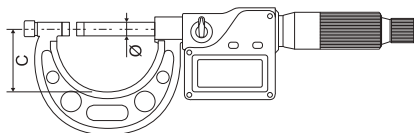
Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |



| Code | Range mm | Accuracy mm | C mm | Ø mm | Price List Page |
|-----------|-----------|-------------|-------|------|-----------------|
| BA030100 | 0 ÷ 100 | ± 0,003 | 130,5 | 8 | |
| BA030200 | 100 ÷ 200 | ± 0,004 | 230,5 | 8 | |
| BA030300A | 200 ÷ 300 | ± 0,005 | 332 | 8 | |
| BA030300B | 150 ÷ 300 | ± 0,005 | 332 | 8 | |
| BA030400 | 300 ÷ 400 | ± 0,011 | 225 | 24 | |
| BA030500 | 400 ÷ 500 | ± 0,013 | 275 | 24 | |



CENTESIMAL MICROMETER WITH COUNTER

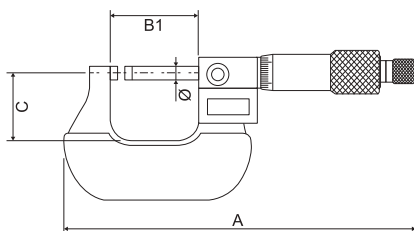
FEATURES

Resolution 0.01 mm.
 Tungsten carbide contacts.
 Painted arc.
 Mechanical counter for fast reading.

Supplied with calibration certificate.



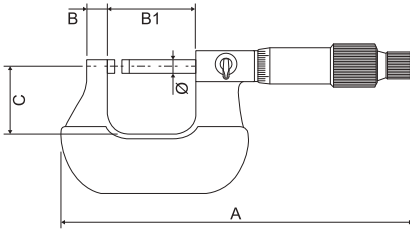
| Code | Range mm | Accuracy mm | A mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|------|-------|------|------|-----------------|
| BB01025 | 0 ÷ 25 | ± 0,004 | 129 | 32 | 26 | 6,5 | |
| BB01050 | 25 ÷ 50 | ± 0,004 | 154 | 57 | 32 | 6,5 | |
| BB01075 | 50 ÷ 75 | ± 0,005 | 179 | 82 | 44,5 | 6,5 | |
| BB010100 | 75 ÷ 100 | ± 0,005 | 204 | 107 | 57 | 6,5 | |



CENTESIMAL MICROMETER



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|------|-------|------|------|-----------------|
| BB03525 | 0 ÷ 25 | ± 0,004 | 119 | 6 | 32 | 24 | 6,5 | |
| BB03550 | 25 ÷ 50 | ± 0,004 | 146 | 8 | 57 | 32 | 6,5 | |
| BB03575 | 50 ÷ 75 | ± 0,005 | 171 | 8 | 82 | 45 | 6,5 | |
| BB035100 | 75 ÷ 100 | ± 0,005 | 196 | 8 | 107 | 57 | 6,5 | |
| BB035125 | 100 ÷ 125 | ± 0,006 | 222 | 8 | 133 | 70 | 6,5 | |
| BB035150 | 125 ÷ 150 | ± 0,006 | 247 | 8 | 158 | 82 | 6,5 | |



FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.
Painted arc.
Clutch on drum.

Supplied with calibration certificate.

CENTESIMAL MICROMETER SET



| Code | Range mm | Composition | Price List Page |
|--------------|----------|--|-----------------|
| BB036SET0100 | 0 ÷ 100 | BB03525 - BB03550 - BB03575 - BB035100 | |
| BB036SET0150 | 0 ÷ 150 | BB03525 - BB03550 - BB03575 - BB035100 - BB035125 - BB035150 | |

FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.
Painted arc.
Clutch on drum.

Supplied with calibration certificate.

CENTESIMAL MICROMETER

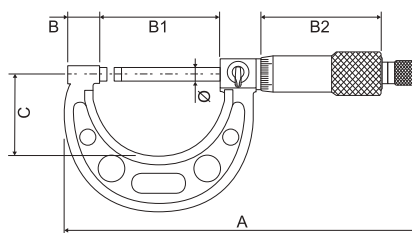
FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|-----------|-------------|-------|------|-------|-------|------|------|-----------------|
| BB01525 | 0 ÷ 25 | ± 0,004 | 125 | 9 | 32 | 47x18 | 28 | 6,5 | |
| BB01550 | 25 ÷ 50 | ± 0,004 | 155 | 14 | 57 | 47x18 | 38 | 6,5 | |
| BB01575 | 50 ÷ 75 | ± 0,005 | 181 | 15 | 82 | 47x18 | 49 | 6,5 | |
| BB015100 | 75 ÷ 100 | ± 0,005 | 206 | 15 | 107 | 47x18 | 60 | 6,5 | |
| BB015125 | 100 ÷ 125 | ± 0,006 | 233,5 | 16,5 | 133 | 47x18 | 73 | 6,5 | |
| BB015150 | 125 ÷ 150 | ± 0,006 | 258,5 | 16,5 | 158 | 47x18 | 85 | 6,5 | |
| BB015175 | 150 ÷ 175 | ± 0,007 | 286,4 | 19,4 | 183 | 47x18 | 104 | 6,5 | |
| BB015200 | 175 ÷ 200 | ± 0,007 | 312,4 | 19,4 | 209 | 47x18 | 117 | 6,5 | |
| BB015225 | 200 ÷ 225 | ± 0,008 | 337,4 | 19,4 | 234 | 47x18 | 130 | 6,5 | |
| BB015250 | 225 ÷ 250 | ± 0,008 | 363,4 | 19,4 | 260 | 47x18 | 142 | 6,5 | |
| BB015275 | 250 ÷ 275 | ± 0,009 | 388,4 | 19,4 | 285 | 47x18 | 155 | 6,5 | |
| BB015300 | 275 ÷ 300 | ± 0,009 | 413,4 | 19,4 | 310 | 47x18 | 168 | 6,5 | |



CENTESIMAL MICROMETER SET

FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.

Supplied with calibration certificate.

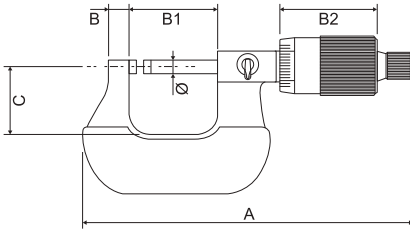


| Code | Range mm | Composition | Price List Page |
|-------------|--------------|---|-----------------|
| BB020100SET | Set 0 to 100 | BB01525 - BB01550 - BB01575 - BB015100 | |
| BB020150SET | Set 0 ÷ 150 | BB01525 - BB01550 - BB01575 - BB015100 BB015125 - BB01550 | |
| BB020300SET | Set 0 to 300 | BB01525 - BB01550 - BB01575 - BB015100 BB015125 - BB015150 - BB015175 BB015200 - BB015225 - BB015250 BB015275 - BB015300 | |

CENTESIMAL MICROMETER WITH LARGE DRUM



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|------|-------|-------|------|------|-----------------|
| BB03025 | 0 ÷ 25 | ± 0,004 | 122 | 6 | 32 | 48x30 | 24 | 8 | |
| BB03050 | 25 ÷ 50 | ± 0,004 | 149 | 8 | 57 | 48x30 | 32 | 8 | |
| BB03075 | 50 ÷ 70 | ± 0,005 | 174 | 8 | 82 | 48x30 | 45 | 8 | |
| BB030100 | 75 ÷ 100 | ± 0,005 | 199 | 8 | 107 | 48x30 | 57 | 8 | |
| BB030125 | 100 ÷ 125 | ± 0,006 | 225 | 8 | 133 | 48x30 | 70 | 8 | |
| BB030150 | 125 ÷ 150 | ± 0,006 | 265 | 8 | 173 | 48x30 | 82 | 8 | |
| BB030175 | 150 ÷ 175 | ± 0,007 | 275 | 8 | 183 | 48x30 | 95 | 8 | |
| BB030200 | 175 ÷ 200 | ± 0,007 | 301 | 8 | 209 | 48x30 | 107 | 8 | |



FEATURES

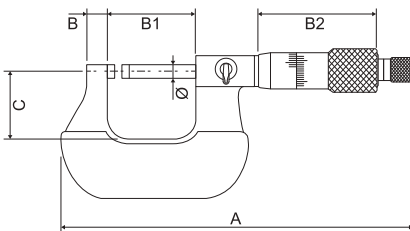
Resolution 0.01 mm.
Drum stroke (1 mm/revolution).
Tungsten carbide contacts.
Painted arc.
Drum friction.

Supplied with calibration certificate.

MILLESIMAL MICROMETER



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|------|------|-------|---------|------|------|-----------------|
| BB02625 | 0 ÷ 25 | ± 0,004 | 122 | 8 | 24 | 50x19,5 | 24 | 6,5 | |
| BB02650 | 25 ÷ 50 | ± 0,004 | 149 | 8 | 32 | 50x19,5 | 32 | 6,5 | |
| BB02675 | 50 ÷ 75 | ± 0,005 | 174 | 8 | 45 | 50x19,5 | 45 | 6,5 | |
| BB026100 | 75 ÷ 100 | ± 0,005 | 199 | 6 | 57 | 50x19,5 | 57 | 6,5 | |



FEATURES

Resolution 0.001 mm.
Contacts tungsten carbide.
Painted arc.

Supplied with calibration certificate.

OUTDOOR MICROMETER

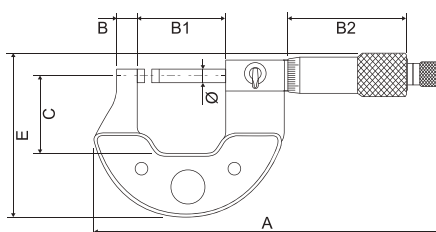
FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.
Painted arc with heat-insulating pads.
Sensitive clutch on drum.
Matt chrome-plated graduated drum.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | E mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BB002025 | 0 ÷ 25 | ± 0,004 | 61 | 7,1 | 32,5 | 47,5 | 25,5 | 135 | 6,5 | |
| BB002050 | 25 ÷ 50 | ± 0,004 | 75 | 7,1 | 57,5 | 47,5 | 30,5 | 162 | 6,5 | |
| BB002075 | 50 ÷ 75 | ± 0,005 | 95 | 8 | 83 | 47,5 | 45 | 195 | 6,5 | |
| BB002100 | 75 ÷ 100 | ± 0,005 | 112 | 8 | 108 | 47,5 | 58 | 220 | 6,5 | |
| BB002125 | 100 ÷ 125 | ± 0,006 | 128 | 8 | 133 | 47,5 | 67,5 | 245 | 6,5 | |
| BB002150 | 125 ÷ 150 | ± 0,006 | 140 | 8 | 158 | 47,5 | 82 | 270 | 6,5 | |
| BB002175 | 150 ÷ 175 | ± 0,007 | 160 | 8 | 183 | 47,5 | 93 | 300 | 6,5 | |
| BB002200 | 175 ÷ 200 | ± 0,007 | 190 | 8 | 208 | 47,5 | 108 | 320 | 6,5 | |



CENTESIMAL MICROMETER

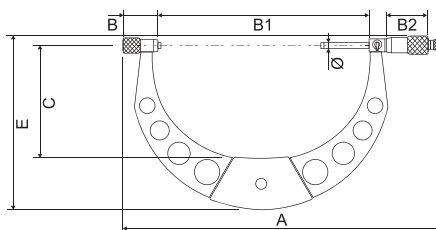
FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.
Painted arc with heat-insulating pads.
Clutch on drum.
Matt chrome-plated graduated drum.

Supplied with calibration certificate.



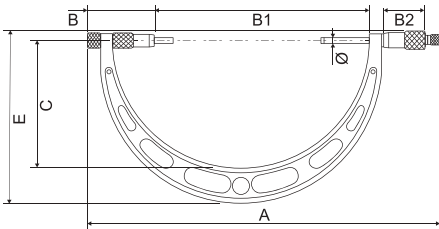
| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | E mm | Ø mm | Price List Page |
|----------|-----------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BB004300 | 200 ÷ 300 | ± 0,009 | 450 | 48,5 | 337 | 47,5 | 175 | 262 | 8 | |
| BB004400 | 300 ÷ 400 | ± 0,011 | 450 | 43,5 | 437 | 47,5 | 225 | 262 | 8 | |
| BB004500 | 400 ÷ 500 | ± 0,013 | 450 | 43,5 | 537 | 47,5 | 275 | 262 | 8 | |



LIGHT ALLOY CENTESIMAL MICROMETER



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | E mm | Ø mm | Price List Page |
|-----------|------------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BB008600 | 500 ÷ 600 | ± 0,014 | 644 | 105 | 582 | 74 | 325 | 450 | 10 | |
| BB008700 | 600 ÷ 700 | ± 0,016 | 745 | 105 | 682 | 74 | 375 | 500 | 10 | |
| BB008800 | 700 ÷ 800 | ± 0,018 | 846 | 105 | 782 | 74 | 425 | 550 | 10 | |
| BB008900 | 800 ÷ 900 | ± 0,020 | 948 | 105 | 882 | 74 | 475 | 600 | 10 | |
| BB0081000 | 900 ÷ 1000 | ± 0,022 | 1050 | 105 | 982 | 74 | 525 | 650 | 10 | |

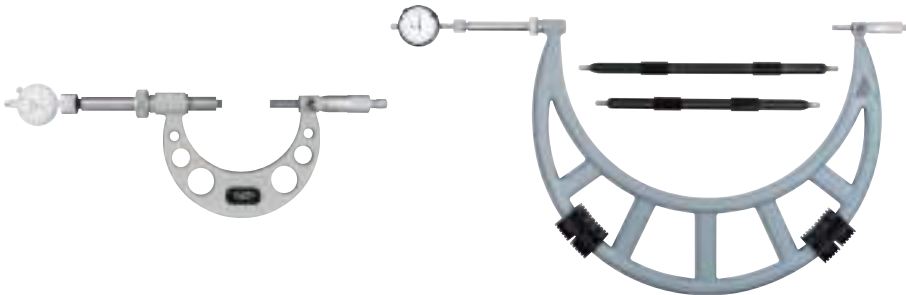


FEATURES

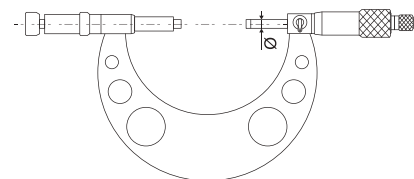
Resolution 0.01 mm.
Tungsten carbide contacts.
Forged aluminium arc with heat-insulating cheeks.
Opaque graduated drum.

Supplied with calibration certificate.

CENTESIMAL MICROMETER WITH DIAL INDICATOR



| Code | Range mm | Accuracy mm | Arch | Ø mm | Price List Page |
|-----------|------------|-------------|---------|------|-----------------|
| BB007100 | 0 ÷ 100 | ± 0,006 | Solid | 8 | |
| BB007200 | 100 ÷ 200 | ± 0,007 | Solid | 8 | |
| BB007300 | 200 ÷ 300 | ± 0,008 | Solid | 8 | |
| BB007400 | 300 ÷ 400 | ± 0,009 | Tubular | 8 | |
| BB007500 | 400 ÷ 500 | ± 0,010 | Tubular | 8 | |
| BB007600 | 500 ÷ 600 | ± 0,011 | Tubular | 8 | |
| BB007700 | 600 ÷ 700 | ± 0,012 | Tubular | 8 | |
| BB007800 | 700 ÷ 800 | ± 0,013 | Tubular | 8 | |
| BB007900 | 800 ÷ 900 | ± 0,014 | Tubular | 8 | |
| BB0071000 | 900 ÷ 1000 | ± 0,015 | Tubular | 8 | |



FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts | Painted arc.
Wide measuring range and high precision.
Suitable for series measurements.
Centesimal dial indicator with measuring range 0-5 mm.
Maximum force 10N.

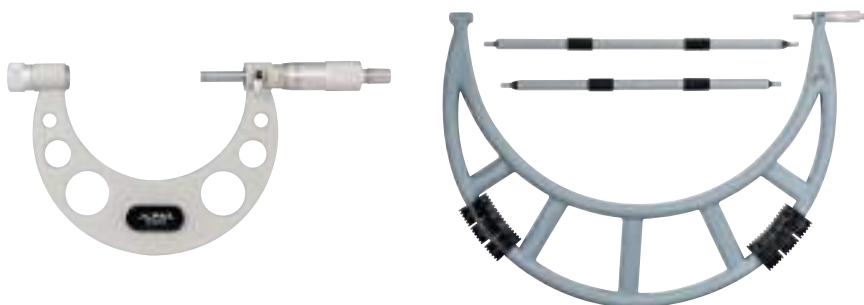
Supplied with calibration certificate.

CENTESIMAL MICROMETER

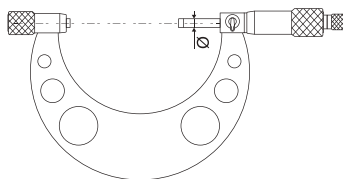
FEATURES

Resolution 0.01 mm.
 Tungsten carbide contacts.
 Painted arc.
 Clutch on drum.
 Matt chrome-plated graduated drum.
 Locking lever.
 Supplied with zeroing stops.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | Arch | Ø mm | Price List Page |
|-----------|-------------|-------------|---------|------|-----------------|
| BB006100 | 0 ÷ 100 | ± 0,007 | Solid | 8 | |
| BB006200 | 100 ÷ 200 | ± 0,008 | Solid | 8 | |
| BB006300 | 200 ÷ 300 | ± 0,009 | Solid | 8 | |
| BB006400 | 300 ÷ 400 | ± 0,011 | Tubular | 8 | |
| BB006500 | 400 ÷ 500 | ± 0,013 | Tubular | 8 | |
| BB006600 | 500 ÷ 600 | ± 0,015 | Tubular | 8 | |
| BB006700 | 600 ÷ 700 | ± 0,016 | Tubular | 8 | |
| BB006800 | 700 ÷ 800 | ± 0,018 | Tubular | 8 | |
| BB006900 | 800 ÷ 900 | ± 0,020 | Tubular | 8 | |
| BB0061000 | 900 ÷ 1000 | ± 0,020 | Tubular | 8 | |
| BB0061200 | 1000 ÷ 1200 | ± 0,020 | Tubular | 8 | |
| BB0061400 | 1200 ÷ 1400 | ± 0,024 | Tubular | 8 | |
| BB0061600 | 1400 ÷ 1600 | ± 0,028 | Tubular | 8 | |
| BB0061800 | 1600 ÷ 1800 | ± 0,031 | Tubular | 8 | |
| BB0062000 | 1800 ÷ 2000 | ± 0,034 | Tubular | 8 | |



STRIKE RODS FOR ZEROING OUTDOOR MICROMETERS



| Code | Range mm | Accuracy mm | Ø mm | Price List Page |
|----------|----------|-------------|------|-----------------|
| BC03525 | 25 | ± 0,002 | 8 | |
| BC03550 | 50 | ± 0,002 | 7 | |
| BC03575 | 75 | ± 0,0025 | 7 | |
| BC035100 | 100 | ± 0,0025 | 8 | |
| BC035125 | 125 | ± 0,003 | 8 | |
| BC035150 | 150 | ± 0,003 | 8 | |
| BC035175 | 175 | ± 0,0035 | 8 | |
| BC035200 | 200 | ± 0,004 | 8 | |
| BC035225 | 225 | ± 0,004 | 8 | |
| BC035250 | 250 | ± 0,004 | 8 | |
| BC035275 | 275 | ± 0,0045 | 8 | |
| BC035300 | 300 | ± 0,0045 | 16 | |
| BC035325 | 325 | ± 0,005 | 16 | |
| BC035350 | 350 | ± 0,005 | 6 | |
| BC035375 | 375 | ± 0,0055 | 16 | |
| BC035400 | 400 | ± 0,0055 | 16 | |
| BC035425 | 425 | ± 0,006 | 16 | |
| BC035450 | 450 | ± 0,006 | 16 | |
| BC035475 | 475 | ± 0,0065 | 16 | |
| BC035500 | 500 | ± 0,0065 | 16 | |
| BC035525 | 525 | ± 0,007 | 16 | |
| BC035550 | 550 | ± 0,007 | 16 | |
| BC035575 | 575 | ± 0,0075 | 16 | |
| BC035600 | 600 | ± 0,0075 | 16 | |
| BC035625 | 625 | ± 0,0075 | 16 | |
| BC035650 | 650 | ± 0,008 | 16 | |
| BC035675 | 675 | ± 0,008 | 16 | |
| BC035700 | 700 | ± 0,0085 | 16 | |
| BC035725 | 725 | ± 0,0085 | 16 | |
| BC035750 | 750 | ± 0,0095 | 16 | |
| BC035775 | 775 | ± 0,0095 | 16 | |
| BC035800 | 800 | ± 0,010 | 16 | |
| BC035825 | 825 | ± 0,010 | 16 | |
| BC035850 | 850 | ± 0,0105 | 16 | |
| BC035875 | 875 | ± 0,0105 | 16 | |
| BC035900 | 900 | ± 0,011 | 16 | |
| BC035925 | 925 | ± 0,011 | 16 | |
| BC035950 | 950 | ± 0,0115 | 16 | |
| BC035975 | 975 | ± 0,0115 | 16 | |



FEATURES

Contacts flat up to 300 mm, rounded from 325 to 975 mm.

Supplied with calibration certificate.

CALIBRATED WIRE TRIADS FOR MICROMETERS

FEATURES

Suitable for all micrometers with 6.5 mm dia. shank.

Positioned between shank and anvil, they measure the average thread diameter.

Supplied with calibration certificate.



| Code | Ø Wire mm | ISO 60° pitch mm | Thread 55° per inch | UN 60° Thread per inch | Price List Page |
|-----------|-----------|------------------|---------------------|------------------------|-----------------|
| BC020017 | 0,17 | 0,25 / 0,3 | - | - | |
| BC020022 | 0,22 | 0,35 | - | 72 | |
| BC020025 | 0,25 | 0,4 | 60 | 64 | |
| BC020029 | 0,29 | 0,45 / 0,5 | - | 56 | |
| BC0200335 | 0,335 | 0,6 | 48 / 40 | 48 / 44 | |
| BC0200455 | 0,455 | 0,7 ÷ 0,8 | - | 32 | |
| BC020053 | 0,53 | 0,9 | 32 / 28 | 28 | |
| BC020062 | 0,62 | 1,0 | 26 / 24 | 24 | |
| BC0200725 | 0,725 | 1,25 | 22 ÷ 19 | 20 | |
| BC0200895 | 0,895 | 1,5 | 18 / 16 | 18 / 16 | |
| BC020110 | 1,10 | 1,75 | 14 | 14 / 13 | |
| BC020135 | 1,35 | 2,0 | 12 / 11 | 12 / 11 | |
| BC020165 | 1,65 | 2,5 | 10 / 9 | 10 / 9 | |
| BC020205 | 2,05 | 3,0 / 3,5 | 8 / 7 | 8 / 7 | |
| BC020255 | 2,55 | 4,0 / 4,5 | 6 | 6 | |
| BC020320 | 3,20 | 5,0 / 5,5 | 5 / 4,5 | 5 / 4,5 | |

SPECIAL CENTESIMAL MICROMETER WITH BEAKS

FEATURES

Resolution 0.01 mm.

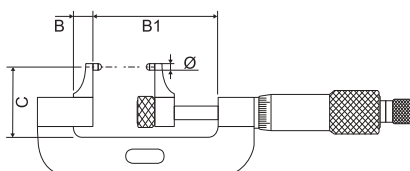
Contacts tungsten carbide.

Painted arc.

Supplied with calibration certificate.



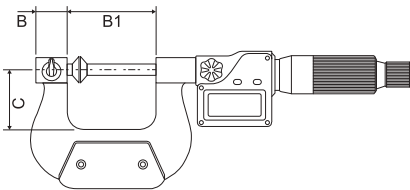
| Code | Range mm | Accuracy mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|------|-------|------|------|-----------------|
| BB23025 | 0 ÷ 25 | ± 0,005 | 14,5 | 41,5 | 38 | 6,5 | |
| BB23050 | 25 ÷ 50 | ± 0,006 | 14,5 | 66,5 | 38 | 6,5 | |
| BB23075 | 50 ÷ 75 | ± 0,007 | 14,5 | 91,5 | 38 | 6,5 | |
| BB230100 | 75 ÷ 100 | ± 0,008 | 14,5 | 116,5 | 38 | 6,5 | |



IP65 DIGITAL MICROMETER WITH INTERCHANGEABLE KOŃCÓWKA AND PRESETS



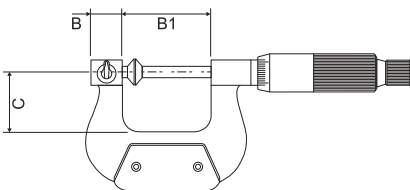
| Code | Range mm | Accuracy mm | B mm | B1 mm | C mm | Price List Page |
|----------|----------|-------------|------|-------|------|-----------------|
| BA03525 | 0 ÷ 25 | ± 0,002 | 17 | 42 | 26 | |
| BA03550 | 20 ÷ 50 | ± 0,002 | 17 | 67 | 38 | |
| BA03575 | 50 ÷ 75 | ± 0,003 | 17 | 92 | 50 | |
| BA035100 | 75 ÷ 100 | ± 0,003 | 17 | 118 | 62 | |



CENTESIMAL MICROMETER WITH INTERCHANGEABLE KOŃCÓWKA



| Code | Range mm | Accuracy mm | B mm | B1 mm | C mm | Price List Page |
|----------|-----------|-------------|------|-------|------|-----------------|
| BB05525 | 0 ÷ 25 | ± 0,004 | 17 | 42 | 26 | |
| BB05550 | 25 ÷ 50 | ± 0,004 | 17 | 67 | 38 | |
| BB05575 | 50 ÷ 75 | ± 0,005 | 17 | 92 | 50 | |
| BB055100 | 75 ÷ 100 | ± 0,005 | 17 | 118 | 62 | |
| BB055125 | 100 ÷ 125 | ± 0,006 | 17 | 143 | 70 | |
| BB055150 | 125 ÷ 150 | ± 0,006 | 17 | 168 | 82 | |
| BB055175 | 150 ÷ 175 | ± 0,007 | 17 | 192 | 95 | |
| BB055200 | 175 ÷ 200 | ± 0,007 | 17 | 217 | 107 | |



FEATURES

Resolution 0.001 mm.
Protection IP65.
Electronics protected against dust and water jets.
Contacts tungsten carbide.
Painted arc.
Fixed stem.
Supplied with 7 pairs of interchangeable contacts (flat, spherical, reduced surface, discs, blades, points, 60° bevel).

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

FEATURES

Resolution 0.01 mm.
Tungsten carbide Contacts.
Painted arc.
Fixed stem.
Supplied with 7 pairs of interchangeable contacts (flat, spherical, reduced surface, discs, blades, tips, 60° bevel).

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------------|
| BC025A |
| Pair of contacts flat head |
| BC025B |
| Pair of spherical head contacts |
| BC025C |
| Pin head contacts |
| BC025D |
| Pair of head contacts |
| BC025E |
| Blade head contacts |
| BC025F |
| Pointed head contacts |
| BC025G |
| Pair of knife-head contacts |

FEATURES

Replacement ferrules.
 Sold in pairs.
 Applicable to both micrometers with rotating stem
 and micrometers with fixed stem.

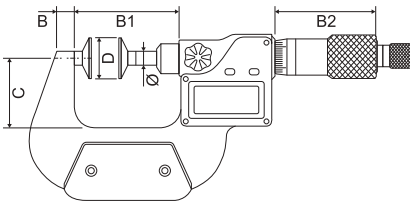


| Code | Description | Price List Page |
|--------|----------------|-----------------|
| BC025A | Flat head | |
| BC025B | Spherical head | |
| BC025C | Pin head | |
| BC025D | Plate head | |
| BC025E | Blade head | |
| BC025F | Pointed head | |
| BC025G | Knife head | |

IP65 DIGITAL MICROMETER WITH DISK KOŃCÓWKA AND PRESETS



| Code | Range mm | Accuracy mm | B mm | B1 mm | B2 mm | C mm | D mm | Ø mm | Price List Page |
|----------|----------|-------------|------|-------|-------|------|--------|------|-----------------|
| BA05025 | 0 ÷ 25 | ± 0,004 | 8 | 59,5 | 65 | 32 | 20x0,7 | 8 | |
| BA05050 | 25 ÷ 50 | ± 0,004 | 8 | 85,5 | 65 | 44,5 | 20x0,7 | 8 | |
| BA05075 | 50 ÷ 75 | ± 0,005 | 8 | 109,5 | 65 | 57 | 20x0,7 | 8 | |
| BA050100 | 75 ÷ 100 | ± 0,005 | 10 | 134,5 | 65 | 70 | 20x0,7 | 8 | |



FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Painted arc.
Non-rotating stem.
Suitable for gear measurement.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

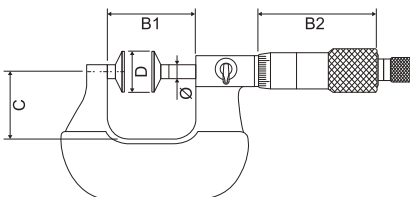
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

CENTESIMAL MICROMETER WITH DISK KOŃCÓWKA



| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | D mm | Ø mm | Price List Page |
|----------|-----------|-------------|-------|-------|------|--------|------|-----------------|
| BB07525 | 0 ÷ 25 | ± 0,004 | 32 | 50x18 | 32 | 20x0,7 | 8 | |
| BB07550 | 25 ÷ 50 | ± 0,004 | 57 | 50x18 | 44,5 | 20x0,7 | 8 | |
| BB07575 | 50 ÷ 75 | ± 0,005 | 82 | 50x18 | 57 | 20x0,7 | 8 | |
| BB075100 | 75 ÷ 100 | ± 0,005 | 107 | 50x18 | 70 | 20x0,7 | 10 | |
| BB075125 | 100 ÷ 125 | ± 0,006 | 133 | 50x18 | 82 | 20x0,7 | 10 | |
| BB075150 | 125 ÷ 150 | ± 0,006 | 158 | 50x18 | 94,5 | 20x0,7 | 12 | |
| BB075175 | 150 ÷ 175 | ± 0,007 | 183 | 50x18 | 107 | 20x0,7 | 12 | |
| BB075200 | 175 ÷ 200 | ± 0,007 | 209 | 50x18 | 120 | 20x0,7 | 12 | |



FEATURES

Resolution 0.01 mm.
Painted arc.
Suitable for measuring gears.

Supplied with calibration certificate.

IP65 DIGITAL MICROMETER WITH 30° CONICAL TIPS AND PRESET

FEATURES

Resolution 0.001 mm.

IP65 protection.

Electronics protected against dust and water jets.

30° conical contacts with hard metal end piece.

Painted arc.

Screw pitch 0.5 mm.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

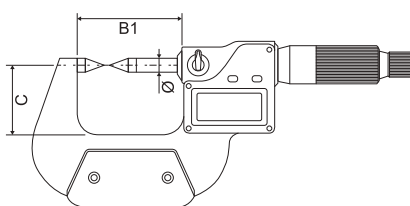
ACCESSORIES

ACC02002

Battery 1.5V LR44



| Code | Range mm | Accuracy mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|------|-----------------|
| BA04025 | 0 ÷ 25 | ± 0,004 | 57 | 32 | 6,5 | |
| BA04050 | 25 ÷ 50 | ± 0,004 | 82 | 44,5 | 6,5 | |
| BA04075 | 50 ÷ 75 | ± 0,005 | 107 | 57 | 6,5 | |
| BA040100 | 75 ÷ 100 | ± 0,005 | 132,6 | 69,5 | 6,5 | |



CENTESIMAL MICROMETER WITH 30° CONICAL TIPS

FEATURES

Resolution 0.01 mm.

30° conical contacts with carbide end piece.

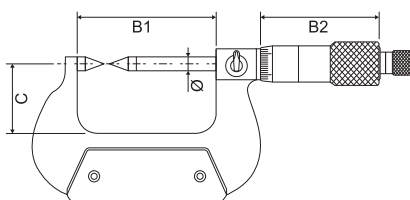
Painted arc.

Screw pitch 0.5 mm.

Supplied with calibration certificate.



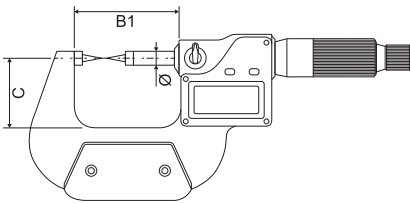
| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|-------|------|------|-----------------|
| BB06025 | 0 ÷ 25 | ± 0,004 | 57 | 50x18 | 32 | 6,5 | |
| BB06050 | 25 ÷ 50 | ± 0,004 | 82 | 50x18 | 44,5 | 6,5 | |
| BB06075 | 50 ÷ 75 | ± 0,005 | 107 | 50x18 | 57 | 6,5 | |
| BB060100 | 75 ÷ 100 | ± 0,005 | 132,6 | 50x18 | 69,5 | 6,5 | |



IP65 DIGITAL MICROMETER WITH 15° CONICAL TIPS AND PRESET



| Code | Range mm | Accuracy mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|------|-----------------|
| BA04525 | 0 ÷ 25 | ± 0,004 | 57 | 32 | 6,5 | |
| BA04550 | 25 ÷ 50 | ± 0,004 | 82 | 44,5 | 6,5 | |
| BA04575 | 50 ÷ 75 | ± 0,005 | 107 | 57 | 6,5 | |
| BA045100 | 75 ÷ 100 | ± 0,005 | 132,6 | 69,5 | 6,5 | |



FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts 15° conical with hard metal end.
Painted arc.
Screw pitch 0.5 mm.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

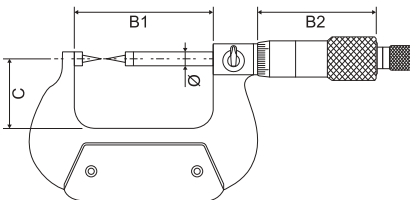
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

CENTESIMAL MICROMETER WITH 15° CONICAL TIPS



| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|-------|------|------|-----------------|
| BB06525 | 0 ÷ 25 | ± 0,004 | 57 | 50x18 | 32 | 6,5 | |
| BB06550 | 25 ÷ 50 | ± 0,004 | 82 | 50x18 | 44,5 | 6,5 | |
| BB06575 | 50 ÷ 75 | ± 0,005 | 107 | 50x18 | 57 | 6,5 | |
| BB065100 | 75 ÷ 100 | ± 0,005 | 132,6 | 50x18 | 69,5 | 6,5 | |



FEATURES

Resolution 0.01 mm.
Contacts 15° conical with carbide end piece.
Painted arc.
Screw pitch 0.5 mm.

Supplied with calibration certificate.

IP65 DIGITAL MICROMETER WITH REDUCED KOŃCÓWKA AND PRESETS

FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Reduced hard metal contacts.
Painted arc.

Supplied with calibration certificate.

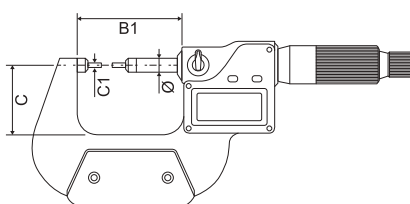
ACCESSORIES

ACC02002

Battery 1.5V LR44



| Code | Range mm | Accuracy mm | B1 mm | C mm | C1 mm | C2 mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|-------|-------|------|-----------------|
| BA05525 | 0 ÷ 25 | ± 0,002 | 32 | 24 | 6 | 6,5 | 6,5 | |
| BA05550 | 25 ÷ 50 | ± 0,002 | 57 | 32 | 6 | 6,5 | 6,5 | |
| BA05575 | 50 ÷ 75 | ± 0,003 | 82 | 45 | 6 | 6,5 | 6,5 | |
| BA055100 | 75 ÷ 100 | ± 0,003 | 107 | 57 | 6 | 6,5 | 6,5 | |



CENTESIMAL MICROMETER WITH REDUCED KOŃCÓWKA

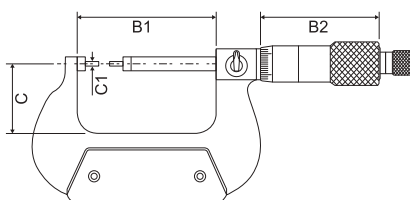
FEATURES

Resolution 0.01 mm.
Reduced tungsten carbide contacts.
Painted arc.

Supplied with calibration certificate.



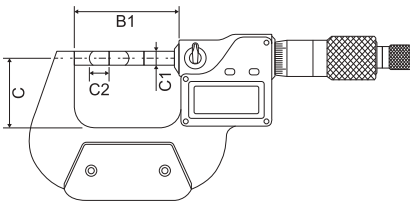
| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | C1 mm | C2 mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|-----------|------|-------|-------|------|-----------------|
| BB08025 | 0 ÷ 25 | ± 0,004 | 57 | 50 x 19,5 | 32 | 6 | 6,5 | 6,5 | |
| BB08050 | 25 ÷ 50 | ± 0,004 | 82 | 50 x 19,5 | 44,5 | 6 | 6,5 | 6,5 | |
| BB08075 | 50 ÷ 75 | ± 0,005 | 107 | 50 x 19,5 | 57 | 6 | 6,5 | 6,5 | |
| BB080100 | 75 ÷ 100 | ± 0,005 | 132,5 | 50 x 19,5 | 69,5 | 6 | 6,5 | 6,5 | |



DIGITAL MILLESIMAL MICROMETER FOR IP65 QUARRIES WITH PRESET



| Code | Range mm | Accuracy mm | B1 mm | C mm | C1 mm | C2 mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|-------|-------|------|-----------------|
| BA06025 | 0 ÷ 25 | ± 0,002 | 32 | 24 | 6 | 6,5 | 6,5 | |
| BA06050 | 25 ÷ 50 | ± 0,002 | 57 | 32 | 6 | 6,5 | 6,5 | |
| BA06075 | 50 ÷ 75 | ± 0,003 | 82 | 45 | 6 | 6,5 | 6,5 | |
| BA060100 | 75 ÷ 100 | ± 0,003 | 107 | 57 | 6 | 6,5 | 6,5 | |



FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts with carbide blade.
Painted arc.
Non-rotating stem.

Supplied with calibration certificate.

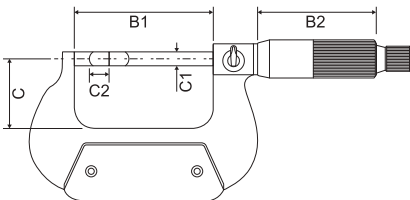
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

CENTESIMAL MICROMETER FOR QUARRIES



| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | C1 mm | C2 mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|-----------|------|-------|-------|------|-----------------|
| BB08525 | 0 ÷ 25 | ± 0,004 | 57 | 50 x 19,5 | 32 | 6 | 6,5 | 6,5 | |
| BB08550 | 25 ÷ 50 | ± 0,004 | 82 | 50 x 19,5 | 44,5 | 6 | 6,5 | 6,5 | |
| BB08575 | 50 ÷ 75 | ± 0,005 | 107 | 50 x 19,5 | 57 | 6 | 6,5 | 6,5 | |
| BB085100 | 75 ÷ 100 | ± 0,005 | 132,6 | 50 x 19,5 | 69,5 | 6 | 6,5 | 6,5 | |



FEATURES

Resolution 0.01 mm.
Contacts with carbide blade.
Painted arc.
Non-rotating stem.

Supplied with calibration certificate.

DIGITAL MICROMETER FOR IP65 TUBES WITH SPHERICAL LEFT KOŃCÓWKA AND PRESET

FEATURES

Resolution 0.001 mm.
Protection IP65.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

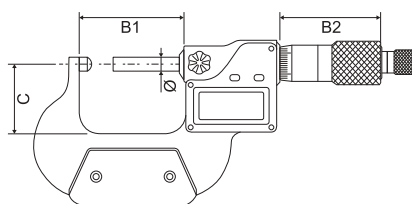
ACCESSORIES

ACC02002

Battery 1.5V LR44



| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|-------|-------|------|------|-----------------|
| BA07025 | 0 + 25 | ± 0,002 | 32 | 47 | 24 | 6,5 | |



CENTESIMAL TUBE MICROMETER WITH LEFT SPHERICAL KOŃCÓWKA

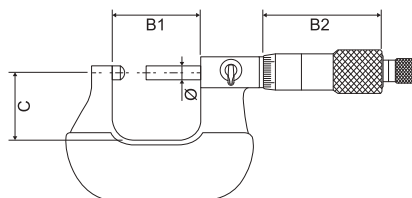
FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.
Screw pitch 0.5 mm.

Supplied with calibration certificate.



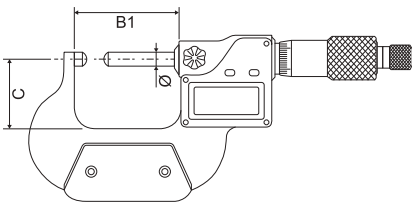
| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|-------|-----------|------|------|-----------------|
| BB09525 | 0 + 25 | ± 0,004 | 32 | 50 x 19,5 | 24 | 6,5 | |



DIGITAL MICROMETER FOR IP65 PIPES WITH SPHERICAL KOŃCÓWKA AND PRESETS



| Code | Range mm | Accuracy mm | B1 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|-------|------|------|-----------------|
| BA06525 | 0 ÷ 25 | ± 0,002 | 32 | 24 | 6,5 | |



FEATURES

Resolution 0.001 mm.
Protection IP65.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

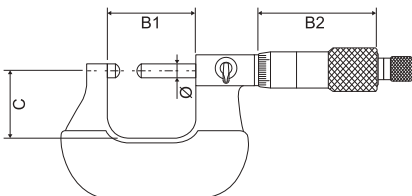
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

CENTESIMAL TUBE MICROMETER WITH SPHERICAL KOŃCÓWKA



| Code | Range mm | Accuracy mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|-------|-----------|------|------|-----------------|
| BB09025 | 0 ÷ 25 | ± 0,004 | 32 | 50 x 19,5 | 24 | 6,5 | |



FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.
Suitable for measuring pipe thicknesses.

Supplied with calibration certificate.

CENTESIMAL TUBE MICROMETER

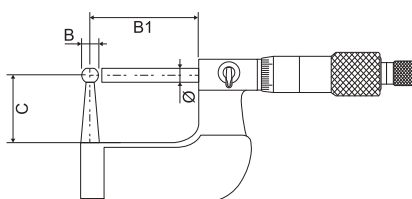
FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|------|-------|------|------|-----------------|
| BB12025 | 0 ÷ 25 | ± 0,004 | 4,7 | 31 | 24 | 6,5 | |



IP65 DIGITAL MICROMETER WITH INTERCHANGEABLE SPHERICAL KOŃCÓWKA AND PRESETS

FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Tungsten carbide contacts.
Painted arc.
Rotating stem.
Spherical contacts to be ordered separately (BC023) for measuring standard gears and those with conical exteriors.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

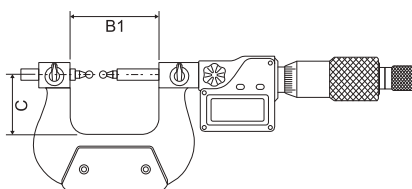
Supplied with calibration certificate.

ACCESSORIES

ACC02002
Battery 1.5V LR44



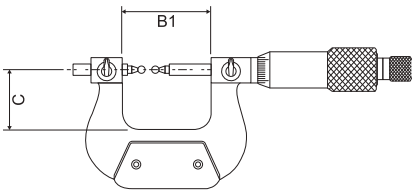
| Code | Range mm | Accuracy mm | B1 mm | C mm | Price List Page |
|----------|-----------|-------------|-------|------|-----------------|
| BA07525 | 0 ÷ 25 | ± 0,002 | 84 | 38 | |
| BA07550 | 25 ÷ 50 | ± 0,002 | 109 | 50 | |
| BA07575 | 50 ÷ 75 | ± 0,003 | 135 | 62 | |
| BA075100 | 75 ÷ 100 | ± 0,003 | 160 | 70 | |
| BA075125 | 100 ÷ 125 | ± 0,003 | 185 | 82 | |
| BA075150 | 125 ÷ 150 | ± 0,003 | 234 | 95 | |



CENTESIMAL MICROMETER WITH INTERCHANGEABLE SPHERICAL KOŃCÓWKA



| Code | Range mm | Accuracy mm | B1 mm | C mm | Price List Page |
|----------|----------|-------------|-------|------|-----------------|
| BB10025 | 0 ÷ 25 | ± 0,004 | 84 | 38 | |
| BB10050 | 25 ÷ 50 | ± 0,004 | 109 | 50 | |
| BB10075 | 50 ÷ 75 | ± 0,005 | 135 | 62 | |
| BB100100 | 75 ÷ 100 | ± 0,005 | 160 | 70 | |

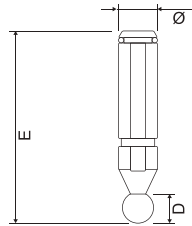


FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.
Painted arc.
Rotating stem.
Contacts spherical to be ordered separately (BC023) for measuring standard gears and with conical exteriors.

Supplied with calibration certificate.

INTERCHANGEABLE BALL POINTS FOR BA075 AND BB100 MICROMETERS



| Code | Module mm | D mm | E mm | Ø mm | Price List Page |
|---------|------------|------|------|------|-----------------|
| BC02310 | 0,6 - 0,65 | 1 | 15 | 5 | |
| BC02315 | 0,9 - 1 | 1,5 | 15 | 5 | |
| BC02320 | 1,25 | 2 | 15 | 5 | |
| BC02325 | 1,5 | 2,5 | 15 | 5 | |
| BC02330 | 1,75 | 3 | 15 | 5 | |
| BC02335 | 2 | 3,5 | 15 | 5 | |
| BC02340 | 2,25 | 4 | 15 | 5 | |
| BC02350 | 2,75 | 5 | 15 | 5 | |

FEATURES

Pair of interchangeable ball points for micrometers.

DIGITAL MICROMETER FOR IP65 THREADS WITH PRESET

FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts tungsten carbide.
Painted arc.
Locking screw.
Rotating stem.
60° anvils for measuring average diameters of external metric threads.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

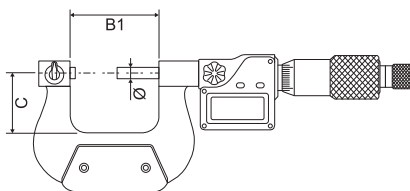
Supplied with calibration certificate.

ACCESSORIES

| | |
|--------------------|-----------------------|
| ACC02002 | Battery 1.5V LR44 |
| BC009040050 | Anvils at 60° - No. 1 |
| BC009060090 | Anvils at 60° - No. 2 |
| BC009100175 | Anvils at 60° - No. 3 |
| BC009200300 | Anvils at 60° - No. 4 |
| BC009350500 | Anvils at 60° - No. 5 |
| BC009550700 | Anvils at 60° - No. 6 |



| Code | Range mm | Accuracy mm | Included set anvils 60° | B1 mm | C mm | Ø mm | Price List Page |
|-----------------|-----------|-------------|-------------------------|-------|------|------|-----------------|
| BA08025 | 0 ÷ 25 | ± 0,002 | 1-2-3-4-5 | 32 | 26 | 6,5 | |
| BA08050 | 25 ÷ 50 | ± 0,002 | 2-3-4-5-6 | 57 | 32 | 6,5 | |
| BA08075 | 50 ÷ 75 | ± 0,002 | 3-4-5-6 | 82 | 44 | 6,5 | |
| BA080100 | 75 ÷ 100 | ± 0,003 | 3-4-5-6 | 107 | 57 | 6,5 | |
| BA080125 | 100 ÷ 125 | ± 0,003 | 4-5-6 | 132 | 72 | 6,5 | |
| BA080150 | 125 ÷ 150 | ± 0,003 | 4-5-6 | 158 | 84 | 6,5 | |



CENTESIMAL THREAD MICROMETER

FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Coated arc.
Non-rotating stem.
Hardened stainless steel.
Locking screw.
Rotating stem.
Supplied with 60° anvils and striker rod.
Micrometer for measuring the average diameter of 60° (metric and UN) or 55° (Withworth) threads.

Supplied with calibration certificate.

ACCESSORIES

| | |
|--------------------|-----------------------|
| BC009040050 | Anvils at 60° - No. 1 |
| BC009060090 | Anvils at 60° - No. 2 |
| BC009100175 | Anvils at 60° - No. 3 |
| BC009200300 | Anvils at 60° - No. 4 |
| BC009350500 | Anvils at 60° - No. 5 |
| BC009550700 | Anvils at 60° - No. 6 |



| Code | Range mm | Accuracy mm | Included set anvils 60° | Price List Page |
|-----------------|-----------|-------------|-------------------------|-----------------|
| BB10525 | 0 ÷ 25 | ± 0,004 | 1-2-3-4-5 | |
| BB10550 | 25 ÷ 50 | ± 0,004 | 2-3-4-5-6 | |
| BB10575 | 50 ÷ 75 | ± 0,004 | 3-4-5-6 | |
| BB105100 | 75 ÷ 100 | ± 0,005 | 3-4-5-6 | |
| BB105125 | 100 ÷ 125 | ± 0,005 | 4-5-6 | |
| BB105150 | 125 ÷ 150 | ± 0,005 | 4-5-6 | |
| BB105175 | 150 ÷ 175 | ± 0,006 | 4-5-6 | |
| BB105200 | 175 ÷ 200 | ± 0,006 | 4-5-6 | |

ANVILS AT 60°



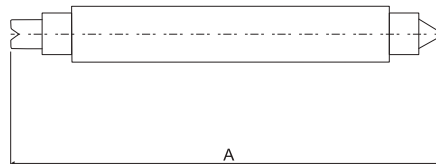
| Code | N° | Metric Threading mm | UN-UNC-UNF threading inch | Price List Page |
|-------------|----|------------------------|------------------------------|--------------------|
| BC009040050 | 1 | 0,4 - 0,5 | 64 - 48 | |
| BC009060090 | 2 | 0,6 - 0,9 | 44 - 28 | |
| BC009100175 | 3 | 1,0 - 1,75 | 24 - 14 | |
| BC009200300 | 4 | 2,0 - 3,0 | 13 - 9 | |
| BC009350500 | 5 | 3,5 - 5,0 | 8 - 5 | |
| BC009550700 | 6 | 5,5 - 7,0 | 4,5 - 3,5 | |

ANVILS SET 55° - 60°



| Code | Composition | Thread | Price List Page |
|------------|--|---------------|--------------------|
| BC010SETW | 60 BIS 48 TPI - 48 BIS 40 TPI - 40 BIS 32 TPI - 32 BIS 24 TPI 24 BIS 18 TPI - 18 BIS 14 TPI - 14 BIS 10 TPI 10 BIS 7 DPP - 7 BIS 4,5 DPP - 4,5 BIS 3,5 DPP | Withworth 55° | |
| BC010SETMU | 0,4 ÷ 0,5 - 0,6 ÷ 0,9 - 1,0 ÷ 1,75 2,0 ÷ 3,0 - 3,5 ÷ 5,0 - 5,5 ÷ 7,0 | Metric 60° | |

STRIKER ROD METRIC THREAD



| Code | Accuracy mm | A mm | Metric thread pitch | Price List Page |
|----------|----------------|---------|---------------------|--------------------|
| BC01525 | ± 0,030 | 25 | 60° | |
| BC01550 | ± 0,035 | 50 | 60° | |
| BC01575 | ± 0,040 | 75 | 60° | |
| BC015100 | ± 0,045 | 100 | 60° | |
| BC015125 | ± 0,050 | 125 | 60° | |
| BC015150 | ± 0,055 | 150 | 60° | |
| BC015175 | ± 0,060 | 175 | 60° | |

FEATURES

60° anvils for measuring medium diameters of external metric threads.

FEATURES

Anvils set with multiple dimensions for checking Metric 60° (BC010SETMU) and Withworth 55° (BC010SETW) threads.

FEATURES

Striker rods for setting micrometers with anvils. Sold for checking Metric threads. Also available on request for Withworth threads.

Supplied with calibration certificate.

IP65 DIGITAL MICROMETER WITH PRISM ANVIL WITH PRESET

FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.
For measuring outside diameter of 3 and 5-edged tools.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

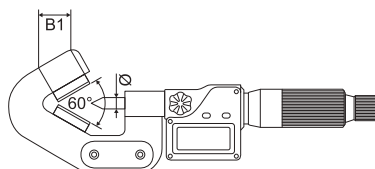
Supplied with calibration certificate.

ACCESSORIES

ACC02002
Battery 1.5V LR44



| Code | Range mm | Accuracy mm | Stem | Cutting edges | B1 mm | Ø mm | Price List Page |
|----------|----------|-------------|---------|---------------|-------|------|-----------------|
| BA085153 | 1 ÷ 15 | ± 0,002 | Conical | 3 | 18 | 6,5 | |
| BA085203 | 5 ÷ 20 | ± 0,002 | Plate | 3 | 18 | 6,5 | |
| BA085255 | 5 ÷ 25 | ± 0,002 | Plate | 5 | 18 | 6,5 | |
| BA085353 | 20 ÷ 35 | ± 0,003 | Plate | 3 | 18 | 6,5 | |
| BA085455 | 25 ÷ 45 | ± 0,003 | Plate | 5 | 18 | 6,5 | |
| BA085503 | 35 ÷ 50 | ± 0,003 | Plate | 3 | 18 | 6,5 | |



CENTESIMAL MICROMETER WITH PRISM ANVIL

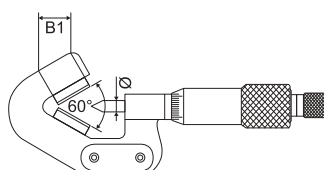
FEATURES

Resolution 0.01 mm.
Tungsten carbide Contacts.
Painted arc.
For measuring the outside diameter of 3 and 5-edged tools.

Supplied with calibration certificate.



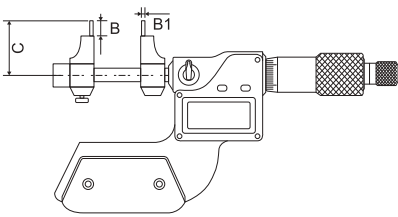
| Code | Range mm | Accuracy mm | Stem | B1 mm | Ø mm | Cutting edges | Price List Page |
|----------|----------|-------------|---------|-------|------|---------------|-----------------|
| BB115153 | 1 ÷ 15 | ± 0,004 | Conical | 18 | 6,5 | 3 | |
| BB115203 | 5 ÷ 20 | ± 0,004 | Plate | 18 | 6,5 | 3 | |
| BB115255 | 5 ÷ 25 | ± 0,004 | Plate | 18 | 6,5 | 5 | |
| BB115353 | 20 ÷ 35 | ± 0,005 | Plate | 18 | 6,5 | 3 | |
| BB115503 | 35 ÷ 50 | ± 0,005 | Plate | 18 | 6,5 | 3 | |
| BB115455 | 25 ÷ 45 | ± 0,005 | Plate | 18 | 6,5 | 5 | |



IP65 DIGITAL MICROMETER FOR INDOOR USE WITH PRESET



| Code | Range mm | Accuracy mm | Calibration ring | B mm | B1 mm | C mm | Price List Page |
|---------|----------|-------------|------------------|------|-------|-------|-----------------|
| BA10530 | 5 + 30 | ± 0,003 | ✓ | 5 | 2 | 27,75 | |



FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.
Plugs \varnothing 2 mm.

Supplied with calibration certificate.

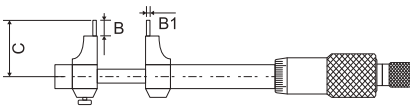
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

CENTESIMAL MICROMETER FOR INDOOR USE



| Code | Range mm | Calibration ring | B mm | B1 mm | C mm | Price List Page |
|---------|----------|------------------|------|-------|-------|-----------------|
| BB24330 | 5 + 30 | ✓ | 5 | 2 | 27,75 | |



FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Plugs \varnothing 2 mm.

Supplied with calibration certificate.

IP65 DIGITAL MICROMETER FOR INDOOR USE WITH PRESET

FEATURES

Resolution 0.001 mm.
Protection IP65.
Electronics protected against dust and water jets.
Contacts hard metal.
Painted arc.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

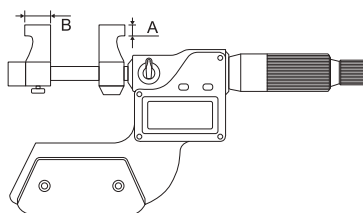
Supplied with calibration certificate.

ACCESSORIES

ACC02002
Battery 1.5V LR44



| Code | Range mm | Calibration ring | A mm | B mm | Price List Page |
|----------|----------|------------------|------|-------|-----------------|
| BA11050 | 25 ÷ 50 | ✓ | 5 | 12,25 | |
| BA11075 | 50 ÷ 75 | - | 5 | 12,25 | |
| BA110100 | 75 ÷ 100 | - | 5 | 12,25 | |



CENTESIMAL MICROMETER FOR INDOOR USE

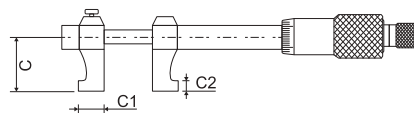
FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.

Supplied with calibration certificate.



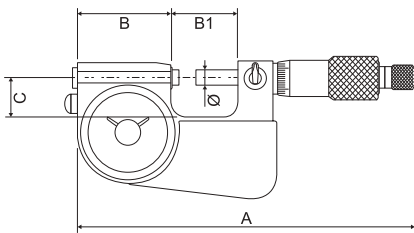
| Code | Range mm | Calibration ring | C mm | C1 mm | C2 mm | Price List Page |
|----------|----------|------------------|-------|-------|-------|-----------------|
| BB24550 | 25 ÷ 50 | ✓ | 27,75 | 12,25 | 5 | |
| BB24575 | 50 ÷ 75 | - | 27,75 | 12,25 | 5 | |
| BB245100 | 75 ÷ 100 | - | 27,75 | 12,25 | 5 | |



MILLESIMAL MICROMETER WITH ANALOGUE INDICATOR IP54



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|-------|------|------|-----------------|
| BB04025 | 0 ÷ 25 | ± 0,003 | 28,5 | 43 | 36,5 | 19 | 6,5 | |
| BB04050 | 25 ÷ 50 | ± 0,003 | 53,5 | 43 | 36,5 | 30 | 6,5 | |
| BB04075 | 50 ÷ 75 | ± 0,004 | 78,5 | 43 | 36,5 | 45 | 6,5 | |
| BB040100 | 75 ÷ 100 | ± 0,004 | 103,5 | 43 | 36,5 | 57 | 6,5 | |



FEATURES

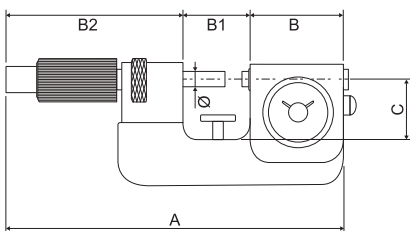
Resolution 0.001 mm.
IP54 protection.
Electronics protected against dust and splash water.
Tungsten carbide contacts.
Painted arc.
Non-rotating stem.
Retractable anvil.
Indicator for precision measurements in series inspections.

Supplied with calibration certificate.

MILLESIMAL MICROMETER WITH ANALOGUE INDICATOR IP54



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | Ø mm | Price List Page |
|----------|----------|-------------|-------|------|-------|-------|------|------|-----------------|
| BB04525 | 0 ÷ 25 | ± 0,001 | 28,5 | 50,5 | 38,5 | 77 | 25 | 10 | |
| BB04550 | 25 ÷ 50 | ± 0,001 | 53,5 | 50,5 | 63,5 | 77 | 35 | 10 | |
| BB04575 | 50 ÷ 75 | ± 0,001 | 78,5 | 50,5 | 88,5 | 77 | 47,5 | 10 | |
| BB045100 | 75 ÷ 100 | ± 0,001 | 103,5 | 50,5 | 113,5 | 77 | 60 | 10 | |



FEATURES

Resolution 0.001 mm.
Protection IP54.
Electronics protected against dust and splash water.
Contacts tungsten carbide.
Painted arc.
Non-rotating stem.
Retractable anvil.
Indicator for precision measurements in series inspection.

Supplied with calibration certificate.

CENTESIMAL WIRE MICROMETER

FEATURES

Resolution 0.01 mm.
 Contacts tungsten carbide.
 Painted arc.
 Screw pitch 0.5 mm.
 Special micrometer for accurate wire and ball measurements.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | C mm | Price List Page |
|---------|----------|-------------|------|-----------------|
| BB07010 | 0 ÷ 10 | ± 0,004 | 2 | |



COMPARISON FORK

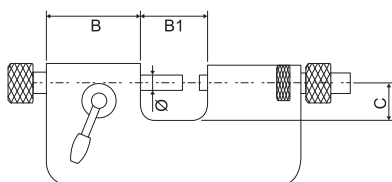
FEATURES

Tungsten carbide contacts.
 Painted arc.
 Hardened stainless steel.
 Movable anvil stroke 3 mm.
 Ideal for checking cylindrical workpieces such as shafts and for measuring thicknesses and lengths.
 Dial gauge with \varnothing 8 mm shank to be ordered separately.

Supplied with calibration certificate.



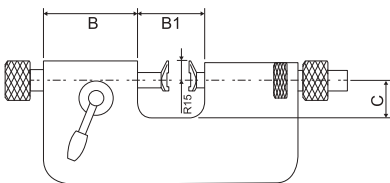
| Code | Range mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|----------|-----------|------|-------|------|------|-----------------|
| BB07250 | 0 ÷ 50 | 33 | 62 | 32 | 8 | |
| BB072100 | 50 ÷ 100 | 33 | 112 | 62 | 8 | |
| BB072150 | 100 ÷ 150 | 33 | 162 | 85 | 8 | |
| BB072200 | 150 ÷ 200 | 33 | 212 | 100 | 8 | |



COMPARISON FORK



| Code | Range mm | B mm | B1 mm | C mm | Price List Page |
|----------|-----------|------|-------|------|-----------------|
| BB07340 | 0 ÷ 40 | 33 | 62 | 32 | |
| BB07390 | 40 ÷ 90 | 33 | 112 | 62 | |
| BB073140 | 90 ÷ 140 | 33 | 162 | 85 | |
| BB073190 | 140 ÷ 190 | 33 | 212 | 110 | |



FEATURES

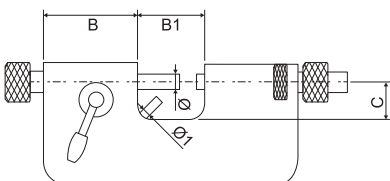
Tungsten carbide contacts.
Painted arc.
Hardened stainless steel.
Movable anvil stroke 3 mm.
Ideal for checking cylindrical workpieces such as shafts and for measuring thicknesses and lengths.
Dial gauge with \varnothing 8 mm shank to be ordered separately.

Supplied with calibration certificate.

COMPARISON FORK



| Code | Range mm | B mm | B1 mm | C mm | \varnothing mm | \varnothing 1 mm | Price List Page |
|----------|-----------|------|-------|------|------------------|--------------------|-----------------|
| BB07440 | 0 ÷ 40 | 33 | 62 | 32 | 8 | 15x5 | |
| BB07490 | 40 ÷ 90 | 33 | 112 | 62 | 8 | 15x5 | |
| BB074140 | 90 ÷ 140 | 33 | 162 | 85 | 8 | 15x5 | |
| BB074190 | 140 ÷ 190 | 33 | 212 | 110 | 8 | 15x5 | |



FEATURES

Tungsten carbide contacts.
Painted arc.
Hardened stainless steel.
Movable anvil stroke 3 mm.
Ideal for checking cylindrical workpieces such as shafts and for measuring thicknesses and lengths.
Dial gauge with \varnothing 8 mm shank to be ordered separately.

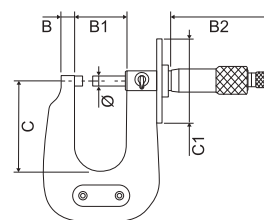
Supplied with calibration certificate.

CENTESIMAL DISK MICROMETER FOR SHEET METAL

FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.
Suitable for measuring sheet thicknesses.

Supplied with calibration certificate.



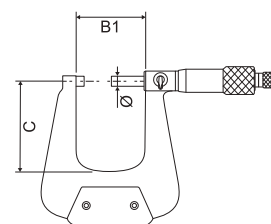
| Code | Range mm | Accuracy mm | B mm | B1 mm | B2 mm | C mm | C1 mm | Ø mm | Price List Page |
|---------|----------|-------------|------|-------|-------|------|-------|------|-----------------|
| BB11015 | 0 ÷ 15 | ± 0,004 | 8 | 22 | 50 | 50 | 60 | 6,5 | |

CENTESIMAL SHEET METAL MICROMETER

FEATURES

Resolution 0.01 mm.
Contacts tungsten carbide.
Painted arc.
Suitable for measuring sheet thicknesses.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | Arch mm | B1 mm | C mm | Ø mm | Price List Page |
|---------|----------|-------------|---------|-------|------|------|-----------------|
| BB11725 | 0 ÷ 25 | ± 0,003 | 100 | 32 | 50 | 6,5 | |
| BB11750 | 25 ÷ 50 | ± 0,003 | 100 | 57 | 100 | 6,5 | |

IP65 DIGITAL MILLESIMAL DEPTH MICROMETER WITH PRESET

FEATURES

Resolution 0.001 mm.
IP65 protection.
Electronics protected against dust and water jets.
Carbide spherical końcówka.
Supplied with interchangeable rods.

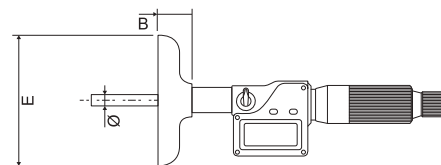
FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- mm/inch

Supplied with calibration certificate.

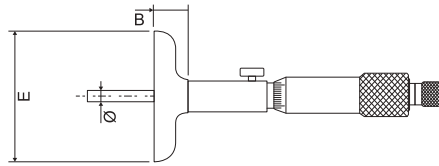
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |



| Code | Range mm | Accuracy mm | Extensions pcs. | B mm | E mm | Ø mm | Price List Page |
|----------|----------|-------------|-----------------|------|-------|------|-----------------|
| BA09025 | 0 ÷ 25 | ± 0,003 | 1 x 25 mm | 17 | 101,5 | 4,5 | |
| BA090100 | 0 ÷ 100 | ± 0,003 | 4 x 25 mm | 17 | 101,5 | 4,5 | |
| BA090200 | 0 ÷ 200 | ± 0,003 | 8 x 25 mm | 17 | 101,5 | 4,5 | |

CENTESIMAL DEPTH MICROMETER



| Code | Range mm | Accuracy mm | Extension pcs. | B mm | E mm | Ø mm | Price List Page |
|----------|----------|-------------|----------------|------|------|------|-----------------|
| BB23525 | 0 ÷ 25 | ± 0,004 | 1 x 25 mm | 17 | 100 | 4,5 | |
| BB23550 | 0 ÷ 50 | ± 0,004 | 2 x 25 mm | 17 | 100 | 4,5 | |
| BB235100 | 0 ÷ 100 | ± 0,005 | 4 x 25 mm | 17 | 100 | 4,5 | |
| BB235150 | 0 ÷ 150 | ± 0,005 | 6 x 25 mm | 17 | 100 | 4,5 | |
| BB235200 | 0 ÷ 200 | ± 0,006 | 8 x 25 mm | 17 | 100 | 4,5 | |

FEATURES

Resolution 0.01 mm.
Carbide spherical contacts.
Supplied with interchangeable rods.

Supplied with calibration certificate.

MICROMETER HOLDER

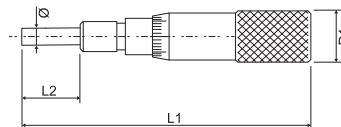


| Code | Dimensions mm | Weight kg | Price List Page |
|--------|-------------------|-----------|-----------------|
| BC060B | 170 x 120 x 120 h | 1 | |

FEATURES

Stand with cast iron oval base and interchangeable light alloy clamp.

MICROMETER HEAD 0-5 MM STROKE



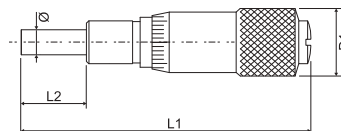
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------|-----------------|
| BB125A | 0 ÷ 5 | 0,01 | ± 0,005 | 2 | 6,5 | 32 | 6 | Plate | Simple | |
| BB125B | 0 ÷ 5 | 0,01 | ± 0,005 | 2 | 6,5 | 32 | 6 | Spherical | Simple | |

FEATURES

Resolution 0.01 mm.
Drum Ø 6 mm.
Stem Ø 2 mm.
Screw pitch 0.5 mm.
Accuracy according to internal standard.

Supplied with calibration certificate.

MICROMETER HEAD STROKE 0-6.5 MM



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------------------|-----------------|
| BB130A | 0 ÷ 6,5 | 0,01 | ± 0,005 | 3,5 | 7,5 | 37 | 9,4 | Plate | Simple | |
| BB130B | 0 ÷ 6,5 | 0,01 | ± 0,005 | 3,5 | 7,5 | 37 | 9,4 | Spherical | Simple | |
| BB130C | 0 ÷ 6,5 | 0,01 | ± 0,005 | 3,5 | 7,5 | 37 | 9,4 | Plate | With locking screw | |
| BB130D | 0 ÷ 6,5 | 0,01 | ± 0,005 | 3,5 | 7,5 | 37 | 9,4 | Spherical | With locking screw | |

FEATURES

Resolution 0.01 mm.
Drum Ø 9.4 mm.
Stem Ø 3.5 mm.
Screw pitch 0.5 mm.
Accuracy according to internal standard.

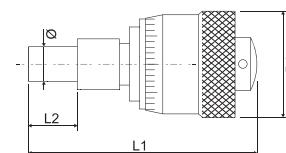
Supplied with calibration certificate.

MICROMETER HEAD STROKE 0-6.5 MM

FEATURES

Resolution 0.01 mm.
Stem \varnothing 6.5 mm.
Screw pitch 0.5 mm.
Drum \varnothing 29 mm.
Accuracy according to internal standard.

Supplied with calibration certificate.



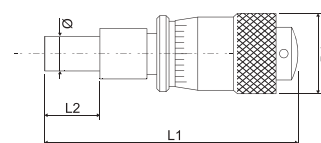
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------------------|-----------------|
| BB135A | 0 ÷ 6,5 | 0,01 | ± 0,005 | 6,5 | 9 | 42 | 20 | Plate | Simple | |
| BB135B | 0 ÷ 6,5 | 0,01 | ± 0,005 | 6,5 | 9 | 42 | 20 | Spherical | Simple | |
| BB135C | 0 ÷ 6,5 | 0,01 | ± 0,005 | 6,5 | 9 | 42 | 20 | Plate | With locking screw | |
| BB135D | 0 ÷ 6,5 | 0,01 | ± 0,005 | 6,5 | 9 | 42 | 20 | Spherical | With locking screw | |

MICROMETER HEAD STROKE 0-6.5 MM

FEATURES

Resolution 0.005 mm.
High precision.

Supplied with calibration certificate.



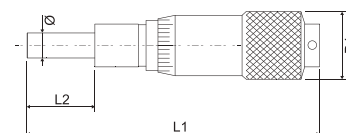
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------|-----------------|
| BB140A | 0 ÷ 6,5 | 0,005 | ± 0,005 | 6,5 | 9 | 42 | 15 | Plate | Simple | |
| BB140B | 0 ÷ 6,5 | 0,005 | ± 0,005 | 6,5 | 9 | 42 | 15 | Spherical | Simple | |

MICROMETER HEAD STROKE 0-13 MM

FEATURES

Resolution 0.01 mm.
With or without stem locking.
Contacts flat or spherical.

Supplied with calibration certificate.



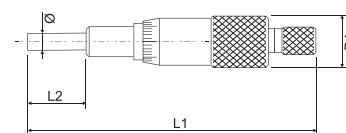
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------|-----------------|
| BB145A | 0 ÷ 13 | 0,01 | ± 0,004 | 5 | 17 | 58,5 | 13 | Plate | Simple | |
| BB145C | 0 ÷ 13 | 0,01 | ± 0,004 | 5 | 17 | 58,5 | 13 | Spherical | Simple | |

MICROMETER HEAD

FEATURES

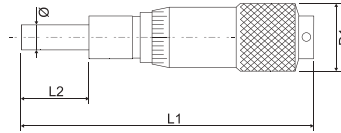
Resolution 0.01 mm.
carbide contacts surfaces.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|---------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB15025 | 0 ÷ 25 | 0,01 | ± 0,003 | 6,5 | 28,5 | 113 | 18 | Plate | Simple | |
| BB15050 | 0 ÷ 50 | 0,01 | ± 0,005 | 8 | 28,5 | 160 | 18 | Plate | Simple | |

MICROMETER HEAD 0-13 MM STROKE



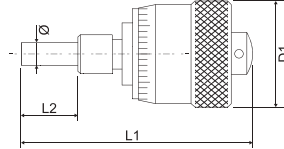
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB155A | 0 ÷ 13 | 0,005 | ± 0,004 | 5 | 17 | 58,5 | 13 | Plate | Simple | |

FEATURES

Resolution 0.005 mm.
High precision.
Screw pitch 0.25 mm.

Supplied with calibration certificate.

MICROMETER HEAD 0-13 MM STROKE



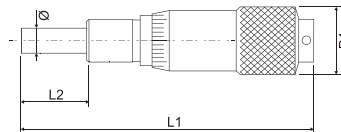
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------|-----------------|
| BB160A | 0 ÷ 13 | 0,01 | ± 0,004 | 6,5 | 15,5 | 55 | 29 | Plate | Simple | |
| BB160B | 0 ÷ 13 | 0,01 | ± 0,004 | 6,5 | 15,5 | 55 | 29 | Spherical | Simple | |

FEATURES

Resolution 0.01 mm.
Large diameter drum Ø 29 mm.

Supplied with calibration certificate.

MICROMETER HEAD 0-15 MM STROKE



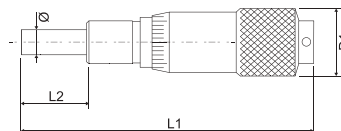
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------------------|-----------------|
| BB165A | 0 ÷ 15 | 0,01 | ± 0,004 | 5 | 17 | 61 | 13,5 | Plate | Simple | |
| BB165B | 0 ÷ 15 | 0,01 | ± 0,004 | 5 | 17 | 61 | 13,5 | Spherical | Simple | |
| BB165C | 0 ÷ 15 | 0,01 | ± 0,004 | 5 | 17 | 61 | 13,5 | Plate | With locking screw | |
| BB165D | 0 ÷ 15 | 0,01 | ± 0,004 | 5 | 17 | 61 | 13,5 | Spherical | With locking screw | |

FEATURES

Resolution 0.01 mm.
With or without stem locking.
Contacts flat or spherical.
Stem 5 Ø mm.

Supplied with calibration certificate.

MICROMETER HEAD 0-15 MM STROKE



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------------------|-----------------|
| BB166A | 0 ÷ 15 | 0,01 | ± 0,004 | 6,5 | 17 | 75,5 | 15 | Plate | Simple | |
| BB166B | 0 ÷ 15 | 0,01 | ± 0,004 | 6,5 | 17 | 75,5 | 15 | Spherical | Simple | |
| BB166C | 0 ÷ 15 | 0,01 | ± 0,004 | 6,5 | 17 | 75,5 | 15 | Plate | With locking screw | |
| BB166D | 0 ÷ 15 | 0,01 | ± 0,004 | 6,5 | 17 | 75,5 | 15 | Spherical | With locking screw | |

FEATURES

Resolution 0.01 mm.
With or without stem locking.
Contacts flat or spherical.
Stem Ø 6.5 mm.

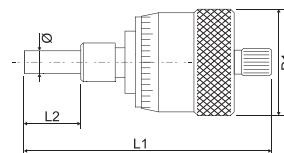
Supplied with calibration certificate.

MICROMETER HEAD 0-15 MM STROKE

FEATURES

Resolution 0.01 mm.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|--------|-----------------|
| BB170A | 0 ÷ 15 | 0,01 | ± 0,004 | 8 | 18 | 94 | 29 | Plate | Simple | |
| BB170B | 0 ÷ 15 | 0,01 | ± 0,004 | 8 | 18 | 94 | 29 | Spherical | Simple | |

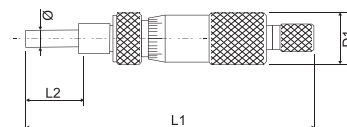
MICROMETER HEAD 0-25 MM STROKE

FEATURES

Resolution 0.01 mm.

Stem clamping.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|-----------|-------------------|-----------------|
| BB175A | 0 ÷ 25 | 0,01 | ± 0,003 | 6,5 | 27 | 121 | 18 | Plate | With stem locking | |
| BB175B | 0 ÷ 25 | 0,01 | ± 0,003 | 6,5 | 27 | 121 | 18 | Spherical | With stem locking | |

MICROMETER HEAD 0-25 MM STROKE

FEATURES

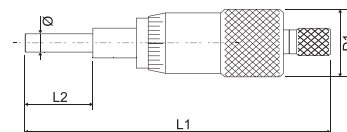
Resolution 0.01 mm.

Stem Ø 8 mm.

Screw pitch 1 mm.

Drum Ø 29 mm.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB180A | 0 ÷ 25 | 0,01 | ± 0,004 | 8 | 28,5 | 115 | 29 | Plate | Simple | |

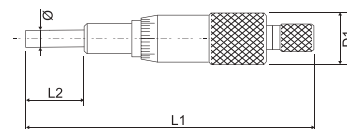
MICROMETER HEAD STROKE 0-25 MM

FEATURES

Resolution 0.002 mm.

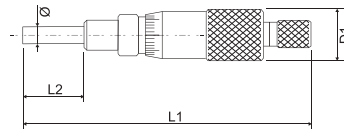
Accuracy 0.003 mm.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|-----------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB1856,5A | 0 ÷ 25 | 0,002 | ±0,003 | 6,5 | 28,5 | 113 | 18 | Plate | Simple | |

MICROMETER HEAD STROKE 0-25 MM



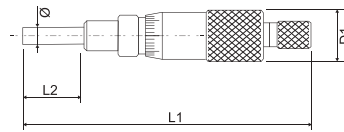
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|---------|-------------------|-----------------|
| BB190A | 0 ÷ 25 | 0,002 | ± 0,003 | 8 | 28,5 | 113 | 18 | Plate | With stem locking | |

FEATURES

Resolution 0.002 mm.
Stem clamping.

Supplied with calibration certificate.

MICROMETER HEAD 0-25 MM STROKE



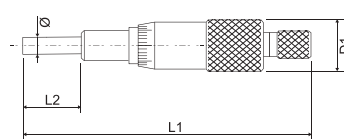
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB195A | 0 ÷ 25 | 0,01 | ± 0,003 | 6,5 | 27 | 108 | 18 | Plate | Simple | |

FEATURES

Resolution 0.01 mm.
Without stem locking.

Supplied with calibration certificate.

MICROMETER HEAD 0-25 MM STROKE



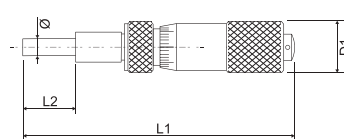
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|-----------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB200001A | 0 ÷ 25 | 0,001 | ± 0,003 | 8 | 34 | 133 | 21 | Plate | Simple | |
| BB20001A | 0 ÷ 25 | 0,01 | ± 0,003 | 8 | 34 | 133 | 21 | Plate | Simple | |

FEATURES

Resolution 0.01 mm or 0.001 mm.
Without stem locking.

Supplied with calibration certificate.

MICROMETER HEAD 0-25 MM STROKE



| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|-----------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB205001A | 0 ÷ 25 | 0,001 | ± 0,003 | 8 | 34,5 | 120 | 21 | Plate | Simple | |
| BB20501A | 0 ÷ 25 | 0,01 | ± 0,003 | 8 | 34,5 | 120 | 21 | Plate | Simple | |

FEATURES

Resolution 0.01 mm or 0.001 mm.
Without stem locking.

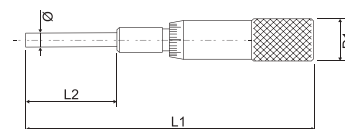
Supplied with calibration certificate.

MICROMETER HEAD 0-50 MM STROKE

FEATURES

Resolution 0.01 mm.
Without stem lock.

Supplied with calibration certificate.



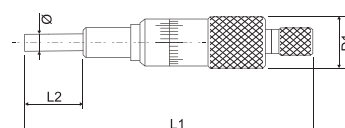
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|---------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB21001 | 0 + 50 | 0,01 | ± 0,005 | 8 | 59 | - | 21 | Plate | Simple | |

MICROMETER HEAD 0-25 MM STROKE

FEATURES

Resolution 0.001 mm.
Without parallax error.

Supplied with calibration certificate.



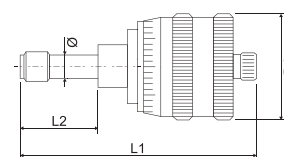
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|--------|----------|---------------|-------------|------|-------|-------|-------|---------|--------|-----------------|
| BB215A | 0 + 25 | 0,001 | ± 0,003 | 6,5 | 28,5 | 113 | 19,5 | Plate | Simple | |

MICROMETER HEAD

FEATURES

Resolution 0.002 mm.
Large drum (Ø 49 mm) for high measuring resolution for XY planes.
Screw pitch 0.5 mm.
Bidirectional readout with count inversion for easy reading in both sides.

Supplied with calibration certificate.



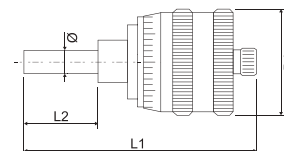
| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|----------|----------|---------------|-------------|------|-------|-------|-------|---------|------------------------|-----------------|
| BB22025A | 0 + 25 | 0,002 | ± 0,003 | 6,5 | 38,5 | 119 | 49 | Plate | With one-sided reading | |
| BB22025B | 0 + 25 | 0,002 | ± 0,003 | 6,5 | 38,5 | 119 | 49 | Plate | With bilateral reading | |
| BB22050A | 0 + 50 | 0,002 | ± 0,005 | 6,5 | 65 | 163 | 49 | Plate | With one-sided reading | |
| BB22050B | 0 + 50 | 0,002 | ± 0,005 | 6,5 | 65 | 163 | 49 | Plate | With bilateral reading | |

MICROMETER HEAD 0-50 MM STROKE

FEATURES

Resolution 0.005 mm for high reading resolution.
Screw pitch 1 mm.
Non-rotating stem with flat measuring face and carbide coating.

Supplied with calibration certificate.

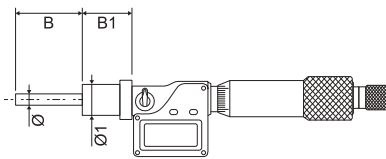


| Code | Range mm | Resolution mm | Accuracy mm | Ø mm | L2 mm | L1 mm | D1 mm | Contact | Head | Price List Page |
|---------|----------|---------------|-------------|------|-------|-------|-------|---------|-------------------|-----------------|
| BB22550 | 0 + 50 | 0,005 | ± 0,005 | 8 | 65 | 145,5 | 49 | Plate | Non-rotating stem | |

IP65 DIGITAL MICROMETER HEAD



| Code | Range mm | Accuracy mm | B mm | B1 mm | Ø mm | Ø1 mm | Price List Page |
|---------|----------|-------------|------|-------|------|-------|-----------------|
| BA08725 | 0 ÷ 25 | ± 0,003 | 28,5 | 17,5 | 6,5 | 12 | |
| BA08750 | 0 ÷ 50 | ± 0,005 | 53 | 35,5 | 7,5 | 12 | |



FEATURES

Resolution 0.001 mm.
Protection IP65.
Electronics protected against dust and water jets.
Contacts hard metal.

FUNCTIONS

- Zero
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

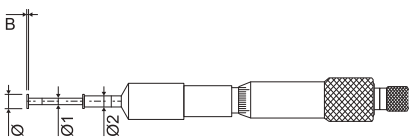
ACCESSORIES

| |
|-------------------|
| ACC02002 |
| Battery 1.5V LR44 |

TRANSVERSE GROOVING MICROMETER



| Code | Range mm | Accuracy mm | B mm | Ø mm | Ø1 mm | Ø2 mm | Price List Page |
|----------|----------|-------------|------|------|-------|-------|-----------------|
| BB25525S | 0 ÷ 25 | ± 0,001 | 0,75 | 6,5 | 3 | 5 | |
| BB25525 | 0 ÷ 25 | ± 0,001 | 0,75 | 13 | 6,35 | 10 | |
| BB25550 | 25 ÷ 50 | ± 0,001 | 0,75 | 13 | 6,35 | 10 | |
| BB25575 | 50 ÷ 75 | ± 0,001 | 0,75 | 13 | 6,35 | 10 | |
| BB255100 | 75 ÷ 100 | ± 0,001 | 0,75 | 13 | 6,35 | 10 | |



FEATURES

Resolution 0.01 mm.
Tungsten carbide końcówka.
Non-rotating shank.
Bi-directional click clutch.
Laser-etched double scale for internal and external measurements.
Suitable for measuring internal transverse slots and shoulders in bores.

Supplied with calibration certificate.

CENTESIMAL THREE-POINT INDOOR MICROMETER

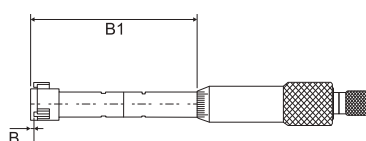
FEATURES

Resolution 0.01 mm.
 Graduated drum with sensitive friction.
 Supplied with ring and extension.
 Reading range 6-12 mm 0.001, over 0.005 mm.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | B mm | B1 mm | Ring mm | Extension mm | Price List Page |
|----------|----------|-------------|------|-------|---------|--------------|-----------------|
| BB2708 | 6 ÷ 8 | ± 0,004 | 1,5 | 54,5 | 6 | 100 | |
| BB27010 | 8 ÷ 10 | ± 0,004 | 1,5 | 54,5 | 8 | 100 | |
| BB27012 | 10 ÷ 12 | ± 0,004 | 1,5 | 54,5 | 10 | 100 | |
| BB27016 | 12 ÷ 16 | ± 0,004 | 0,5 | 80 | 16 | 150 | |
| BB27020 | 16 ÷ 20 | ± 0,004 | 0,5 | 80 | 16 | 150 | |
| BB27025 | 20 ÷ 25 | ± 0,004 | 0,5 | 90 | 25 | 150 | |
| BB27030 | 25 ÷ 30 | ± 0,004 | 0,5 | 90 | 25 | 150 | |
| BB27040 | 30 ÷ 40 | ± 0,004 | 0,5 | 97 | 40 | 150 | |
| BB27050 | 40 ÷ 50 | ± 0,005 | 0,5 | 97 | 40 | 150 | |
| BB27063 | 50 ÷ 63 | ± 0,005 | 0,5 | 114 | 62 | 150 | |
| BB27075 | 62 ÷ 75 | ± 0,005 | 0,5 | 114 | 62 | 150 | |
| BB27088 | 75 ÷ 88 | ± 0,005 | 0,5 | 114 | 87 | 150 | |
| BB270100 | 87 ÷ 100 | ± 0,005 | 0,5 | 114 | 87 | 150 | |



CENTESIMAL MICROMETER SET FOR INDOOR USE WITH THREE TIPS

FEATURES

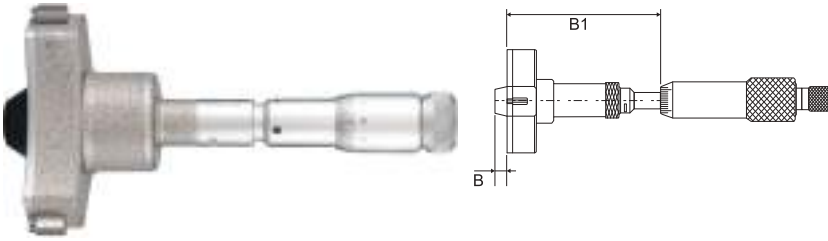
Resolution 0.01 mm.
 Graduated drum with sensitive friction.
 Supplied with ring and extension.
 Reading range 6-12 mm 0.001, over 0.005 mm.

Supplied with calibration certificate.



| Code | Range mm | Extension mm | Dimensions mm | Ring Ø mm | Price List Page |
|-------------|----------|--------------|--------------------------------|-----------|-----------------|
| BB27212SET | 6 ÷ 12 | 100 | 6-8/8-10/10-12 | 6/8/10 | |
| BB27220SET | 12 ÷ 20 | 150 | 12-16/16-20 | 16 | |
| BB27240SET | 20 ÷ 40 | 150 | 20-25/25-30/30-40 | 25/40 | |
| BB272100SET | 40 ÷ 100 | 150 | 40-50/50-63/62-75/75-88/87-100 | 40/62/87 | |

THREE-PRONGED INDOOR MICROMETER



| Code | Range mm | Accuracy mm | Extension mm | B mm | B1 mm | Price List Page |
|----------|-----------|-------------|--------------|------|-------|-----------------|
| BB271125 | 100 ÷ 125 | ± 0,005 | 150 | 16 | 145 | |
| BB271150 | 125 ÷ 150 | ± 0,005 | 150 | 16 | 145 | |
| BB271175 | 150 ÷ 175 | ± 0,005 | 150 | 16 | 145 | |
| BB271200 | 175 ÷ 200 | ± 0,005 | 150 | 16 | 145 | |
| BB271225 | 200 ÷ 225 | ± 0,010 | 150 | 16 | 145 | |
| BB271250 | 225 ÷ 250 | ± 0,010 | 150 | 16 | 145 | |
| BB271275 | 250 ÷ 275 | ± 0,010 | 150 | 16 | 145 | |
| BB271300 | 275 ÷ 300 | ± 0,010 | 150 | 16 | 145 | |

FEATURES

Resolution 0.005 mm.
Graduated drum with sensitive friction.
Supplied without ring and extension.

Supplied with calibration certificate.

CENTESIMAL MICROMETER FOR INDOOR USE WITH MODULAR EXTENSIONS



| Code | Range mm | Extension Ø mm | Composition mm | Head mm | Price List Page |
|-----------|-------------|----------------|---|-------------|-----------------|
| BB25063 | 50 ÷ 63 | - | Micrometer head only | 50 ÷ 63 | |
| BB250150 | 50 ÷ 150 | 16 | 13 - 25 - 50 | 50 ÷ 63 | |
| BB250300 | 50 ÷ 300 | 16 | 13 - 25 - 50 (2 pcs.) - 100 | 50 ÷ 63 | |
| BB250600 | 50 ÷ 600 | 16 | 13 - 25 - 50 - 100 - 150 - 200 | 50 ÷ 63 | |
| BB2501000 | 50 ÷ 1000 | 16 | 13 - 25 - 50 - 100 (2 pcs.) 150 - 200 - 300 | 50 ÷ 63 | |
| BB2501500 | 50 ÷ 1500 | 16 | 13 - 25 - 50 - 100 (2 pcs.) 150 - 200 (2 pcs.) 300 (2 pcs.) | 50 ÷ 63 | |
| BB2502000 | 150 ÷ 2000 | 23 | 25 - 50 (2 pcs.) 100 - 200 (2 pcs.) 400 (3 pcs.) | 150 ÷ 175 | |
| BB2503000 | 1000 ÷ 3000 | 28 | 50 - 100 (2 pcs.) 200 - 500 - 1000 | 1000 ÷ 1050 | |

FEATURES

Resolution 0.01 mm.
Tungsten carbide contacts.

Supplied with calibration certificate.

FEATURES

Resolution 0.001 mm.
 IP67 protection.
 Electronics protected against dust and brief immersion in water.
 Supplied with UKAS certificate of measuring heads and calibration rings.
 Measuring heads for threads, grooves, deep bores and many other applications available on request.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| BC076BLE |
| Bluetooth device |



| Code | Range mm | Accuracy mm | Depth mm | Ring mm | Display BT | Testa | Price List Page |
|------------|-----------|-------------|----------|---------|------------|-----------|-----------------|
| BA2112,5 | 2 ÷ 2,5* | 0,004 | 9 | 2,5 | BA2076 | BB2902.5 | |
| BA2112,5W | 2 ÷ 2,5* | 0,004 | 9 | - | BA2076 | BB2902.5 | |
| BA2113 | 2,5 ÷ 3* | 0,004 | 9 | 2,5 | BA2076 | BB2903 | |
| BA2113W | 2,5 ÷ 3* | 0,004 | 9 | - | BA2076 | BB2903 | |
| BA2114 | 3 ÷ 4* | 0,004 | 12 | 4 | BA2076 | BB2904 | |
| BA2114W | 3 ÷ 4* | 0,004 | 12 | - | BA2076 | BB2904 | |
| BA2115 | 4 ÷ 5* | 0,004 | 18 | 4 | BA2076 | BB2905 | |
| BA2115W | 4 ÷ 5* | 0,004 | 18 | - | BA2076 | BB2905 | |
| BA2116 | 5 ÷ 6* | 0,004 | 18 | 5 | BA2076 | BB2906 | |
| BA2116W | 5 ÷ 6* | 0,004 | 18 | - | BA2076 | BB2906 | |
| BA2118 | 6 ÷ 8 | 0,004 | 58 | 8 | BA20710 | BB2908 | |
| BA2118W | 6 ÷ 8 | 0,004 | 58 | - | BA20710 | BB2908 | |
| BA21110 | 8 ÷ 10 | 0,004 | 58 | 8 | BA20710 | BB29010 | |
| BA21110W | 8 ÷ 10 | 0,004 | 58 | - | BA20710 | BB29010 | |
| BA21112,5 | 10 ÷ 12,5 | 0,004 | 58 | 12,5 | BA20720 | BB29012.5 | |
| BA21112,5W | 10 ÷ 12,5 | 0,004 | 58 | - | BA20720 | BB29012.5 | |
| BA21116 | 12,5 ÷ 16 | 0,004 | 62 | 12,5 | BA20720 | BB29016 | |
| BA21116W | 12,5 ÷ 16 | 0,004 | 62 | - | BA20720 | BB29016 | |
| BA21120 | 16 ÷ 20 | 0,004 | 62 | 20 | BA20720 | BB29020 | |
| BA21120W | 16 ÷ 20 | 0,004 | 62 | - | BA20720 | BB29020 | |
| BA21125 | 20 ÷ 25 | 0,004 | 66 | 20 | BA20750 | BB29025 | |
| BA21125W | 20 ÷ 25 | 0,004 | 66 | - | BA20750 | BB29025 | |
| BA21135 | 25 ÷ 35 | 0,004 | 66 | 35 | BA20750 | BB29035 | |
| BA21135W | 25 ÷ 35 | 0,004 | 66 | - | BA20750 | BB29035 | |
| BA21150 | 35 ÷ 50 | 0,004 | 80 | 35 | BA20750 | BB29050 | |
| BA21150W | 35 ÷ 50 | 0,004 | 80 | - | BA20750 | BB29050 | |
| BA21165 | 50 ÷ 65 | 0,005 | 80 | 65 | BA207100 | BB29065 | |
| BA21165W | 50 ÷ 65 | 0,005 | 80 | - | BA207100 | BB29065 | |
| BA21180 | 65 ÷ 80 | 0,005 | 80 | 65 | BA207100 | BB29080 | |
| BA21180W | 65 ÷ 80 | 0,005 | 80 | - | BA207100 | BB29080 | |
| BA211100 | 80 ÷ 100 | 0,005 | 100 | 80 | BA207100 | BB290100 | |
| BA211100W | 80 ÷ 100 | 0,005 | 100 | - | BA207100 | BB290100 | |
| BA211125 | 100 ÷ 125 | 0,006 | 115 | 125 | BA207200 | BB290125 | |
| BA211125W | 100 ÷ 125 | 0,006 | 115 | - | BA207200 | BB290125 | |
| BA211150 | 125 ÷ 150 | 0,006 | 115 | 125 | BA207200 | BB290150 | |
| BA211150W | 125 ÷ 150 | 0,006 | 115 | - | BA207200 | BB290150 | |
| BA211175 | 150 ÷ 175 | 0,007 | 115 | 175 | BA207200 | BB290175 | |
| BA211175W | 150 ÷ 175 | 0,007 | 115 | - | BA207200 | BB290175 | |
| BA211200 | 175 ÷ 200 | 0,007 | 115 | 175 | BA207200 | BB290200 | |
| BA211200W | 175 ÷ 200 | 0,007 | 115 | - | BA207200 | BB290200 | |
| BA211225 | 200 ÷ 225 | 0,008 | 118 | 225 | BA207300 | BB290225 | |
| BA211225W | 200 ÷ 225 | 0,008 | 118 | - | BA207300 | BB290225 | |
| BA211250 | 225 ÷ 250 | 0,008 | 118 | 225 | BA207300 | BB290250 | |
| BA211250W | 225 ÷ 250 | 0,008 | 118 | - | BA207300 | BB290250 | |
| BA211275 | 250 ÷ 275 | 0,009 | 118 | 275 | BA207300 | BB290275 | |
| BA211275W | 250 ÷ 275 | 0,009 | 118 | - | BA207300 | BB290275 | |
| BA211300 | 275 ÷ 300 | 0,009 | 118 | 275 | BA207300 | BB290300 | |
| BA211300W | 275 ÷ 300 | 0,009 | 118 | - | BA207300 | BB290300 | |

IP67 INDOOR DIGITAL MICROMETER SET WITH BLUETOOTH® AND PRESETS



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|--------------|-----------|----------------------|--------------------|-----------------|
| BA2126SET | 2 ÷ 6 | 5 | 3 | |
| BA21210SET | 6 ÷ 10 | 2 | 1 | |
| BA21220SET | 10 ÷ 20 | 3 | 2 | |
| BA21250SET | 20 ÷ 50 | 3 | 2 | |
| BA212100SET | 50 ÷ 100 | 3 | 2 | |
| BA212150SET | 100 ÷ 150 | 2 | 1 | |
| BA212200SET1 | 150 ÷ 200 | 2 | 1 | |
| BA212200SET2 | 100 ÷ 200 | 4 | 2 | |



FEATURES

Resolution 0.001 mm.
IP67 protection.
Electronics protected against dust and brief immersion in water.
Supplied with UKAS certificate of measuring heads and calibration rings.
Measuring heads for threads, grooves, deep bores and many other applications available on request.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| BC076BLE |
| Bluetooth device |

BLUETOOTH® IP67 DISPLAY FOR INDOOR DIGITAL MICROMETERS



| Code | Range mm | Accuracy mm | Price List Page |
|----------|-----------|----------------|-----------------|
| BA2076 | 2 ÷ 6 | 0,004 | |
| BA20710 | 6 ÷ 10 | 0,004 | |
| BA20720 | 10 ÷ 20 | 0,004 | |
| BA20750 | 20 ÷ 50 | 0,004 | |
| BA207100 | 50 ÷ 100 | 0,005 | |
| BA207200 | 100 ÷ 200 | 0,006 0,007 | |
| BA207300 | 200 ÷ 300 | 0,008 0,009 | |



FEATURES

IP67 protection.
Electronics protected against dust and splash water.
Data output.
Replacement electronics unit for XT digital micrometers.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| BC076BLE |
| Bluetooth device |

FEATURES

- Resolution 0.001 mm.
- IP67 protection.
- Electronics protected against dust and brief immersion in water.
- 4 Presets.
- Supplied with UKAS certificate of measuring heads and calibration rings.
- High repeatability pistol trigger.
- Ideal for series inspection.
- Carbide contacts.
- Measuring blind holes from Ø 12.5 mm.
- Measuring heads for threads, grooves, deep holes and many other applications available on request.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| BC076BLE |
| Bluetooth device |



| Code | Range mm | Accuracy mm | Depth mm | Ring mm | Display BT | Testa | Price List Page |
|------------|-----------|-------------|----------|---------|------------|-----------|-----------------|
| BA2252,5 | 2 ÷ 2,5 | 0,004 | 9 | 2,5 | BA2326 | BB2902.5 | |
| BA2252,5W | 2 ÷ 2,5 | 0,004 | 9 | - | BA2326 | BB2902.5 | |
| BA2253 | 2,5 ÷ 3 | 0,004 | 9 | 2,5 | BA2326 | BB2903 | |
| BA2253W | 2,5 ÷ 3 | 0,004 | 9 | - | BA2326 | BB2903 | |
| BA2254 | 3 ÷ 4 | 0,004 | 12 | 4 | BA2326 | BB2904 | |
| BA2254W | 3 ÷ 4 | 0,004 | 12 | - | BA2326 | BB2904 | |
| BA2255 | 4 ÷ 5 | 0,004 | 18 | 4 | BA2326 | BB2905 | |
| BA2255W | 4 ÷ 5 | 0,004 | 18 | - | BA2326 | BB2905 | |
| BA2256 | 5 ÷ 6 | 0,004 | 18 | 5 | BA2326 | BB2906 | |
| BA2256W | 5 ÷ 6 | 0,004 | 18 | - | BA2326 | BB2906 | |
| BA2258 | 6 ÷ 8 | 0,004 | 58 | 8 | BA23220 | BB2908 | |
| BA2258W | 6 ÷ 8 | 0,004 | 58 | - | BA23220 | BB2908 | |
| BA22510 | 8 ÷ 10 | 0,004 | 58 | 8 | BA23220 | BB29010 | |
| BA22510W | 8 ÷ 10 | 0,004 | 58 | - | BA23220 | BB29010 | |
| BA22512,5 | 10 ÷ 12,5 | 0,004 | 58 | 12,5 | BA23220 | BB29012.5 | |
| BA22512,5W | 10 ÷ 12,5 | 0,004 | 58 | - | BA23220 | BB29012.5 | |
| BA22516 | 12,5 ÷ 16 | 0,004 | 62 | 12,5 | BA23220 | BB29016 | |
| BA22516W | 12,5 ÷ 16 | 0,004 | 62 | - | BA23220 | BB29016 | |
| BA22520 | 16 ÷ 20 | 0,004 | 62 | 20 | BA23220 | BB29020 | |
| BA22520W | 16 ÷ 20 | 0,004 | 62 | - | BA23220 | BB29020 | |
| BA22525 | 20 ÷ 25 | 0,004 | 66 | 20 | BA232100 | BB29025 | |
| BA22525W | 20 ÷ 25 | 0,004 | 66 | - | BA232100 | BB29025 | |
| BA22535 | 25 ÷ 35 | 0,004 | 66 | 35 | BA232100 | BB29035 | |
| BA22535W | 25 ÷ 35 | 0,004 | 66 | - | BA232100 | BB29035 | |
| BA22550 | 35 ÷ 50 | 0,004 | 80 | 35 | BA232100 | BB29050 | |
| BA22550W | 35 ÷ 50 | 0,004 | 80 | - | BA232100 | BB29050 | |
| BA22565 | 50 ÷ 65 | 0,005 | 80 | 65 | BA232100 | BB29065 | |
| BA22565W | 50 ÷ 65 | 0,005 | 80 | - | BA232100 | BB29065 | |
| BA22580 | 65 ÷ 80 | 0,005 | 80 | 65 | BA232100 | BB29080 | |
| BA22580W | 65 ÷ 80 | 0,005 | 80 | - | BA232100 | BB29080 | |
| BA225100 | 80 ÷ 100 | 0,005 | 85 | 80 | BA232100 | BB290100 | |
| BA225100W | 80 ÷ 100 | 0,005 | 85 | - | BA232100 | BB290100 | |
| BA225125 | 100 ÷ 125 | 0,006 | 100 | 125 | BA232300 | BB290125 | |
| BA225125W | 100 ÷ 125 | 0,006 | 100 | - | BA232300 | BB290125 | |
| BA225150 | 125 ÷ 150 | 0,006 | 100 | 125 | BA232300 | BB290150 | |
| BA225150W | 125 ÷ 150 | 0,006 | 100 | - | BA232300 | BB290150 | |
| BA225175 | 150 ÷ 175 | 0,007 | 100 | 175 | BA232300 | BB290175 | |
| BA225175W | 150 ÷ 175 | 0,007 | 100 | - | BA232300 | BB290175 | |
| BA225200 | 175 ÷ 200 | 0,007 | 100 | 175 | BA232300 | BB290200 | |
| BA225200W | 175 ÷ 200 | 0,007 | 100 | - | BA232300 | BB290200 | |
| BA225225 | 200 ÷ 225 | 0,008 | 100 | 225 | BA232300 | BB290225 | |
| BA225225W | 200 ÷ 225 | 0,008 | 100 | - | BA232300 | BB290225 | |
| BA225250 | 225 ÷ 250 | 0,008 | 103 | 225 | BA232300 | BB290250 | |
| BA225250W | 225 ÷ 250 | 0,008 | 103 | - | BA232300 | BB290250 | |
| BA225275 | 250 ÷ 275 | 0,009 | 103 | 275 | BA232300 | BB290275 | |
| BA225275W | 250 ÷ 275 | 0,009 | 103 | - | BA232300 | BB290275 | |
| BA225300 | 275 ÷ 300 | 0,009 | 103 | 275 | BA232300 | BB290300 | |
| BA225300W | 275 ÷ 300 | 0,009 | 103 | - | BA232300 | BB290300 | |

IP67 QUICK-ACTING INDOOR DIGITAL MICROMETER SET WITH BLUETOOTH® AND PRESETS



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|--------------|-----------|----------------------|--------------------|-----------------|
| BA2423SET | 2 ÷ 6 | 5 | 3 | |
| BA24210SET | 6 ÷ 10 | 2 | 1 | |
| BA24220SET | 10 ÷ 20 | 3 | 2 | |
| BA24250SET | 20 ÷ 50 | 3 | 2 | |
| BA242100SET | 50 ÷ 100 | 3 | 2 | |
| BA242150SET | 100 ÷ 150 | 2 | 1 | |
| BA242200SET | 150 ÷ 200 | 2 | 1 | |
| BA24220SETL | 6 ÷ 20 | 5 | 3 | |
| BA242100SETL | 20 ÷ 100 | 6 | 2 | |
| BA242200SETL | 100 ÷ 200 | 4 | 2 | |

BLUETOOTH® IP67 BLUETOOTH® DISPLAY FOR DIGITAL MILLESIMAL MICROMETER WITH QUICK-ACTION PRESETS



| Code | Range mm | Accuracy mm | Price List Page |
|----------|-----------|----------------------------------|-----------------|
| BA2326 | 2 ÷ 6 | 0,004 | |
| BA23220 | 6 ÷ 20 | 0,004 | |
| BA232100 | 20 ÷ 100 | 0,004 0,005 | |
| BA232300 | 100 ÷ 300 | 0,006 0,007 0,008 0,009 | |



FEATURES

Resolution 0.001 mm.
IP67 protection.
Electronics protected against dust and brief immersion in water.
4 Presets.
Supplied with UKAS certificate of measuring heads and calibration rings.
High repeatability pistol trigger.
Ideal for series testing.
Tungsten carbide contacts.
Measuring blind holes from Ø 12.5 mm.
Supplied in wooden case complete with calibration rings.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|---------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01000 | Proximity RS232 connector |
| ACC01001 | USB Proximity Connector |
| BC076BLE | Bluetooth device |



FEATURES

Resolution 0.001 mm.
IP67 protection.
Electronics protected against dust and brief immersion in water.
4 Presets.
High repeatability pistol trigger.
Ideal for series testing.
Replacement pistol electronics unit for XTH models.

FUNCTIONS

- Bluetooth®
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|---------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01000 | Proximity RS232 connector |
| ACC01001 | USB Proximity Connector |
| BC076BLE | Bluetooth device |

FEATURES

Single replacement head for digital micrometers XT and XTH supplied with UKAS certificate.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | Depth mm | Price List Page |
|-----------|-----------|-------------|----------|-----------------|
| BB2902,5 | 2 ÷ 2,5 | 0,004 | 9 | |
| BB2903 | 2,5 ÷ 3 | 0,004 | 9 | |
| BB2904 | 3 ÷ 4 | 0,004 | 12 | |
| BB2905 | 4 ÷ 5 | 0,004 | 18 | |
| BB2906 | 5 ÷ 6 | 0,004 | 18 | |
| BB2908 | 6 ÷ 8 | 0,004 | 58 | |
| BB29010 | 8 ÷ 10 | 0,004 | 58 | |
| BB29012,5 | 10 ÷ 12,5 | 0,004 | 58 | |
| BB29016 | 12,5 ÷ 16 | 0,004 | 62 | |
| BB29020 | 16 ÷ 20 | 0,004 | 62 | |
| BB29025 | 20 ÷ 25 | 0,004 | 66 | |
| BB29035 | 25 ÷ 35 | 0,004 | 66 | |
| BB29050 | 35 ÷ 50 | 0,004 | 80 | |
| BB29065 | 50 ÷ 65 | 0,005 | 80 | |
| BB29080 | 65 ÷ 80 | 0,005 | 80 | |
| BB290100 | 80 ÷ 100 | 0,005 | 85 | |
| BB290125 | 100 ÷ 125 | 0,006 | 100 | |
| BB290150 | 125 ÷ 150 | 0,006 | 100 | |
| BB290175 | 150 ÷ 175 | 0,007 | 100 | |
| BB290200 | 175 ÷ 200 | 0,007 | 100 | |
| BB290225 | 200 ÷ 225 | 0,008 | 100 | |
| BB290250 | 225 ÷ 250 | 0,008 | 103 | |
| BB290275 | 250 ÷ 275 | 0,009 | 103 | |
| BB290300 | 275 ÷ 300 | 0,009 | 103 | |

ANALOGUE INDOOR MICROMETER



FEATURES

Supplied with UKAS certificate of XTA measuring heads and calibration rings.
 Large measuring travel.
 Wide range 2-300 mm.
 Easily readable scale.
 * 2-6 mm measurement on 2 points.

Supplied with calibration certificate.

| Code | Range mm | Accuracy mm | Depth mm | Ring mm | Setting rings | Price List Page |
|------------|-----------|-------------|----------|---------|---------------|-----------------|
| BB3002,5 | 2 ÷ 2,5* | 0,004 | 9 | 2,5 | Si | |
| BB3002,5W | 2 ÷ 2,5* | 0,004 | 9 | 2,5 | No | |
| BB3003 | 2,5 ÷ 3* | 0,004 | 9 | 2,5 | Si | |
| BB3003W | 2,5 ÷ 3* | 0,004 | 9 | 2,5 | No | |
| BB3004 | 3 ÷ 4* | 0,004 | 12 | 4 | Si | |
| BB3004W | 3 ÷ 4* | 0,004 | 12 | 4 | No | |
| BB3005 | 4 ÷ 5* | 0,004 | 18 | 4 | Si | |
| BB3005W | 4 ÷ 5* | 0,004 | 18 | 4 | No | |
| BB3006 | 5 ÷ 6* | 0,004 | 18 | 5 | Si | |
| BB3006W | 5 ÷ 6* | 0,004 | 18 | 5 | No | |
| BB3008 | 6 ÷ 8 | 0,004 | 58 | 8 | Si | |
| BB3008W | 6 ÷ 8 | 0,004 | 58 | 8 | No | |
| BB30010 | 8 ÷ 10 | 0,004 | 58 | 8 | Si | |
| BB30010W | 8 ÷ 10 | 0,004 | 58 | 8 | No | |
| BB30012,5 | 10 ÷ 12,5 | 0,004 | 58 | 12,5 | Si | |
| BB30012,5W | 10 ÷ 12,5 | 0,004 | 58 | 12,5 | No | |
| BB30016 | 12,5 ÷ 16 | 0,004 | 62 | 12,5 | Si | |
| BB30016W | 12,5 ÷ 16 | 0,004 | 62 | 12,5 | No | |
| BB30020 | 16 ÷ 20 | 0,004 | 62 | 20 | Si | |
| BB30020W | 16 ÷ 20 | 0,004 | 62 | 20 | No | |
| BB30025 | 20 ÷ 25 | 0,004 | 66 | 20 | Si | |
| BB30025W | 20 ÷ 25 | 0,004 | 66 | 20 | No | |
| BB30035 | 25 ÷ 35 | 0,004 | 66 | 35 | Si | |
| BB30035W | 25 ÷ 35 | 0,004 | 66 | 35 | No | |
| BB30050 | 35 ÷ 50 | 0,004 | 80 | 35 | Si | |
| BB30050W | 35 ÷ 50 | 0,004 | 80 | 35 | No | |
| BB30065 | 50 ÷ 65 | 0,005 | 80 | 65 | Si | |
| BB30065W | 50 ÷ 65 | 0,005 | 80 | 65 | No | |
| BB30080 | 65 ÷ 80 | 0,005 | 80 | 65 | Si | |
| BB30080W | 65 ÷ 80 | 0,005 | 80 | 65 | No | |
| BB300100 | 80 ÷ 100 | 0,005 | 100 | 80 | Si | |
| BB300100W | 80 ÷ 100 | 0,005 | 100 | 80 | No | |
| BB300125 | 100 ÷ 125 | 0,006 | 115 | 125 | Si | |
| BB300125W | 100 ÷ 125 | 0,006 | 115 | 125 | No | |
| BB300150 | 125 ÷ 150 | 0,006 | 115 | 125 | Si | |
| BB300150W | 125 ÷ 150 | 0,006 | 115 | 125 | No | |
| BB300175 | 150 ÷ 175 | 0,007 | 115 | 175 | Si | |
| BB300175W | 150 ÷ 175 | 0,007 | 115 | 175 | No | |
| BB300200 | 175 ÷ 200 | 0,007 | 115 | 175 | Si | |
| BB300200W | 175 ÷ 200 | 0,007 | 115 | 175 | No | |
| BB300225 | 200 ÷ 225 | 0,008 | 118 | 225 | Si | |
| BB300225W | 200 ÷ 225 | 0,008 | 118 | 225 | No | |
| BB300250 | 225 ÷ 250 | 0,008 | 118 | 225 | Si | |
| BB300250W | 225 ÷ 250 | 0,008 | 118 | 225 | No | |
| BB300275 | 250 ÷ 275 | 0,009 | 118 | 275 | Si | |
| BB300275W | 250 ÷ 275 | 0,009 | 118 | 275 | No | |
| BB300300 | 275 ÷ 300 | 0,009 | 118 | 275 | Si | |
| BB300300W | 275 ÷ 300 | 0,009 | 118 | 275 | No | |

ANALOGUE MICROMETER SET FOR INDOOR USE

FEATURES

Supplied with UKAS certificate of XTA measuring heads and calibration rings.
Large measuring range 2-300 mm.
Easy-to-read scale.

Supplied with calibration certificate.



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|-------------|-----------|----------------------|--------------------|-----------------|
| BB3103SET | 2 ÷ 3 | 2 | 1 | |
| BB3106SET | 3 ÷ 6 | 3 | 2 | |
| BB31010SET | 6 ÷ 10 | 2 | 1 | |
| BB31020SET | 10 ÷ 20 | 3 | 2 | |
| BB31050SET | 20 ÷ 50 | 3 | 2 | |
| BB310100SET | 50 ÷ 100 | 3 | 2 | |
| BB310150SET | 100 ÷ 150 | 2 | 1 | |
| BB310200SET | 150 ÷ 200 | 2 | 1 | |

DIGITAL LEVER MICROMETER FOR INDOOR USE

FEATURES

Supplied with UKAS certificate of XTL measuring heads and calibration rings.
Ideal for vertical bore gauging.
Can be equipped with a wide variety of analogue and digital indicators including IP65 and transducer probes.
A wireless module is also available to connect to external wireless units.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|---------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01001 | USB Proximity Connector |
| ACC01002 | OPTO-USB connection cable |



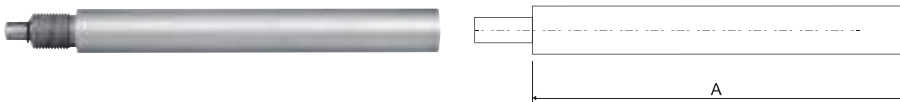
| Code | Range mm | Accuracy mm | Depth mm | Setting rings mm | Price List Page |
|----------|----------|-------------|----------|------------------|-----------------|
| BA28125 | 20 ÷ 25 | 0,004 | 66 | 20 | |
| BA28135 | 25 ÷ 35 | 0,004 | 66 | 35 | |
| BA28150 | 35 ÷ 50 | 0,004 | 80 | 35 | |
| BA28165 | 50 ÷ 65 | 0,005 | 80 | 35 | |
| BA28180 | 65 ÷ 80 | 0,005 | 80 | 65 | |
| BA281100 | 80 ÷ 100 | 0,005 | 85 | 80 | |

DIGITAL LEVER MICROMETER SET FOR INDOOR USE



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|-------------|----------|----------------------|--------------------|-----------------|
| BA28650SET | 20 ÷ 50 | 3 | 2 | |
| BA286100SET | 50 ÷ 100 | 3 | 2 | |

EXTENSION FOR DIGITAL HOLE MICROMETERS



| Code | To fit heads mm | A mm | Price List Page |
|-----------|-----------------|------|-----------------|
| BC07510 | 6 ÷ 10 | 63 | |
| BC07512,5 | 10 ÷ 12,5 | 76 | |
| BC07520 | 12,5 ÷ 20 | 100 | |
| BC07550 | 20 ÷ 50 | 150 | |
| BC075300 | 50 ÷ 300 | 150 | |

SETTING RING FOR HOLE MICROMETERS



| Code | Setting rings mm | Price List Page |
|-----------|------------------|-----------------|
| BC0802,5 | 2,5 | |
| BC0804 | 4 | |
| BC0805 | 5 | |
| BC0808 | 8 | |
| BC08012,5 | 12,5 | |
| BC08020 | 20 | |
| BC08035 | 35 | |

| Code | Setting rings mm | Price List Page |
|----------|------------------|-----------------|
| BC08065 | 65 | |
| BC08080 | 80 | |
| BC080125 | 125 | |
| BC080175 | 175 | |
| BC080225 | 225 | |
| BC080275 | 275 | |



FEATURES

Supplied with UKAS certificate of XTL measuring heads and calibration rings.
Ideal for vertical bore gauging.
Can be equipped with a wide variety of analogue and digital indicators including IP65 and transducer probes.
A wireless module is also available to connect to external wireless units.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.



FEATURES

Extensions of different lengths to fit XT, XTH and XTA to reach greater depths.



FEATURES

Resetting ring for digital and analogue indoor micrometers, XT, XTH and XTA series.
Supplied with UKAS certificate.

Supplied with calibration certificate.

FEATURES

Replacement anvils for XT series sold in 3-piece sets.



| Code | Range mm | Price List Page |
|---------|-----------|-----------------|
| BC0856 | 6 ÷ 8 | |
| BC0858 | 8 ÷ 10 | |
| BC08510 | 10 ÷ 12,5 | |
| BC08512 | 12,5 ÷ 16 | |
| BC08516 | 16 ÷ 20 | |
| BC08520 | 20 ÷ 25 | |
| BC08525 | 25 ÷ 35 | |
| BC08535 | 35 ÷ 50 | |
| BC08550 | 50 ÷ 65 | |
| BC08565 | 65 ÷ 80 | |

| Code | Range mm | Price List Page |
|----------|-----------|-----------------|
| BC08580 | 80 ÷ 100 | |
| BC085100 | 100 ÷ 125 | |
| BC085125 | 125 ÷ 150 | |
| BC085150 | 150 ÷ 175 | |
| BC085175 | 175 ÷ 200 | |
| BC085200 | 200 ÷ 225 | |
| BC085225 | 225 ÷ 250 | |
| BC085250 | 250 ÷ 275 | |
| BC085275 | 275 ÷ 300 | |

DIGITAL MICROMETER FOR SMALL BORES

FEATURES

Switchable resolution 0.01/0.001/0.0005 mm.
Two-point contact micrometer.
Single instruments and sets supplied with readout unit, head, ring and UKAS certificate.
Ideal for checking diameter, ovality and taper.
Slimline digital display.
Hard chrome spherical contacts.
Depth stop and stand on request.



FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |

| Code | Range mm | Depth mm | Ring mm | Display | Cono | Testa | Price List Page |
|-----------|--------------|----------|---------|---------|--------|-----------|-----------------|
| BA248115 | 0,95 ÷ 1,15 | 0,6 ÷ 11 | 1 | BA2551 | BA2601 | BA250115 | |
| BA248125 | 1,07 ÷ 1,25 | 0,6 ÷ 11 | 1,1 | BA2551 | BA2601 | BA250125 | |
| BA248135 | 1,17 ÷ 1,35 | 0,6 ÷ 11 | 1,2 | BA2551 | BA2601 | BA250135 | |
| BA248145 | 1,27 ÷ 1,45 | 0,6 ÷ 11 | 1,3 | BA2551 | BA2601 | BA250145 | |
| BA248155 | 1,37 ÷ 1,55 | 0,6 ÷ 11 | 1,4 | BA2551 | BA2601 | BA250155 | |
| BA248190 | 1,50 ÷ 1,90 | 0,9 ÷ 17 | 1,75 | BA2552 | BA2602 | BA250190 | |
| BA248220 | 1,80 ÷ 2,20 | 0,9 ÷ 17 | 2 | BA2552 | BA2602 | BA250220 | |
| BA248245 | 2,05 ÷ 2,45 | 0,9 ÷ 17 | 2,25 | BA2552 | BA2602 | BA250245 | |
| BA248275 | 2,25 ÷ 2,75 | 1,2 ÷ 22 | 2,5 | BA2552 | BA2603 | BA250275 | |
| BA248300 | 2,50 ÷ 3,00 | 1,2 ÷ 22 | 2,75 | BA2552 | BA2603 | BA250300 | |
| BA248325 | 2,75 ÷ 3,25 | 1,2 ÷ 22 | 3 | BA2552 | BA2603 | BA250325 | |
| BA248350 | 3,00 ÷ 3,50 | 1,2 ÷ 22 | 3,25 | BA2552 | BA2603 | BA250350 | |
| BA248375 | 3,25 ÷ 3,75 | 1,2 ÷ 22 | 3,5 | BA2552 | BA2603 | BA250375 | |
| BA248400 | 3,50 ÷ 4,00 | 1,2 ÷ 22 | 3,75 | BA2552 | BA2603 | BA250400 | |
| BA248425 | 3,75 ÷ 4,25 | 1,2 ÷ 22 | 4 | BA2552 | BA2603 | BA250425 | |
| BA248435 | 3,65 ÷ 4,35 | 2,0 ÷ 40 | 4 | BA2552 | BA2604 | BA250435 | |
| BA248485 | 4,15 ÷ 4,85 | 2,0 ÷ 40 | 4,5 | BA2552 | BA2604 | BA250485 | |
| BA248535 | 4,65 ÷ 5,35 | 2,0 ÷ 40 | 5 | BA2552 | BA2604 | BA250535 | |
| BA248585 | 5,15 ÷ 5,85 | 2,0 ÷ 40 | 5,5 | BA2552 | BA2604 | BA250585 | |
| BA248635 | 5,65 ÷ 6,35 | 2,0 ÷ 40 | 6 | BA2552 | BA2604 | BA250635 | |
| BA248685 | 6,15 ÷ 6,85 | 2,0 ÷ 40 | 6,5 | BA2552 | BA2604 | BA250685 | |
| BA248735 | 6,65 ÷ 7,35 | 2,0 ÷ 40 | 7 | BA2552 | BA2604 | BA250735 | |
| BA248785 | 7,15 ÷ 7,85 | 2,0 ÷ 40 | 7,5 | BA2552 | BA2604 | BA250785 | |
| BA248835 | 7,65 ÷ 8,35 | 2,0 ÷ 40 | 8 | BA2552 | BA2604 | BA250835 | |
| BA248885 | 8,35 ÷ 8,85 | 2,0 ÷ 50 | 8,5 | BA2552 | BA2604 | BA250885 | |
| BA248935 | 8,65 ÷ 9,35 | 2,0 ÷ 50 | 9 | BA2552 | BA2604 | BA250935 | |
| BA248985 | 9,15 ÷ 9,85 | 2,0 ÷ 50 | 9,5 | BA2552 | BA2604 | BA250985 | |
| BA2481035 | 9,65 ÷ 10,35 | 2,0 ÷ 50 | 10 | BA2552 | BA2604 | BA2501035 | |

ELECTRONIC UNIT FOR DIGITAL MICROMETERS FOR SMALL BORES



| Code | Range mm | Price List Page |
|--------|--------------|-----------------|
| BA2551 | 0,95 ÷ 1,55 | |
| BA2552 | 1,50 ÷ 10,35 | |

SET OF DIGITAL MICROMETERS FOR SMALL BORES



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|--------------|--------------|----------------------|--------------------|-----------------|
| BA270155SET | 0,95 ÷ 1,55 | 5 | 5 | |
| BA270245SET | 1,50 ÷ 2,45 | 3 | 3 | |
| BA270425SET | 2,25 ÷ 4,25 | 7 | 7 | |
| BA270635SET | 3,65 ÷ 6,35 | 5 | 5 | |
| BA2701035SET | 6,15 ÷ 10,35 | 8 | 8 | |
| BA270245SETL | 0,95 ÷ 2,45 | 8 | 8 | |
| BA270425SETL | 1,50 ÷ 4,25 | 10 | 10 | |
| BA270635SETL | 2,25 ÷ 6,35 | 11 | 11 | |



FEATURES

Replacement electronic unit for digital micrometers for small bores.
Digital slimline display usable on several heads.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |



FEATURES

Set supplied with reading unit, head, ring and UKAS certificate.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |

FEATURES

Replacement head for digital micrometers for small bores.

Supplied with calibration certificate.



| Code | Range mm | Depth mm | Price List Page |
|-----------|--------------|----------|-----------------|
| BA250115 | 0,95 ÷ 1,15 | 0,6 ÷ 11 | |
| BA250125 | 1,07 ÷ 1,25 | 0,6 ÷ 11 | |
| BA250135 | 1,17 ÷ 1,35 | 0,6 ÷ 11 | |
| BA250145 | 1,27 ÷ 1,45 | 0,6 ÷ 11 | |
| BA250155 | 1,37 ÷ 1,55 | 0,6 ÷ 11 | |
| BA250190 | 1,50 ÷ 1,90 | 0,9 ÷ 17 | |
| BA250220 | 1,80 ÷ 2,20 | 0,9 ÷ 17 | |
| BA250245 | 2,05 ÷ 2,45 | 0,9 ÷ 17 | |
| BA250275 | 2,25 ÷ 2,75 | 1,2 ÷ 22 | |
| BA250300 | 2,50 ÷ 3,00 | 1,2 ÷ 22 | |
| BA250325 | 2,75 ÷ 3,25 | 1,2 ÷ 22 | |
| BA250350 | 3,00 ÷ 3,50 | 1,2 ÷ 22 | |
| BA250375 | 3,25 ÷ 3,75 | 1,2 ÷ 22 | |
| BA250400 | 3,50 ÷ 4,00 | 1,2 ÷ 22 | |
| BA250425 | 3,75 ÷ 4,25 | 1,2 ÷ 22 | |
| BA250435 | 3,65 ÷ 4,35 | 2,0 ÷ 40 | |
| BA250485 | 4,15 ÷ 4,85 | 2,0 ÷ 40 | |
| BA250535 | 4,65 ÷ 5,35 | 2,0 ÷ 40 | |
| BA250585 | 5,15 ÷ 5,85 | 2,0 ÷ 40 | |
| BA250635 | 5,65 ÷ 6,35 | 2,0 ÷ 40 | |
| BA250685 | 6,15 ÷ 6,85 | 2,0 ÷ 40 | |
| BA250735 | 6,65 ÷ 7,35 | 2,0 ÷ 40 | |
| BA250785 | 7,15 ÷ 7,85 | 2,0 ÷ 40 | |
| BA250835 | 7,65 ÷ 8,35 | 2,0 ÷ 40 | |
| BA250885 | 8,35 ÷ 8,85 | 2,0 ÷ 50 | |
| BA250935 | 8,65 ÷ 9,35 | 2,0 ÷ 50 | |
| BA250985 | 9,15 ÷ 9,85 | 2,0 ÷ 50 | |
| BA2501035 | 9,65 ÷ 10,35 | 2,0 ÷ 50 | |

CONE FOR DIGITAL MICROMETERS FOR SMALL BORES

FEATURES

Replacement cone for digital micrometers for small bores.

Different measuring heads can have cones of the same size.



| Code | Depth mm | Price List Page |
|--------|----------|-----------------|
| BA2601 | 0,6 ÷ 11 | |
| BA2602 | 0,9 ÷ 17 | |
| BA2603 | 1,2 ÷ 22 | |
| BA2604 | 2,0 ÷ 40 | |

SETTING RING FOR MICROMETERS FOR SMALL BORES



| Code | Dimension mm | Price List Page |
|----------|--------------|-----------------|
| BA265100 | 1,00 | |
| BA265110 | 1,10 | |
| BA265120 | 1,20 | |
| BA265130 | 1,30 | |
| BA265140 | 1,40 | |
| BA265175 | 1,75 | |
| BA265200 | 2,00 | |
| BA265225 | 2,25 | |
| BA265250 | 2,50 | |
| BA265275 | 2,75 | |
| BA265300 | 3,00 | |
| BA265325 | 3,25 | |
| BA265350 | 3,50 | |
| BA265375 | 3,75 | |

| Code | Dimension mm | Price List Page |
|-----------|--------------|-----------------|
| BA265400 | 4,00 | |
| BA265450 | 4,50 | |
| BA265500 | 5,00 | |
| BA265550 | 5,50 | |
| BA265600 | 6,00 | |
| BA265650 | 6,50 | |
| BA265700 | 7,00 | |
| BA265750 | 7,50 | |
| BA265800 | 8,00 | |
| BA265850 | 8,50 | |
| BA265900 | 9,00 | |
| BA265950 | 9,50 | |
| BA2651000 | 10,00 | |



FEATURES

Resetting rings for small bore micrometers.
Supplied with UKAS certificate.

Supplied with calibration certificate.

DEPTH STOP FOR MICROMETERS FOR SMALL BORES



| Code | Range mm | Price List Page |
|--------|--------------|-----------------|
| BC070A | 0,95 ÷ 1,55 | |
| BC070B | 1,50 ÷ 2,45 | |
| BC070C | 2,25 ÷ 4,25 | |
| BC070D | 3,65 ÷ 6,35 | |
| BC070E | 2 ÷ 6 | |
| BC070E | 6,15 ÷ 10,35 | |



FEATURES

Depth stops for micrometers for small holes.
The best solution to avoid measuring errors due to the small dimensions being measured.

PISTOL MICROMETER WITH DIAL INDICATOR

FEATURES

XTHSY Pistol Grip with large digital indicator.
The digital indicator fits into a standard 8 mm socket on the back of the measuring gun.
Available for all measuring heads in the range of XT instruments.
Optionally available with Bluetooth indicator.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch
- Tolerances

Supplied with calibration certificate.

ACCESSORIES

ACC02001

3V CR2032 battery

ACC01000

Proximity RS232 connector

ACC01001

USB Proximity Connector



| Code | Range mm | Accuracy mm | Depth mm | Price List Page |
|-----------|----------|-------------|----------|-----------------|
| BA29010 | 6 ÷ 10 | 0,004 | 58 | |
| BA29020 | 10 ÷ 20 | 0,004 | 62 | |
| BA29020A | 6 ÷ 20 | 0,004 | 58/62 | |
| BA29050 | 20 ÷ 50 | 0,004 | 66 | |
| BA290100 | 50 ÷ 100 | 0,005 | 82 | |
| BA290100A | 20 ÷ 100 | 0,005 | 66/82 | |

SET OF ELECTRONIC INDOOR GAUGES WITH DISPLAY

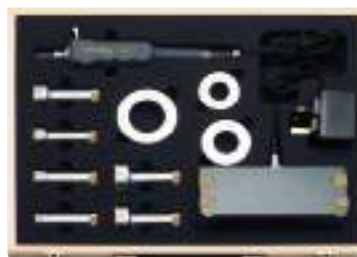
FEATURES

High-precision electronic set meter.
Supplied with certified tally rings and Sylvac D50S display for immediate reading of measurements.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|---------------|----------|----------------------|--------------------|-----------------|
| BA315SET0206 | 2 ÷ 6 | 5 | 3 | |
| BA315SET0610 | 6 ÷ 10 | 2 | 1 | |
| BA315SET0620 | 6 ÷ 20 | 6 | 3 | |
| BA315SET1020 | 10 ÷ 20 | 4 | 2 | |
| BA315SET2050 | 20 ÷ 50 | 6 | 3 | |
| BA315SET20100 | 20 ÷ 100 | 11 | 6 | |
| BA315SET50100 | 50 ÷ 100 | 5 | 3 | |

SET OF ELECTRONIC INDOOR GAUGES



| Code | Range mm | Measuring heads Pcs. | Setting rings Pcs. | Price List Page |
|---------------|----------|----------------------|--------------------|-----------------|
| BA316SET0206 | 2 ÷ 6 | 5 | 3 | |
| BA316SET0610 | 6 ÷ 10 | 2 | 1 | |
| BA316SET0620 | 6 ÷ 20 | 6 | 3 | |
| BA316SET1020 | 10 ÷ 20 | 4 | 2 | |
| BA316SET2050 | 20 ÷ 50 | 6 | 3 | |
| BA316SET20100 | 20 ÷ 100 | 11 | 6 | |
| BA316SET50100 | 50 ÷ 100 | 5 | 3 | |



FEATURES

High-precision electronic meter set.
Supplied with certified stop rings.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

COMPLETE SET FOR INTERNAL AND EXTERNAL MEASUREMENTS



| Code | Description | Price List Page |
|-----------|-----------------------------|-----------------|
| BA4000SET | Universal meter (large set) | |



FEATURES

Large set for internal and external measurements.
Range 0-3000 mm with extensions.
Constant contact force.
Digital or analogue readout.
Large variety of accessories for standard measurements of threads, grooves, recesses, diameters, lengths, diameters with smallest końcówka, etc..
Special anvils available on request.

Supplied with calibration certificate.

SET FOR INTERNAL AND EXTERNAL MEASUREMENTS



| Code | Description | Price List Page |
|------------|-----------------------------|-----------------|
| BA41002SET | Universal meter (small set) | |

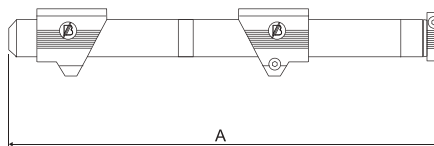


FEATURES

Small set for internal and external measurements.
Optionally available with Bluetooth indicator.

Supplied with calibration certificate.

STANDARD INSTRUMENT



| Code | Measuring range internal mm | Measuring range external mm | A mm | Price List Page |
|----------|-----------------------------|-----------------------------|------|-----------------|
| BA412250 | 30 ÷ 255 | 0 ÷ 220 | 250 | |



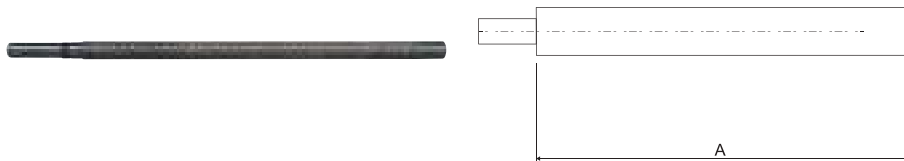
FEATURES

Universal meter available in single rod solution only, to which the different contacts and accessories can be added, to be ordered separately.

EXTENSION FOR UNIVERSAL GAUGES

FEATURES

Carbon extensions (BA424150C steel) to be attached to the universal gauge to increase its measuring range.

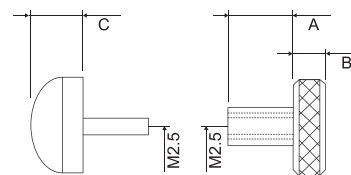


| Code | A mm | Internal range mm | External range mm | Price List Page |
|------------|------|-------------------|-------------------|-----------------|
| BA424150C | 150 | 30 ÷ 405 | 0 ÷ 370 | |
| BA424500C | 500 | 30 ÷ 755 | 0 ÷ 720 | |
| BA4241000C | 1000 | 30 ÷ 1255 | 0 ÷ 1220 | |

PROBE CLAMPING INSERT

FEATURES

Replacement insert to be used to clamp the different probe solutions available for the universal gauge range.



BA414CON

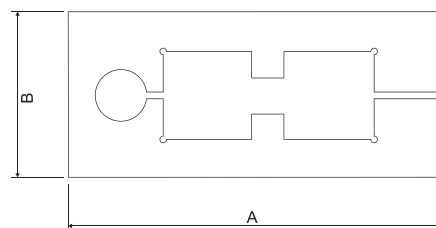
BA414INS

| Code | A mm | B mm | C mm | Price List Page |
|----------|------|------|------|-----------------|
| BA414CON | - | - | 5 | |
| BA414INS | 4,75 | 3 | - | |

DEPTH STOPS

FEATURES

Pair of depth stops for greater measurement stability.

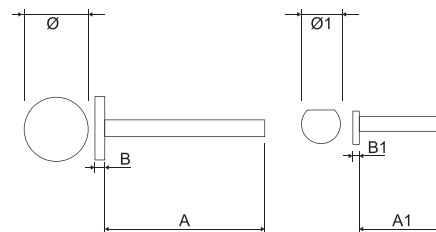


| Code | Dimensions mm | Price List Page |
|---------|---------------|-----------------|
| BA416ST | 42 x 20 x 10 | |

DISC CONTACTS

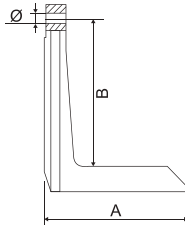
FEATURES

Pair of interchangeable disc contacts for measuring groove diameters.



| Code | A mm | A1 mm | B mm | B1 mm | Ø mm | Ø1 mm | Price List Page |
|--------|------|-------|------|-------|------|-------|-----------------|
| BA417D | - | 25 | - | 2 | - | 12 | |
| BA417S | 50 | - | 2,5 | - | 20 | - | |

MEASURING ARMS (REVERSIBLE FOR INDOOR/OUTDOOR)



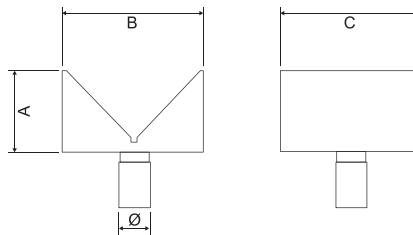
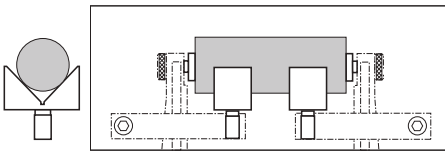
| Code | A mm | B mm | Ø mm | Price List Page |
|----------|------|------|------|-----------------|
| BA426100 | 48 | 100 | 3,5 | |
| BA42650 | 48 | 50 | 3,5 | |
| BA42675 | 48 | 75 | 3,5 | |



FEATURES

Pair of reversible arms for indoor and outdoor measurement.

V-SHAPED SUPPORTS FOR CYLINDERS



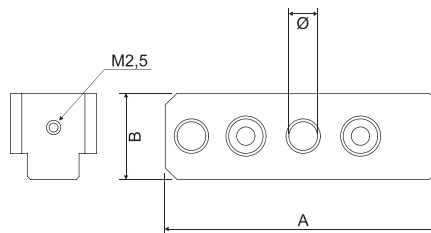
| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|------|------|------|------|-----------------|
| BA428V | 10 | 15 | 15 | 5 | |



FEATURES

Pair of 'V' supports to allow measurement of cylindrical parts and shafts.

HOLDERS FOR CONTACTS



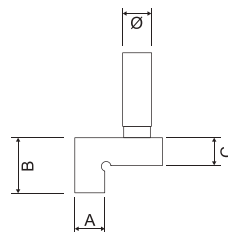
| Code | A mm | B mm | Ø mm | Price List Page |
|---------|------|------|------|-----------------|
| BA429MA | 48 | 15 | 5 | |



FEATURES

Support pair required in order to be able to use contacts with a diameter of Ø 5 mm to be mounted on the universal gauge.

L-SHAPED FLAT CONTACTS FOR OUTDOOR USE



| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|---------|------|------|------|------|-----------------|
| BA432LE | 5 | 10 | 5 | 5 | |



FEATURES

Pair of external 'L' contacts for easy gripping on angled parts.

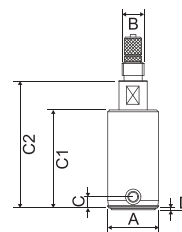
STANDARD SMART PLUG

FEATURES

An ingenious mechanical/electronic system makes 'smart plug' the easiest and most accurate Bowers system for measuring bores.

They can be equipped with electronic readout units, traditional analogue dial gauges or probes connected to digital readout units.

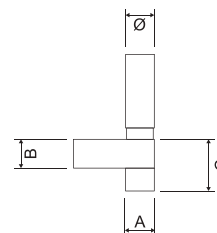
Supplied with calibration certificate.



| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | D mm | Price List Page |
|----------|----------|------------------------|-----------|------|----------|-------|------|-----------------|
| BB35020 | 0,15 | > 6 ÷ 20 | M6 x 0.75 | 3 | 27 | 35 | 0,5 | |
| BB35025 | 0,20 | > 15 ÷ 25 | M10 x 1 | 3,5 | 28 | 43,5 | 1 | |
| BB35035 | 0,20 | > 25 ÷ 35 | M10 x 1 | 3,5 | 28 | 43,5 | 1 | |
| BB35045 | 0,20 | > 35 ÷ 45 | M10 x 1 | 3,5 | 28 | 43,5 | 1 | |
| BB35060 | 0,20 | > 45 ÷ 60 | M10 x 1 | 4 | 28 | 44 | 1,5 | |
| BB35080 | 0,20 | > 60 ÷ 70 > 70 ÷ 80 | M10 x 1 | 4 | 28 35 | 44 | 1,5 | |
| BB350100 | 0,20 | > 80 ÷ 100 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350125 | 0,20 | > 100 ÷ 125 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350150 | 0,20 | > 125 ÷ 150 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350175 | 0,20 | > 150 ÷ 175 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350200 | 0,20 | > 175 ÷ 200 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350225 | 0,20 | > 200 ÷ 225 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350250 | 0,20 | > 225 ÷ 250 | M10 x 1 | 4 | 35 | 44 | 1,5 | |
| BB350280 | 0,20 | > 250 ÷ 280 | M10 x 1 | 4 | 35 | 44 | 1,5 | |

FEATURES

Pair of 'L' contacts for internal diameter measurement.

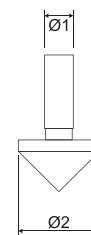
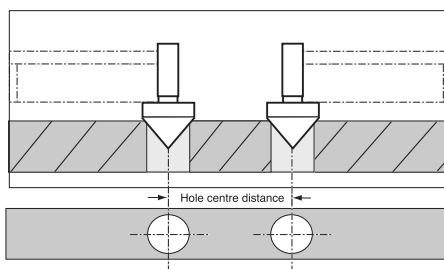


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|---------|------|------|------|------|-----------------|
| BA434LI | 5 | 5 | 10 | 5 | |

FEATURES

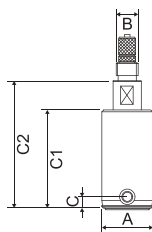
Pair of conical contacts for measuring distances between circles in the same plane.

Available in different sizes to optimise measurements.



| Code | Ø1 mm | Ø2 mm | Price List Page |
|---------|-------|-------|-----------------|
| BA43613 | 5 | 13 | |
| BA43625 | 5 | 25 | |
| BA43650 | 5 | 50 | |

SMART PLUG FOR BLIND BORES



| Code | Range mm | A mm | B mm | C mm | C1 mm | C2 mm | Price List Page |
|----------|----------|------------------------|-----------|------|----------------|----------------|-----------------|
| BB35520 | 0,15 | > 6 ÷ 10 > 10 ÷ 20 | M6 x 0.75 | 1,5 | 25,50 25,75 | 33,50 33,75 | |
| BB35525 | 0,20 | > 15 ÷ 25 | M10 x 1 | 2,5 | 27 | 42,5 | |
| BB35535 | 0,20 | > 25 ÷ 35 | M10 x 1 | 2,5 | 27 | 42,5 | |
| BB35545 | 0,20 | > 35 ÷ 45 | M10 x 1 | 2,5 | 27 | 42,5 | |
| BB35560 | 0,20 | > 45 ÷ 60 | M10 x 1 | 2,5 | 27 | 42,5 | |
| BB35580 | 0,20 | > 60 ÷ 70 > 70 ÷ 80 | M10 x 1 | 2,5 | 26,50 33,50 | 42,5 | |
| BB355100 | 0,20 | > 80 ÷ 100 | M10 x 1 | 2,5 | 33,50 | 42,5 | |
| BB355125 | 0,20 | > 100 ÷ 125 | M10 x 1 | 2,5 | 33,50 | 42,5 | |

ACCESSORIES FOR SMART PLUG M6



| Code | Description | Price List Page |
|------------|--|-----------------|
| BB356ADAPT | M6 - M10 adapter (for using M10 holders with M6 plug gauges) | |
| BB356100 | 100 mm M6 extension | |
| BB3568A | 8 mm M6 probe handle | |
| BB3568C | Short 8 mm M6 handle | |
| BB3568L | 8 mm M6 long handle | |

ACCESSORIES FOR SMART PLUG M10



BB3578A

BB3578C

BB357100

BB3578L

| Code | Description | Price List Page |
|----------|---------------------------|-----------------|
| BB357100 | 100 mm M10 extension | |
| BB3578A | Handle for 8 mm M10 probe | |
| BB3578C | Short 8 mm M10 handle | |
| BB3578L | 8 mm M10 long handle | |



FEATURES

An ingenious mechanical/electronic system makes 'smart plug' the easiest and most accurate Bowers system for measuring blind holes. They can be equipped with electronic readout units, traditional analogue dial gauges or probes connected to digital readout units.

Supplied with calibration certificate.



FEATURES

Range of accessories for Smart Plug. Available with M6 thread for the smaller model (BB35020).



FEATURES

Range of accessories for Smart Plug. Available with M10 thread on all range starting with BB35025.

FEATURES

Smart plug depth stops that allow them to be used without any possible external influence at the time of measurement.



| Code | Range Ø mm | Price List Page |
|-----------|---------------|--------------------|
| BC09006 | < 6 | |
| BC09008,5 | 6 ÷ 8,5 | |
| BC09013 | 8,5 ÷ 13 | |
| BC09017,5 | 13 ÷ 17,5 | |
| BC09025 | 17,5 ÷ 25 | |
| BC09032,5 | 25 ÷ 32,5 | |
| BC09040 | 32,5 ÷ 40 | |
| BC09047,5 | 40 ÷ 47,5 | |

| Code | Range Ø mm | Price List Page |
|-----------|---------------|--------------------|
| BC09055 | 47,5 ÷ 55 | |
| BC09062,5 | 55 ÷ 62,5 | |
| BC09070 | 62,5 ÷ 70 | |
| BC09077,5 | 70 ÷ 77,5 | |
| BC09085 | 77 ÷ 85 | |
| BC09092,5 | 85 ÷ 92,5 | |
| BC090100 | 92,5 ÷ 100 | |

SMART PLUG INDICATORS

FEATURES

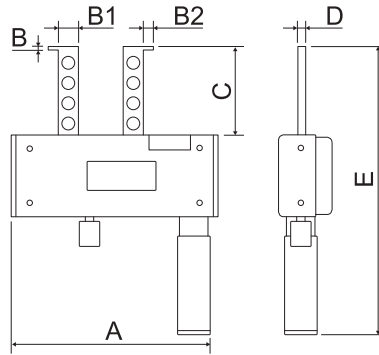
Analogue, digital and probe indicators for the Smart Plug range.

Supplied with calibration certificate.



| Code | Description | Price List Page |
|---------|----------------------------------|--------------------|
| BB358D2 | Digital indicator res. 0.001 | |
| BB358M | Mechanical indicator scale 0.001 | |

DIGITAL CENTESIMAL INSTRUMENT FOR MEASURING INTERNAL GROOVES IP67



| Code | Range mm | Accuracy mm | Max. depth mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|-------------|----------|-------------|---------------|------|------|-------|-------|------|------|------|-----------------|
| BA35010080 | 26 ÷ 100 | ± 0,01 | 80 | 103 | 4,7 | 10 | 5-30 | 80 | 4,5 | 180 | |
| BA350100120 | 26 ÷ 100 | ± 0,01 | 120 | 103 | 4,7 | 10 | 5-30 | 120 | 4,5 | 220 | |
| BA350150120 | 75 ÷ 150 | ± 0,01 | 120 | 103 | 4,7 | 10 | 5-30 | 120 | 4,5 | 220 | |
| BA350150160 | 75 ÷ 150 | ± 0,01 | 160 | 103 | 4,7 | 10 | 5-30 | 160 | 4,5 | 260 | |

FEATURES

Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Data output.

FUNCTIONS

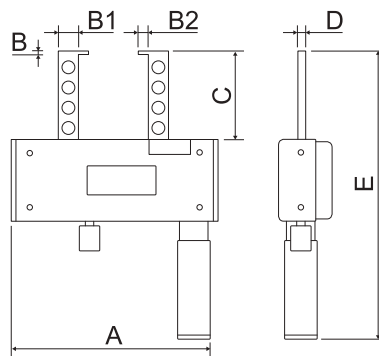
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-----------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01002 |
| OPTO-USB connection cable |
| ACC01003 |
| OPTO-RS232 connection cable |

DIGITAL CENTESIMAL INSTRUMENT FOR EXTERNAL GROOVE MEASUREMENTS IP67



| Code | Range mm | Accuracy mm | Max. depth mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|-------------|----------|-------------|---------------|------|------|-------|-------|------|------|------|-----------------|
| BA360075080 | 0-75 | ± 0,01 | 80 | 103 | 4,7 | 10 | 5-30 | 80 | 4,5 | 220 | |
| BA360075120 | 0-75 | ± 0,01 | 120 | 103 | 4,7 | 10 | 5-30 | 120 | 4,5 | 180 | |
| BA360150120 | 75-150 | ± 0,01 | 120 | 103 | 4,7 | 10 | 5-30 | 120 | 4,5 | 220 | |
| BA360150160 | 75-150 | ± 0,01 | 160 | 103 | 4,7 | 10 | 5-30 | 160 | 4,5 | 260 | |

FEATURES

Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Data output.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-----------------------------|
| ACC02001 |
| 3V CR2032 battery |
| ACC01002 |
| OPTO-USB connection cable |
| ACC01003 |
| OPTO-RS232 connection cable |

DIGITAL CENTESIMAL INSTRUMENT FOR EXTERNAL MEASUREMENTS IP67

FEATURES

Resolution 0.01 mm.

Protection IP67.

Swiss electronics protected against dust and brief immersion in water.

Data output.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001

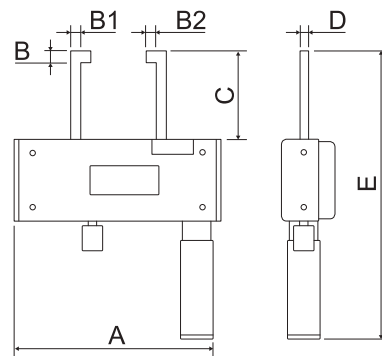
3V CR2032 battery

ACC01002

OPTO-USB connection cable

ACC01003

OPTO-RS232 connection cable



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|-----------|----------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BA3805024 | 0 ÷ 22 | ± 0,01 | 103 | 4,7 | 4,5 | 3,5 | 50 | 3,5 | 150 | |
| BA3805041 | 19 ÷ 44 | ± 0,01 | 103 | 4,7 | 4,5 | 3,5 | 50 | 3,5 | 150 | |

DIGITAL CENTESIMAL INSTRUMENT FOR INTERNAL MEASUREMENTS OF BORES AND WALLS IP67

FEATURES

Resolution 0.01 mm.

Protection IP67.

Swiss electronics protected against dust and brief immersion in water.

Data output.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

ACC02001

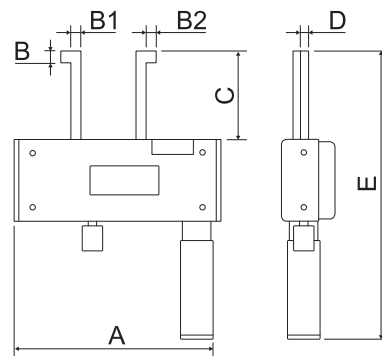
3V CR2032 battery

ACC01002

OPTO-USB connection cable

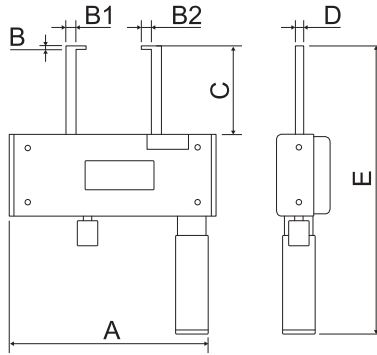
ACC01003

OPTO-RS232 connection cable



| Code | Range mm | Accuracy mm | Max Run mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|---------|----------|-------------|------------|------|------|-------|-------|------|------|------|-----------------|
| BA39050 | 22 ÷ 114 | ± 0,01 | 25 | 103 | 4,7 | 4,5 | 6 | 50 | 3,5 | 150 | |

DIGITAL CENTESIMAL INSTRUMENT FOR EXTERNAL SEEGER MEASUREMENTS WITH IP67 AXIS BEAKS



| Code | Range mm | Accuracy mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|---------|----------|-------------|------|------|-------|-------|------|------|------|-----------------|
| BA39524 | 0 ÷ 24 | ± 0,01 | 103 | 0,9 | 4,5 | 5,5 | 50 | 3,5 | 150 | |
| BA39544 | 20 ÷ 44 | ± 0,01 | 103 | 0,9 | 4,5 | 5,5 | 50 | 3,5 | 150 | |

FEATURES

Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Data output.

FUNCTIONS

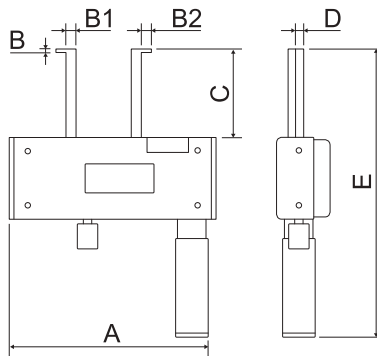
- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|----------|-----------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01002 | OPTO-USB connection cable |
| ACC01003 | OPTO-RS232 connection cable |

DIGITAL CENTESIMAL INSTRUMENT FOR INTERNAL SEEGER MEASUREMENTS WITH IP67 OFFSET BEAKS



| Code | Range mm | Accuracy mm | Ø Bore Min mm | A mm | B mm | B1 mm | B2 mm | C mm | D mm | E mm | Price List Page |
|---------|----------|-------------|---------------|------|------|-------|-------|------|------|------|-----------------|
| BA37030 | 6 ÷ 29 | ± 0,01 | 8 | 103 | 0,9 | 4 | 2 | 50 | 3 | 150 | |
| BA37032 | 8 ÷ 32 | ± 0,01 | 10 | 103 | 0,9 | 4,5 | 3,5 | 50 | 3 | 150 | |
| BA37036 | 12 ÷ 36 | ± 0,01 | 12 | 103 | 0,9 | 4,5 | 5,5 | 50 | 3,5 | 150 | |
| BA37056 | 32 ÷ 56 | ± 0,01 | 32 | 103 | 0,9 | 4,5 | 5,5 | 50 | 3,5 | 150 | |
| BA37066 | 42 ÷ 66 | ± 0,01 | 42 | 103 | 0,9 | 4,5 | 5,5 | 50 | 3,5 | 150 | |

FEATURES

Resolution 0.01 mm.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Data output.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| | |
|----------|-----------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01002 | OPTO-USB connection cable |
| ACC01003 | OPTO-RS232 connection cable |

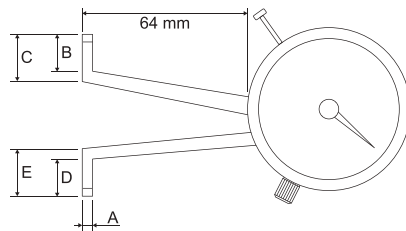
FEATURES

Resolution 0.01 mm.
Light alloy instrument body and arms.
Rotating dial, carbide spherical contacts.

Supplied with calibration certificate.



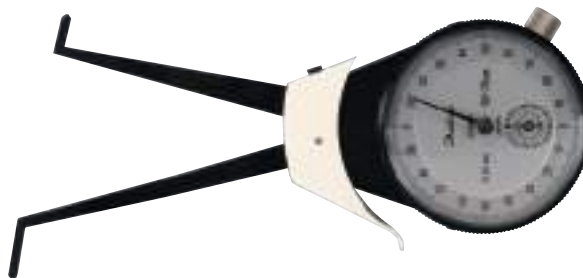
| Code | Range mm | Accuracy mm | Spare contact points | A mm | B mm | C mm | D mm | E mm | Price List Page |
|------------------|----------|-------------|----------------------|------|------|------|------|------|-----------------|
| BB360409 | 3 ÷ 9 | ± 0,04 | 7 Sätze M2,5 | 2,3 | 1,1 | 2,8 | 1,1 | 2,8 | |
| BB3604018 | 6 ÷ 18 | ± 0,04 | 5 Sätze M3.5 | 2,3 | 1,1 | 2,8 | 1,1 | 2,8 | |



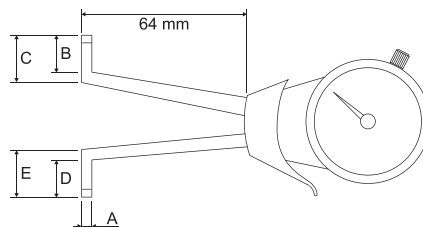
FEATURES

Resolution 0.01 mm.
Light alloy instrument body and arms.
Rotating dial, carbide spherical contacts.

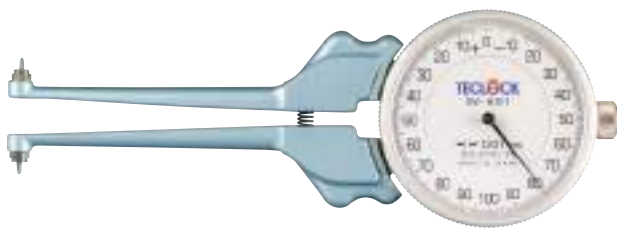
Supplied with calibration certificate.



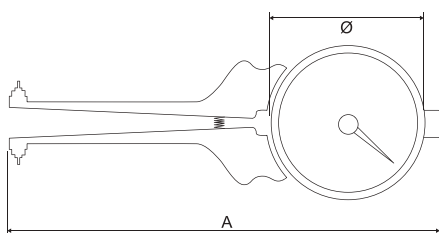
| Code | Range mm | Accuracy mm | A mm | B mm | C mm | D mm | E mm | L mm | Price List Page |
|------------------|----------|-------------|------|------|------|------|------|------|-----------------|
| BB3626430 | 10 ÷ 30 | ± 0,04 | 2,3 | 2,2 | 4,5 | 2,2 | 4,5 | 64 | |
| BB3626450 | 30 ÷ 50 | ± 0,04 | 2,3 | 14,5 | 17 | 8 | 10,5 | 64 | |
| BB3626470 | 50 ÷ 70 | ± 0,04 | 2,3 | 11,5 | 14 | 8 | 10,5 | 64 | |



HIGH-PRECISION, INDOOR QUICK GAUGES



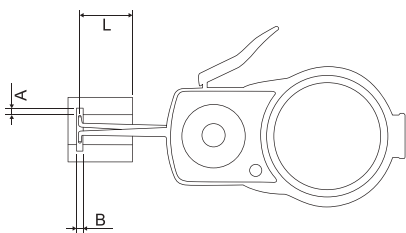
| Code | Range mm | Accuracy mm | Spare contact points | A mm | Ø mm | Price List Page |
|----------|----------|-------------|----------------------|------|------|-----------------|
| BB36534 | 20 ÷ 35 | ± 0,01 | 7 Sätze M2,5 | 165 | 62 | |
| BB36560 | 30 ÷ 62 | ± 0,01 | 5 Sätze M3,5 | 170 | 62 | |
| BB365150 | 55 ÷ 153 | ± 0,01 | 6 Sätze M3,5 | 183 | 62 | |



IP67 DIGITAL QUICK DIGITAL DIAL GAUGE FOR INDOOR USE WITH PRESET



| Code | Range mm | Accuracy mm | Resolution mm | A mm | B mm | L mm | Price List Page |
|----------|------------|-------------|---------------|------|------|------|-----------------|
| BA430125 | 2,5 ÷ 12,5 | ± 0,015 | 0,005 | 0,7 | 0,5 | 12 | |
| BA430300 | 10 ÷ 30 | ± 0,03 | 0,01 | 5,2 | 1,2 | 85 | |
| BA430400 | 20 ÷ 40 | ± 0,03 | 0,01 | 7 | 1,2 | 85 | |
| BA430500 | 30 ÷ 50 | ± 0,03 | 0,01 | 7 | 1,2 | 85 | |
| BA430600 | 40 ÷ 60 | ± 0,03 | 0,01 | 8,3 | 1,2 | 85 | |



TECLOCK®

FEATURES

Resolution 0.01 mm.
Patented shock-absorbing movement with only 2 mm travel for high-precision measurements.
Cast iron instrument body and arms.
Maximum thermal stability and repeatability.
Interchangeable conical-profile probes for entry into deep and narrow grooves.

Supplied with calibration certificate.

Kroeplin
Längenmeßtechnik

FEATURES

Resolution 0.001 mm.
IP67 protection.
Electronics protected against dust and brief immersion in water.
USB interface.

FUNCTIONS

- Zero
- Preset
- ABS
- Sleep
- Hold
- mm/inch
- min/max
- Tolerances

Supplied with calibration certificate.

IP65 INDOOR QUICK GAUGE

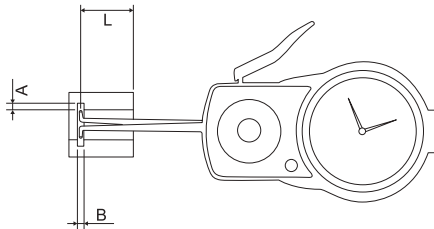
FEATURES

IP65 protection.
Electronics protected against dust and water jets.
Specially designed arms for difficult-to-access measurements.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | A mm | B mm | L mm | Price List Page |
|----------|------------|---------------|------|------|------|-----------------|
| BB435125 | 2,5 ÷ 12,5 | 0,005 | 0,7 | 0,5 | 12 | |
| BB435300 | 10 ÷ 30 | 0,01 | 5,2 | 1,2 | 85 | |
| BB435400 | 20 ÷ 40 | 0,01 | 7 | 1,2 | 85 | |
| BB435500 | 30 ÷ 50 | 0,01 | 7 | 1,2 | 85 | |
| BB435600 | 40 ÷ 60 | 0,01 | 8,3 | 1,2 | 85 | |



QUICK GAUGE FOR INDOOR USE

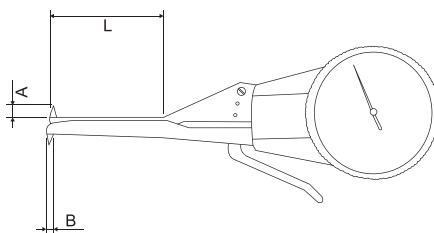
FEATURES

Resolution 0.01 mm.
Specially designed arms for difficult-to-access measurements.

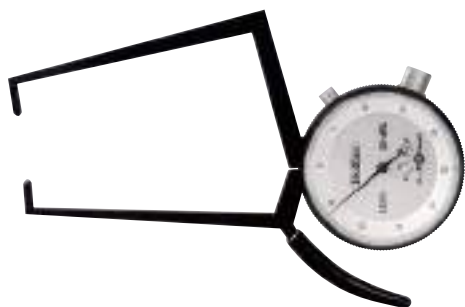
Supplied with calibration certificate.



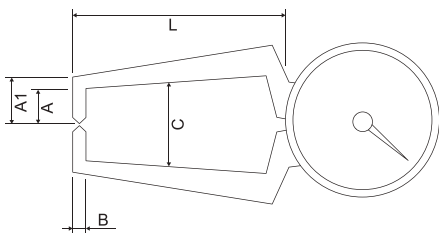
| Code | Range mm | Accuracy mm | A mm | B mm | L mm | Price List Page |
|----------|----------|-------------|------|------|------|-----------------|
| BB36715 | 5 ÷ 15 | ± 0,02 | 1 | 1,5 | 20 | |
| BB36720 | 10 ÷ 20 | ± 0,02 | 1,5 | 3 | 25 | |
| BB36730A | 10 ÷ 30 | ± 0,03 | 2 | 3,5 | 55 | |
| BB36730B | 20 ÷ 30 | ± 0,02 | 2 | 6,5 | 30 | |
| BB36740 | 30 ÷ 40 | ± 0,02 | 2,5 | 9 | 30 | |
| BB36750 | 40 ÷ 50 | ± 0,02 | 2,5 | 9 | 30 | |
| BB36760 | 40 ÷ 60 | ± 0,03 | 3 | 8,5 | 80 | |



OUTDOOR QUICK GAUGE



| Code | Range mm | Accuracy mm | A mm | A1 mm | B mm | C mm | L mm | Price List Page |
|---------|----------|-------------|------|-------|------|------|------|-----------------|
| BB37525 | 0 ÷ 25 | ± 0,06 | 8,5 | 10,5 | 2,3 | 27,5 | 80 | |
| BB37545 | 20 ÷ 45 | ± 0,06 | 8,5 | 10,5 | 2,3 | 55,5 | 80 | |



Delta

FEATURES

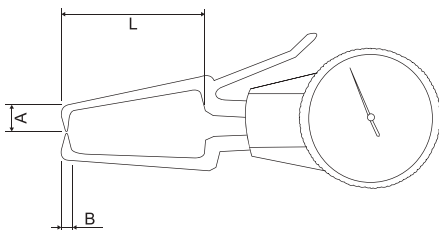
Resolution 0.025 mm.
carbide spherical contacts.
rotating dial.

Supplied with calibration certificate.

OUTDOOR QUICK GAUGE



| Code | Range mm | Accuracy mm | A mm | B mm | L mm | Price List Page |
|---------|----------|-------------|------|------|------|-----------------|
| BB37720 | 0 ÷ 20 | ± 0,03 | 25 | 6,5 | 80 | |
| BB37740 | 20 ÷ 40 | ± 0,03 | 25 | 6,5 | 80 | |
| BB37760 | 40 ÷ 60 | ± 0,03 | 25 | 6,5 | 80 | |



FEATURES

Resolution 0.01 mm.
Guaranteed measuring pressure over the entire stroke.

Supplied with calibration certificate.

OUTDOOR QUICK GAUGE

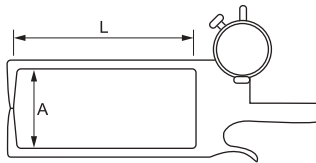
FEATURES

Tungsten carbide contacts.
Supplied with two pairs of contacts for flat, concave and convex surfaces.
Indoor item measuring range 22-72 mm, other items measuring range 0-50 mm.

Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | Resolution mm | A mm | L mm | Price List Page |
|------------|----------|-------------|---------------|------|------|-----------------|
| BB39602150 | 0 ÷ 50 | ± 0,06 | 0,02 | 55 | 150 | |
| BB39602250 | 0 ÷ 50 | ± 0,10 | 0,02 | 55 | 250 | |
| BB39610150 | 0 ÷ 50 | ± 0,20 | 0,10 | 55 | 150 | |
| BB39610250 | 0 ÷ 50 | ± 0,30 | 0,10 | 55 | 250 | |



OUTDOOR QUICK GAUGE

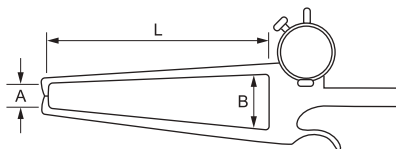
FEATURES

Tungsten carbide contacts.
Supplied with two pairs of contacts for flat, concave and convex surfaces.
Indoor item measuring range 22-72 mm, other items measuring range 0-50 mm.

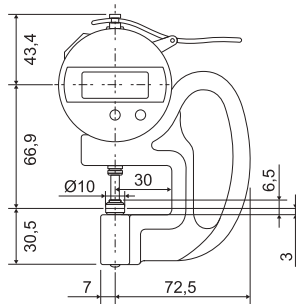
Supplied with calibration certificate.



| Code | Range mm | Accuracy mm | Resolution mm | A mm | B mm | L mm | Price List Page |
|------------|----------|-------------|---------------|------|------|------|-----------------|
| BB39902150 | 0 ÷ 50 | ± 0,06 | 0,02 | 15 | 55 | 150 | |
| BB39902250 | 0 ÷ 50 | ± 0,10 | 0,02 | 15 | 55 | 250 | |
| BB39910150 | 0 ÷ 50 | ± 0,20 | 0,10 | 15 | 55 | 150 | |
| BB39910250 | 0 ÷ 50 | ± 0,30 | 0,10 | 15 | 55 | 250 | |

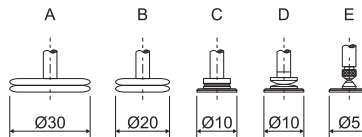


DIGITAL THICKNESS GAUGE



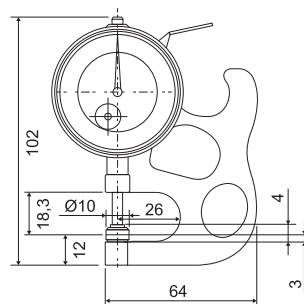
| Code | Range mm | Accuracy μm | Resolution mm | Measuring power N | Frame mm | Price List Page |
|------------|----------|------------------------|---------------|-------------------|----------|-----------------|
| BA4400150 | 0 ÷ 12 | ± 20 | 0,01 | 1,3 | 50 | |
| BA44001115 | 0 ÷ 12 | ± 20 | 0,01 | 3 | 115 | |
| BA44000150 | 0 ÷ 12 | ± 3 | 0,001 | 5 | 50 | |

SPECIAL ANALOGUE FEELER GAUGE



| Code | Range mm | Accuracy mm | Resolution mm | Arch mm | Price List Page |
|------------|----------|-------------|---------------|---------|-----------------|
| BB3800120 | 0 ÷ 10 | ±0,02 | 0,01 | 20 | |
| BB3800150 | 0 ÷ 5 | ±0,02 | 0,01 | 50 | |
| BB38001100 | 0 ÷ 10 | ±0,02 | 0,01 | 100 | |
| BB38001200 | 0 ÷ 10 | ±0,03 | 0,01 | 200 | |
| BB38010200 | 0 ÷ 30 | ±0,01 | 0,1 | 200 | |
| BB38010300 | 0 ÷ 30 | ±0,015 | 0,1 | 300 | |
| BB38010400 | 0 ÷ 30 | ±0,02 | 0,1 | 400 | |

ANALOGUE FEELER GAUGE



| Code | Range mm | Accuracy mm | Resolution mm | Measuring force N | Arch mm | Price List Page |
|------------|-------------|-------------|---------------|-------------------|---------|-----------------|
| BB3900126 | 0 ÷ 10 | ± 0,017 | 0,01 | 2,3 | 26 | |
| BB39001120 | 0 ÷ 10 | ± 0,017 | 0,01 | 2,3 | 120 | |
| BB3900130 | 0 ÷ 20 | ± 0,025 | 0,01 | 3,5 | 30 | |
| BB3900145 | 0 ÷ 50 (*1) | ± 0,030 | 0,01 | 2,3 | 45 | |
| BB39000130 | 0 ÷ 10 (*2) | ± 0,003 | 0,001 | 1,5 | 30 | |

TECLOCK®

FEATURES

One-piece light alloy construction.
Suitable for fast and accurate thickness checks of a wide variety of materials.
Electronics with Digimatic data output.
Lapped measuring surfaces.
Flat contacts \varnothing 10 mm (standard).
Special contacts and 25 mm stroke available on request.
Absolute or comparative measurements.
12 mm stroke.
Part numbers BA4400150 and BA44001115 are only available with power-on and zero functions.

Supplied with calibration certificate.

FEATURES

One-piece light alloy construction.
Dial gauge movement mounted on taps.
Supplied standard with form C probe.
Model with pair of roller contacts \varnothing 8.4 mm.
Width 8.7 mm.
Rollers mounted on precision ball bearings.
Ideal for continuous measurement.

Supplied with calibration certificate.

ACCESSORIES

| | |
|----------------|----------------------|
| BB380TA | Form A feeler gauge |
| BB380TB | Form B feeler gauge |
| BB380TC | Form C feeler gauge |
| BB380TD | D shape feeler gauge |
| BB380TE | E-shape touch probe |

TECLOCK®

FEATURES

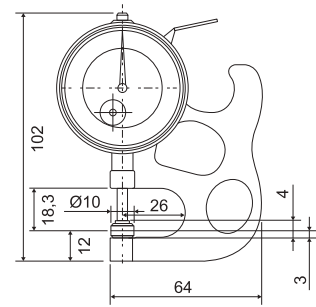
One-piece construction, high-precision shock-resistant movement.
Finely lapped ceramic contact surfaces \varnothing 10 mm on all models.
Suitable for measuring the thickness of sheet metal, paper, cardboard, rubber, leather, plastic laminates, etc..
Special contacts on request.

Supplied with calibration certificate.

ANALOGUE FEELER GAUGE

FEATURES

- Resolution 0.01 mm.
- One-piece aluminium alloy construction.
- Mechanical shock-resistant dial indicator.
- Lapped measuring surfaces with flat contacts.
- Rotating dial.
- Pocket-sized.
- Rack-and-pinion probe lifting system.



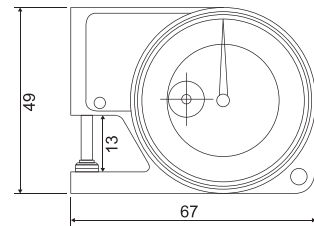
Supplied with calibration certificate.

| Code | Range mm | Accuracy mm | Measuring force N | Arch mm | Price List Page |
|-----------|----------|-------------|-------------------|---------|-----------------|
| BB39520 | 0 ÷ 10 | ± 0,020 | 1,3 | 20 | |
| BB395110A | 0 ÷ 10 | ± 0,020 | 1,3 | 110 | |
| BB395110B | 0 ÷ 20 | ± 0,030 | 1,5 | 110 | |

ANALOGUE FEELER GAUGE

FEATURES

- Resolution 0.01 mm.
- One-piece aluminium alloy construction.
- Mechanical shock-resistant dial indicator.
- Lapped measuring surfaces with flat contacts.
- Rotating dial.
- Pocket-sized.
- Rack-and-pinion probe lifting system.



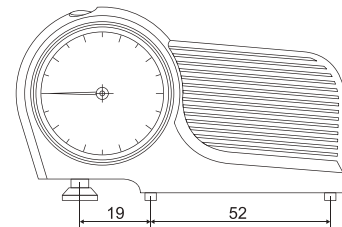
Supplied with calibration certificate.

| Code | Range mm | Accuracy mm | Measuring force N | Arch mm | Price List Page |
|---------|----------|-------------|-------------------|---------|-----------------|
| BB39715 | 0 ÷ 10 | ± 0,020 | 1,5 | 15 | |

ROAD SAWS

FEATURES

- Resolution 0.10 mm.
- Suitable for checking the teeth of circular or reciprocating saws.
- Double dials on both sides of the instrument.
- Stainless steel support feet.
- Stainless steel feelers with flat surface Ø 10 mm.



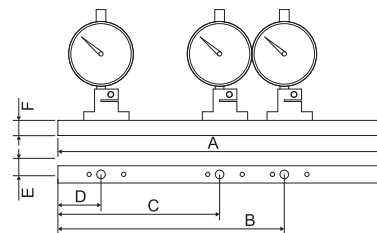
Supplied with calibration certificate.

| Code | Range mm | Accuracy mm | Price List Page |
|--------|----------|-------------|-----------------|
| BB3852 | 0 ÷ 2 | ± 0,2 | |

COMPARATOR HOLDER BASE

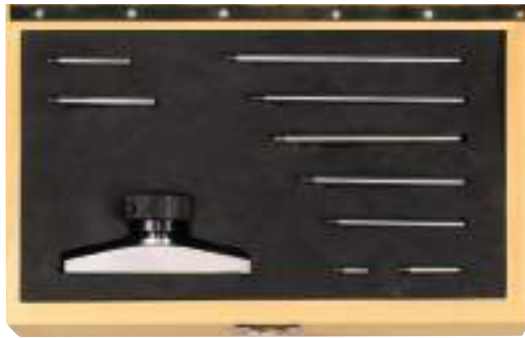
FEATURES

- Made of hardened stainless steel.
- Allows multiple measurements at the same time.



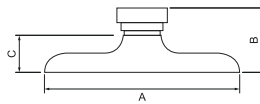
| Code | A mm | B mm | C mm | D mm | E mm | F mm | Price List Page |
|----------|------|------|------|------|------|------|-----------------|
| BC050100 | 100 | 210 | 150 | 40 | 16 | 14 | 316 |
| BC050200 | 200 | 210 | 150 | 40 | 16 | 14 | 516 |
| BC050300 | 300 | 210 | 150 | 40 | 16 | 14 | 716 |

DEPTH BASE SET FOR DIAL GAUGES



| Code | Extension mm | Base dimension mm | Price List Page |
|----------|----------------------------|-------------------|-----------------|
| BC040SET | 10/20/30/40/50/60/70/80/90 | 80 x 16 | |

DEPTH GAUGE WITH DIGITAL DIAL INDICATOR



| Code | Range mm | Accuracy mm | A mm | B mm | C mm | Price List Page |
|---------|----------|-------------|-------|------|------|-----------------|
| BA10010 | 0 ÷ 10 | ± 0,02 | 101,5 | 37 | 17 | |
| BA10025 | 0 ÷ 25 | ± 0,03 | 101,5 | 37 | 17 | |
| BA10050 | 0 ÷ 50 | ± 0,04 | 101,5 | 37 | 17 | |

FEATURES

Chrome-plated hardened steel.
Lapped measuring surface.
Complete with extensions.

FEATURES

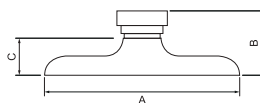
Resolution 0.01 mm.
Hardened and chrome-plated steel.
Lapped measuring surfaces.
The depth of the instruments can easily be increased by using dial gauge extensions, in which case zeroing is no longer direct on the base but takes place with stop blocks.
0.001 mm resolution on request.

Supplied with calibration certificate.

ACCESSORIES

| | |
|----------|-------------------|
| ACC02003 | 3V CR2025 battery |
| BC045B | Base only |

DEPTH GAUGE WITH ANALOGUE DIAL INDICATOR



| Code | Range mm | Resolution mm | A mm | B mm | C mm | Price List Page |
|---------|----------|---------------|-------|------|------|-----------------|
| BB23810 | 0 ÷ 10 | 0,01 | 101,5 | 37 | 17 | |
| BB23830 | 0 ÷ 30 | 0,01 | 101,5 | 37 | 17 | |

FEATURES

Hardened and chrome-plated steel.
Lapped measuring surfaces.
The depth of the instruments can be easily increased by using dial indicator extensions. In this case, zero-setting is no longer direct on the base, but takes place with reference blocks.

Supplied with calibration certificate.

ACCESSORIES

| | |
|--------|-----------|
| BC045B | Base only |
|--------|-----------|

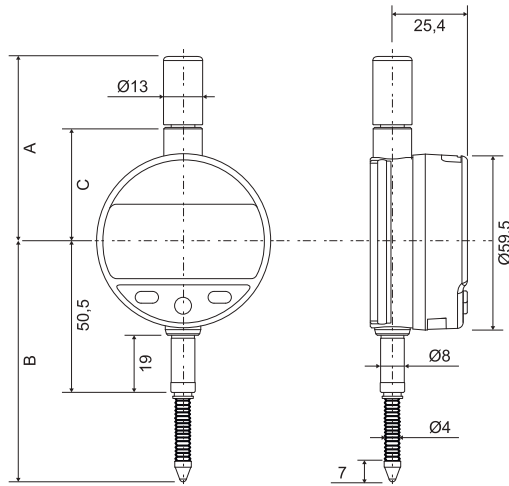
CAPITOLO C


COMPARATORS



DIGITAL DIAL INDICATOR IP67 WITH PRESET Ø 59.5

MEGARod



| Code | Range mm | Resolution mm | Accuracy µm | A mm | B mm | C mm |  | Price List Page |
|-----------|----------|---------------|-------------|-------|-------|------|---|-----------------|
| CA01012,5 | 0 ÷ 12,5 | 0,001 | ± 3 | 59,6 | 78,4 | 36,6 | 90 | |
| CA01025 | 0 ÷ 25 | 0,001 | ± 4 | 85,4 | 100,2 | 49,4 | 94 | |
| CA01050 | 0 ÷ 50 | 0,001 | ± 5 | 104,4 | 175,4 | - | 175 | |

FEATURES

Resolution 0.001.
Protection IP67.
Swiss electronics protected against dust and brief immersion in water.
Connection Ø 8 h 6 mm.
Interchangeable measuring pin M2.5 (DIN878).
Proximity data output.
USB or RS connection.

FUNCTIONS

- Preset
- Tolerances
- min/max
- Hold
- Sleep
- mm/inch

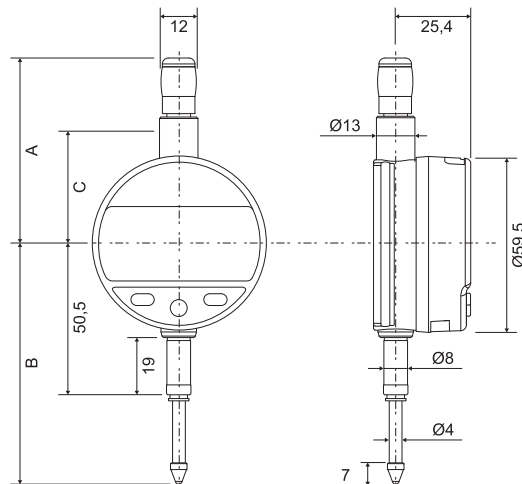
Supplied with calibration certificate.


ACCESSORIES

| |
|---------------------------|
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| ACC02001 |
| 3V CR2032 battery |

DIGITAL DIAL INDICATOR IP54 WITH PRESET Ø 59.5

MEGARod



| Code | Range mm | Resolution mm | Accuracy µm | A mm | B mm | C mm |  | Price List Page |
|------------|----------|---------------|---------------|------|------|------|---|-----------------|
| CA01512,5C | 0 ÷ 12,5 | 0,01 | 10 (± Ziffer) | 56,6 | 66,1 | 36,6 | 90 | |
| CA01512,5M | 0 ÷ 12,5 | 0,001 | 3 | 56,6 | 66,1 | 36,6 | 90 | |
| CA01525C | 0 ÷ 25 | 0,01 | 10 (± Ziffer) | 69,3 | 79 | 49,9 | 94 | |
| CA01525M | 0 ÷ 25 | 0,001 | 4 | 69,3 | 79 | 49,9 | 94 | |
| CA01550C | 0 ÷ 50 | 0,01 | 20 (± Ziffer) | 121 | 142 | 88 | 175 | |
| CA01550M | 0 ÷ 50 | 0,001 | 5 | 121 | 142 | 88 | 175 | |

FEATURES

IP54 protection.
Swiss electronics protected against dust and splash water.
Ø 8 h 6 mm connection.
Interchangeable tip M2.5 (DIN878).
Proximity data output.
USB or RS connection.

FUNCTIONS

- Preset
- Tolerances
- min/max
- Hold
- Sleep
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------|
| ACC01000 |
| Proximity RS232 connector |
| ACC01001 |
| USB Proximity Connector |
| ACC02001 |
| 3V CR2032 battery |

FEATURES

IP54 protection.
 Electronics protected against dust and splash water.
 Connection Ø 8 h 6 mm.
 Interchangeable ferrule M2.5 (DIN878).
 Proximity data output.
 USB or RS connection.

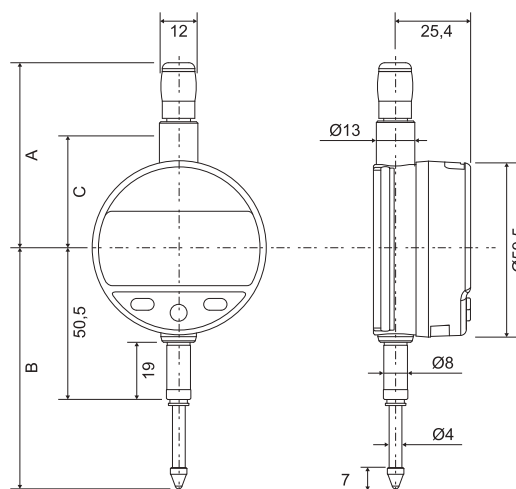
FUNCTIONS

- Bluetooth®
- Preset
- Tolerances
- min/max
- Hold
- Sleep

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|-------------------|
| ACC02001 | 3V CR2032 battery |
| BC076BLE | Bluetooth device |

S_Dial WORK Smart


| Code | Range mm | Resolution mm | A mm | B mm | C mm | D mm | Price List Page |
|-------------|----------|---------------|------|------|------|------|-----------------|
| CA01712.5BT | 0 ÷ 12,5 | 0,001 | 56,7 | 66,1 | 50,5 | - | |
| CA01725BT | 0 ÷ 25 | 0,001 | 69,4 | 78,5 | 50,5 | 36,6 | |
| CA01750BT | 0 ÷ 50 | 0,001 | 121 | 142 | 88 | 49,4 | |
| CA017100BT | 0 ÷ 100 | 0,001 | 172 | 244 | 139 | - | |

DIGITAL DIAL INDICATOR IP54 Ø 59.5
FEATURES

IP54 protection.
 Swiss electronics protected against dust and splash water.
 Ø 8 h 6 mm connection.
 Interchangeable measuring button M2.5 (DIN878).
 Proximity data output.
 USB or RS connection.

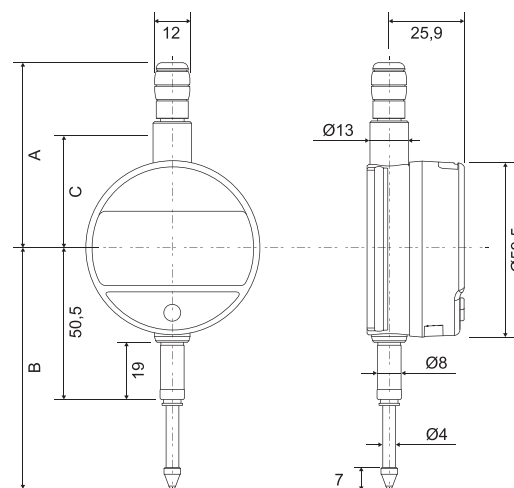
FUNCTIONS

- Zero
- mm/inch
- Sleep

Supplied with calibration certificate.

ACCESSORIES

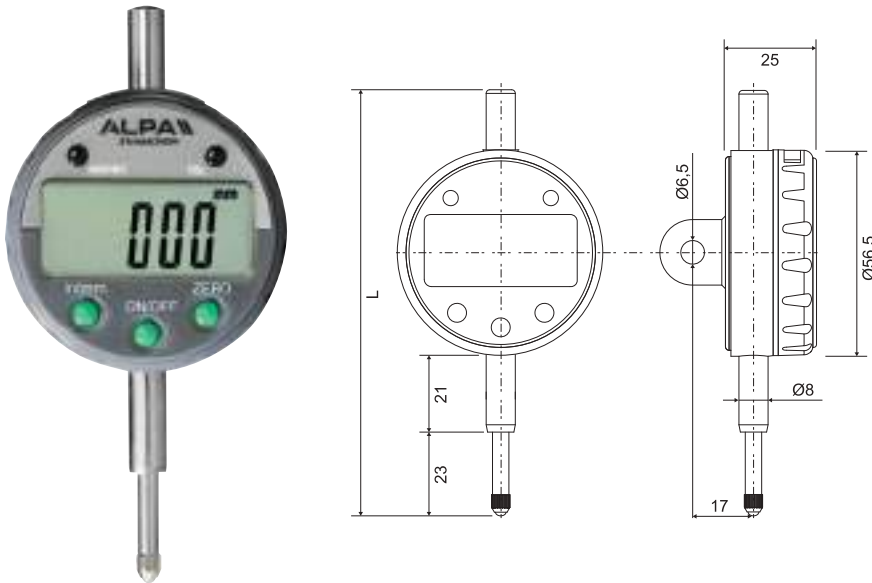
| | |
|-----------------|---------------------------|
| ACC01000 | Proximity RS232 connector |
| ACC01001 | USB Proximity Connector |
| ACC02001 | 3V CR2032 battery |

MEGARod


| Code | Range mm | Resolution mm | Accuracy µm | A mm | B mm | C mm | Price List Page |
|------------|----------|---------------|---------------|------|------|------|-----------------|
| CA01812.5C | 0 ÷ 12,5 | 0,01 | 10 (± Ziffer) | 56,7 | 66,1 | 36,6 | 107 |
| CA01812.5M | 0 ÷ 12,5 | 0,001 | 4 | 56,7 | 66,1 | 36,6 | 107 |
| CA01825C | 0 ÷ 25 | 0,01 | 10 (± Ziffer) | 69,4 | 79 | 49,4 | 111 |
| CA01825M | 0 ÷ 25 | 0,001 | 5 | 69,4 | 79 | 49,4 | 111 |
| CA01850C | 0 ÷ 50 | 0,01 | 20 (± Ziffer) | 121 | 142 | 88 | 149 |
| CA01850M | 0 ÷ 50 | 0,001 | 7 | 121 | 142 | 88 | 149 |

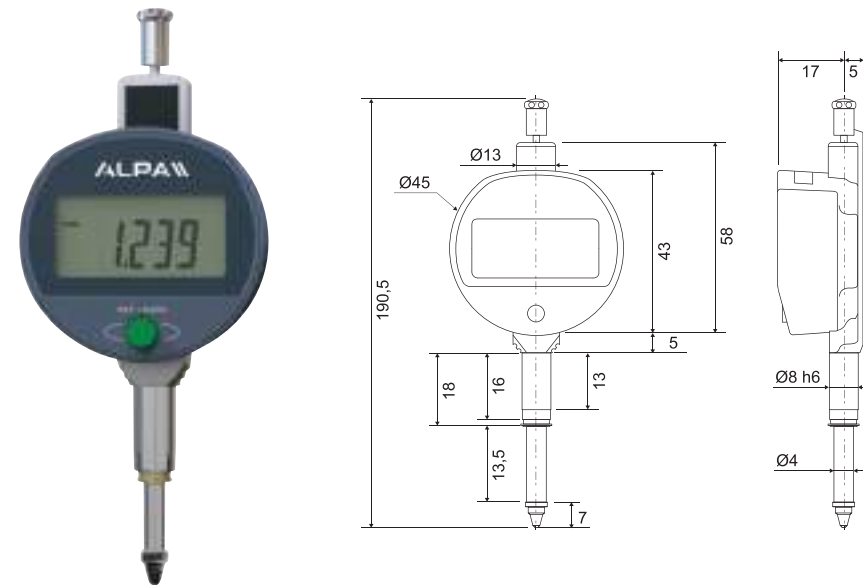
IP40 DIGITAL DIAL INDICATOR WITH LARGE DISPLAY Ø 56.5

5 Functions



| Code | Range mm | Resolution mm | L mm | Price List Page |
|------------|----------|---------------|-------|-----------------|
| CA02012,5C | 0 ÷ 12,5 | 0,01 | 123,5 | |
| CA02012,5M | 0 ÷ 12,5 | 0,001 | 123,5 | |
| CA02025C | 0 ÷ 25 | 0,01 | 151 | |
| CA02050C | 0 ÷ 50 | 0,01 | 257 | |

DIGITAL DIAL INDICATOR IP54 Ø 45



| Code | Range mm | Resolution mm | Measuring force N | Version | Price List Page |
|------------|----------|---------------|-------------------|----------|-----------------|
| CA02412,5C | 12,5 | 0,01 | 0,5 - 0,90 | Standard | |
| CA02412,5M | 12,5 | 0,001 | 0,5 - 0,90 | Standard | |

FEATURES

Protection IP40.
Cylindrical connection Ø 8 mm.

FUNCTIONS

- Tolerances

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02003 |
| 3V CR2025 battery |

FEATURES

IP54 protection.
Swiss electronics protected against dust and splash water.
Fixed dial.
Ø 8 h 6 mm connection.
Hardened stainless steel shank and stem.

FUNCTIONS

- Zero
- mm/inch
- Sleep

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

FEATURES

Resolution 0.01 mm.
 IP67 protection.
 Electronics protected against dust and brief immersion in water.
 Fixed dial.
 Analogue scale with programmable resolution.
 Compact display.
 Hardened stainless steel shank and stem.
 Tungsten carbide contacts with M2.5 thread.
 Programmable third button.
 IP67 protected version.
 IP54 standard version.

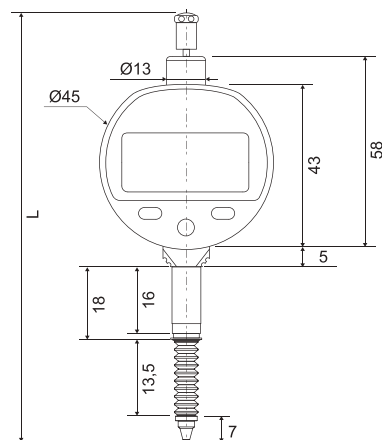
FUNCTIONS

- Bluetooth®
- mm/inch
- Preset
- min/max
- Hold
- Sleep

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| BC076BLE |
| Bluetooth device |

S_Dial Mini Smart


| Code | Range mm | Resolution mm | L mm | Lifting cap | Version | Price List Page |
|-----------|----------|---------------|-------|-------------|-----------|-----------------|
| CA022AUBT | 12,5 | 0,01 | 108,5 | - | Protected | |
| CA022STBT | 12,5 | 0,01 | 108,5 | ✓ | Standard | |
| CA022TPBT | 12,5 | 0,01 | 108,5 | - | Flat head | |

FEATURES

IP67 protection.
 Swiss electronics protected against dust and brief immersion in water.
 Fixed dial.
 8 h 6 mm dia. connection.
 Hardened stainless steel shank and stem.

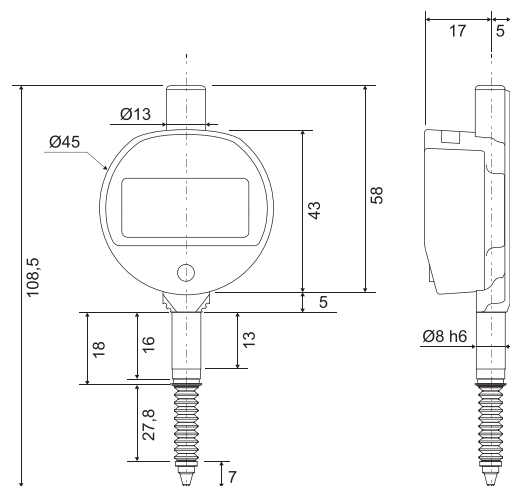
FUNCTIONS

- Zero
- mm/inch
- Sleep

Supplied with calibration certificate.

ACCESSORIES

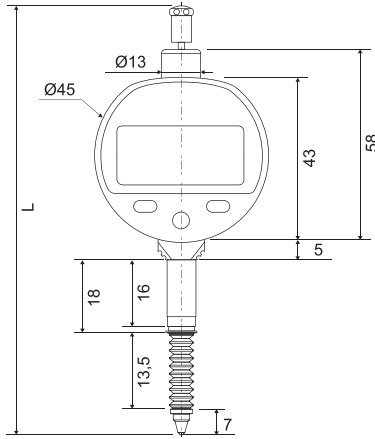
| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

DIGITAL DIAL INDICATOR IP67 Ø 45


| Code | Range mm | Resolution mm | Measuring force N | Version | Price List Page |
|------------|----------|---------------|-------------------|-----------|-----------------|
| CA02512,5C | 12,5 | 0,01 | 0,5 - 0,90 | Protected | |
| CA02512,5M | 12,5 | 0,001 | 0,5 - 0,90 | Protected | |

DIGITAL DIAL INDICATOR IP67 Ø 45 WITH BLUETOOTH® AND PRESETS

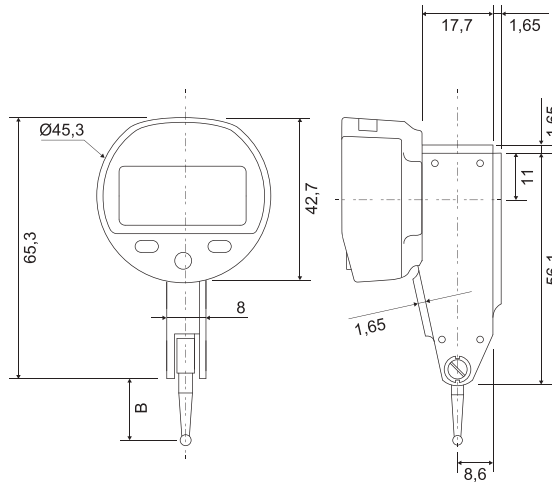
S_Dial Mini Smart



| Code | Range mm | Resolution mm | L mm | Lifting cap | Version | Price List Page |
|-----------|----------|---------------|-------|-------------|-----------|-----------------|
| CA023AUBT | 12,5 | 0,001 | 108,5 | - | Protected | |
| CA023STBT | 12,5 | 0,001 | 108,5 | ✓ | Standard | |
| CA023TPBT | 12,5 | 0,001 | 108,5 | - | Flat head | |

DIGITAL IP54 DIGITAL DIAL INDICATOR Ø 42.7 WITH BLUETOOTH® AND PRESETS

S_Dial TEST Smart



| Code | Range mm | Resolution mm | Accuracy µm | Measuring force N | B mm | Price List Page |
|--------------|-----------|---------------|-------------|-------------------|-----------|-----------------|
| CA02608125BT | 0,8 | 0,001 | 3 | 0,5 | 12,5 | 70 |
| CA026082BT | 0,8 / 2,0 | 0,001 | 3 / 8 | 0,5 / 0,06 | 12,5/36,5 | 70 |
| CA0262365BT | 2,0 | 0,001 | 8 | 0,06 | 36,5 | 70 |



FEATURES

Resolution 0.001 mm.
IP67 protection.
Electronics protected against dust and brief immersion in water.
Fixed dial.
Analogue scale with programmable resolution.
Compact display.
Hardened stainless steel shank and stem.
Tungsten carbide contacts with M2.5 thread.
Programmable third button.
IP67 protected version.
IP54 standard version.

FUNCTIONS

- Bluetooth®
- mm/inch
- Preset
- min/max
- Hold
- Sleep

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| BC076BLE |
| Bluetooth device |



FEATURES

Resolution 0.001 mm.
IP54 protection.
Electronics protected against dust and splash water.
Analogue scale with programmable resolution.
Programmable third button.
Compact display.

FUNCTIONS

- Bluetooth®
- mm/inch
- Zero
- Preset
- min/max
- Sleep

Supplied with calibration certificate.

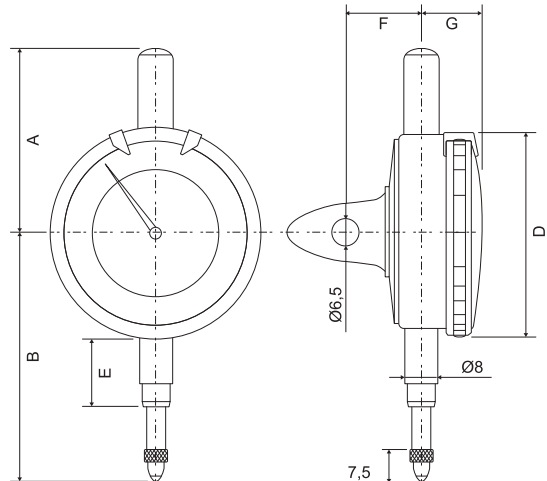
ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| BC076BLE |
| Bluetooth device |

FEATURES

Accuracy according to UNI 4180.
 Resolution 0.01.
 Cylindrical connection Ø 8 mm.
 Shockproof movement.
 ST = Standard.
 WP = Waterproof.
 STF = Flat bottom.

Supplied with calibration certificate.



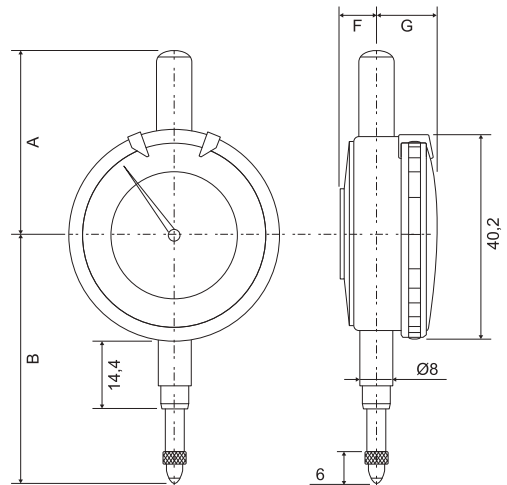
| Code | Range mm | Resolution mm | A mm | B mm | D mm | E mm | F mm | G mm | Price List Page |
|------------|----------|---------------|------|------|------|------|------|------|-----------------|
| CB01010ST | 0 ÷ 10 | 0,01 | 48 | 65 | 56 | 18 | 15,8 | 20 | |
| CB01010WP | 0 ÷ 10 | 0,01 | 43,5 | 69,5 | 58 | 16,5 | 16,5 | 20 | |
| CB01010STF | 0 ÷ 10 | 0,01 | 48 | 65 | 55 | 18 | 15,5 | 20 | |

DIAL INDICATOR Ø 40 MM

FEATURES

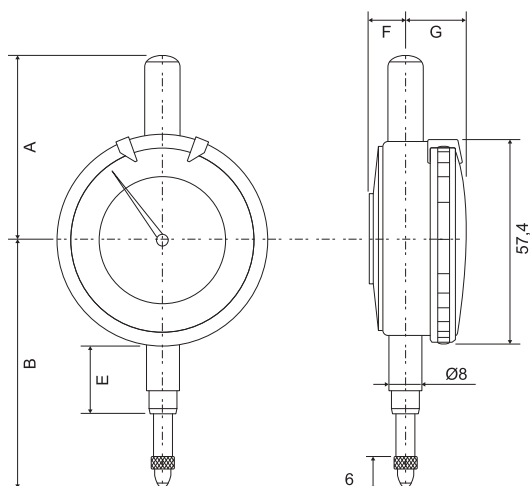
Accuracy according to UNI 4180.
 Resolution 0.01.
 Cylindrical shank Ø 8 mm.
 Stainless steel shaft and shank.

Supplied with calibration certificate.



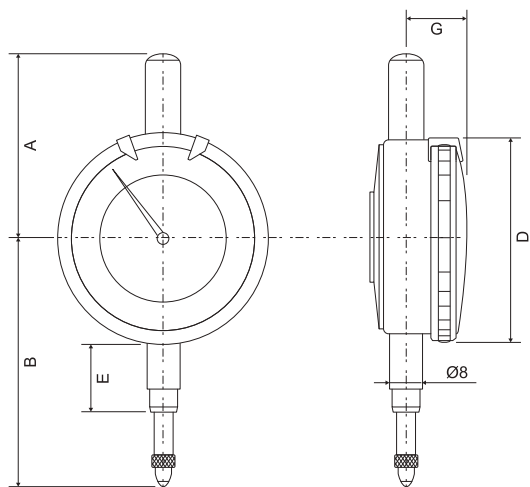
| Code | Range mm | Resolution mm | A mm | B mm | F mm | G mm | Price List Page |
|---------|----------|---------------|------|------|------|------|-----------------|
| CB00605 | 0 ÷ 5 | 0,01 | 28,6 | 48,5 | 7,1 | 14,4 | |

DIAL INDICATOR Ø 58 MM



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|---------|----------|---------------|------|------|------|------|------|-----------------|
| CB00510 | 0 ÷ 10 | 0,01 | 42,8 | 68,5 | 19,8 | 8,6 | 18,5 | |
| CB00525 | 0 ÷ 25 | 0,01 | 42,8 | 80,9 | 19,8 | 8,6 | 18,5 | |
| CB00530 | 0 ÷ 30 | 0,01 | 42,8 | 80,9 | 19,8 | 8,6 | 18,5 | |

SHOCK-PROOF CENTESIMAL DIAL INDICATOR



| Code | Range mm | Resolution mm | A mm | B mm | E mm | G mm | Price List Page |
|-----------|----------|---------------|------|------|------|------|-----------------|
| CB01210ST | 0 ÷ 10 | 0,01 | 45 | 71 | 20 | 16 | |

FEATURES

Accuracy according to UNI 4180.

Resolution 0.01.

Cylindrical shank Ø 8 mm.

Metal case and bezel.

Shock-proof movement only for CB00510.

Supplied with calibration certificate.

FEATURES

Metal case and bezel.

Tolerance indicators.

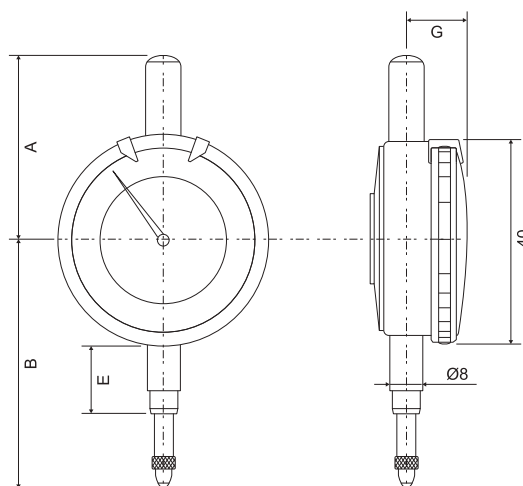
Supplied with calibration certificate.

DIAL INDICATOR Ø 40 MM

FEATURES

Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Metal case and ferrule.
Steel ferrule.

Supplied with calibration certificate.



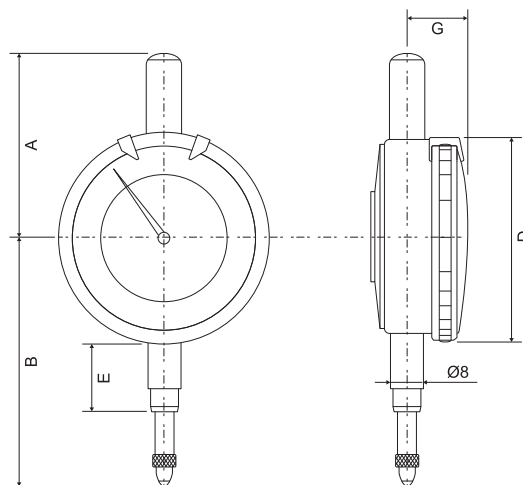
| Code | Range mm | Resolution mm | A mm | B mm | E mm | G mm | Price List Page |
|---------|----------|---------------|------|------|------|------|-----------------|
| CB01305 | 0 ÷ 5 | 0,01 | 33,8 | 49 | 13 | 13 | |

CENTESIMAL DIAL INDICATOR

FEATURES

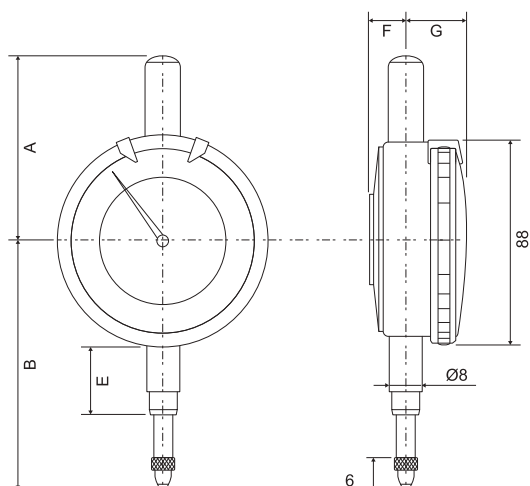
Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Metal case and ferrule.
Steel ferrule.

Supplied with calibration certificate.



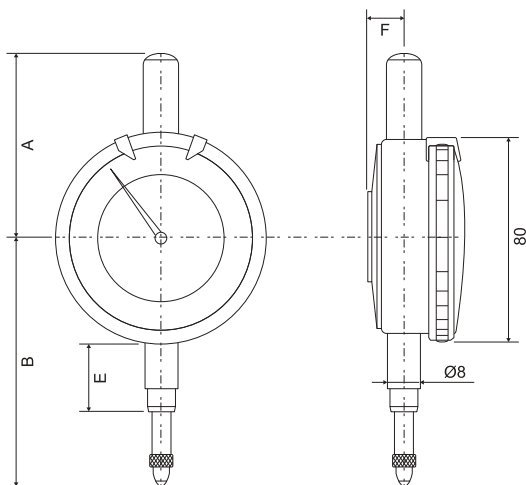
| Code | Range mm | Resolution mm | A mm | B mm | D mm | E mm | G mm | Price List Page |
|---------|----------|---------------|------|------|------|------|------|-----------------|
| CB01410 | 0 ÷ 10 | 0,01 | 45 | 71 | 57 | 20 | 16 | |
| CB01425 | 0 ÷ 25 | 0,01 | 40 | 85 | 60 | 17 | 16 | |
| CB01430 | 0 ÷ 30 | 0,01 | 44,5 | 90 | 60 | 18 | 16 | |

DIAL INDICATOR Ø 88 MM LONG-STROKE



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|---------|----------|---------------|------|-------|------|------|------|-----------------|
| CB00750 | 0 ÷ 50 | 0,01 | 61,1 | 130,7 | 29,3 | 9,8 | 17,1 | |

DIAL INDICATOR Ø 40 MM



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | Price List Page |
|---------|----------|---------------|------|-------|------|------|-----------------|
| CB02150 | 0 ÷ 50 | 0,01 | 50 | 129,5 | 30,5 | 16 | |

FEATURES

Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Stainless steel shaft and shank.
Ruby-mounted movement.
Index of millimetres concentric with that of hundredths.

Supplied with calibration certificate.

FEATURES

Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Metal case and ferrule.
Steel ferrule.

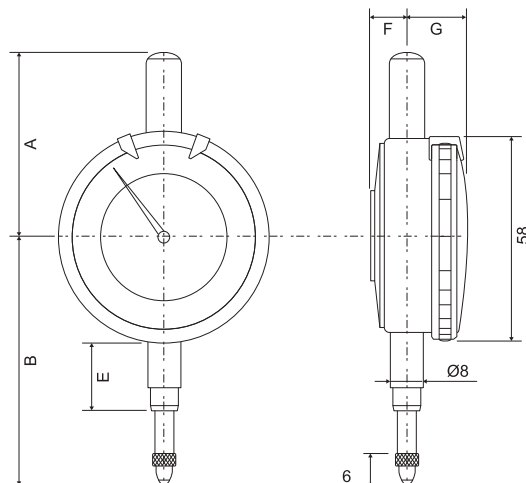
Supplied with calibration certificate.

DIAL INDICATOR Ø 58 MM

FEATURES

Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Stainless steel shaft and shank.
Ruby-mounted movement.
Index of millimetres concentric with that of hundredths.
AU = Shockproof.
ST = Standard.

Supplied with calibration certificate.



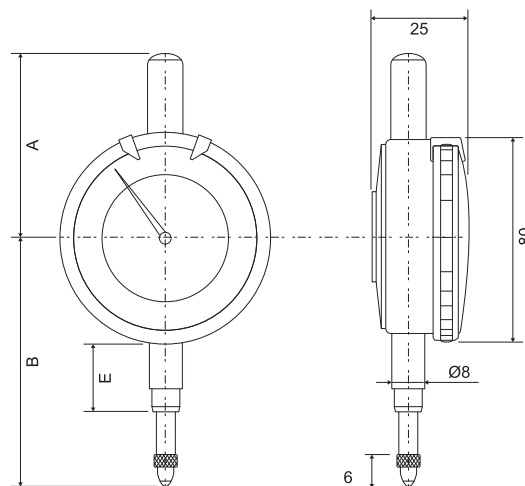
| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|-----------|----------|---------------|------|------|------|------|------|-----------------|
| CB01730AU | 0 ÷ 30 | 0,01 | 59 | 89 | 22 | 7 | 15 | |
| CB01730ST | 0 ÷ 30 | 0,01 | 59 | 89 | 22 | 7 | 15 | |
| CB01750AU | 0 ÷ 50 | 0,01 | 105 | 127 | 36 | 7 | 15 | |
| CB01750ST | 0 ÷ 50 | 0,01 | 105 | 127 | 36 | 7 | 15 | |

DIAL INDICATOR Ø 80 MM

FEATURES

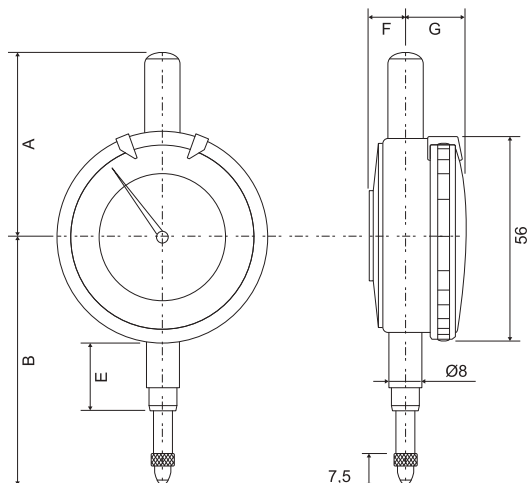
Accuracy according to UNI 4180.
Resolution 0.01.
Cylindrical shank Ø 8 mm.
Stainless steel shaft and shank.
Ruby-mounted movement.

Supplied with calibration certificate.



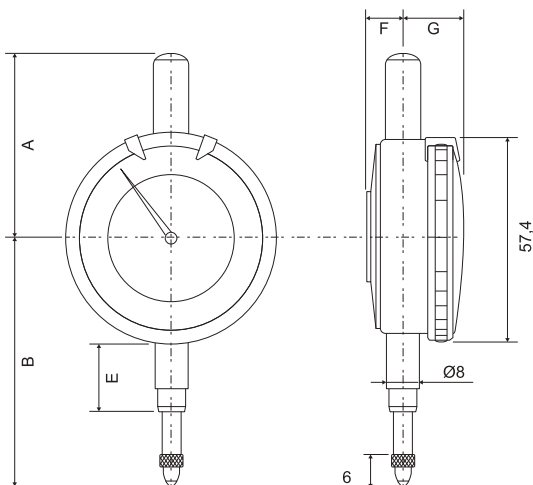
| Code | Range mm | Resolution mm | A mm | B mm | E mm | Price List Page |
|----------|----------|---------------|------|------|------|-----------------|
| CB02010 | 0 ÷ 10 | 0,01 | 41 | 85 | 31,5 | |
| CB02030 | 0 ÷ 30 | 0,01 | 60 | 110 | 31,5 | |
| CB02050 | 0 ÷ 50 | 0,01 | 105 | 127 | 24 | |
| CB020100 | 0 ÷ 100 | 0,01 | 164 | 218 | 64,5 | |

DIAL INDICATOR DIAL GAUGE Ø 56 MM



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | Price List Page |
|--------|----------|---------------|------|------|------|------|-----------------|
| CB0221 | 0 ÷ 1 | 0,001 | 40 | 62 | 15,5 | 20 | |

DIAL INDICATOR DIAL GAUGE Ø 58 MM



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|--------|----------|---------------|------|------|------|------|------|-----------------|
| CB0261 | 0 ÷ 1 | 0,001 | 42,8 | 60,7 | 19,8 | 0,4 | 18,5 | |

TECLOCK®
FEATURES

Accuracy according to UNI 4180.
Resolution 0.001.
Cylindrical shank Ø 8 mm.
Stainless steel stem and shank.
Satin-finished aluminium body.
Movement mounted on rubies.

Supplied with calibration certificate.

FEATURES

Accuracy according to UNI 4180.
Resolution 0.001.
Cylindrical shank Ø 8 mm.
Stainless steel shank.
Tungsten carbide tip.

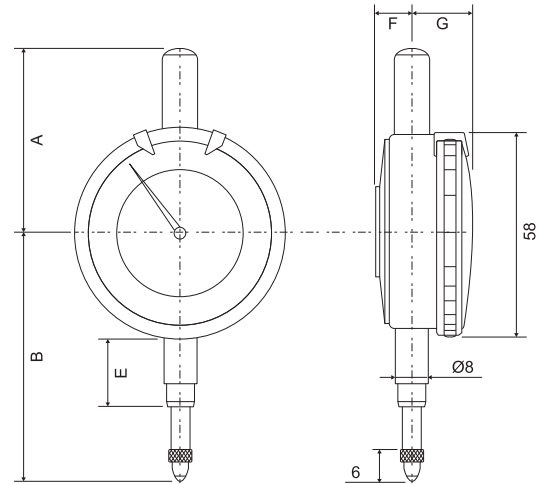
Supplied with calibration certificate.

DIAL INDICATOR DIAL GAUGE Ø 58 MM

FEATURES

Accuracy according to UNI 4180.
Resolution 0.001.
Cylindrical shank Ø 8 mm.
Stroke 5 mm.
Stainless steel shank.
Tungsten carbide tip.

Supplied with calibration certificate.



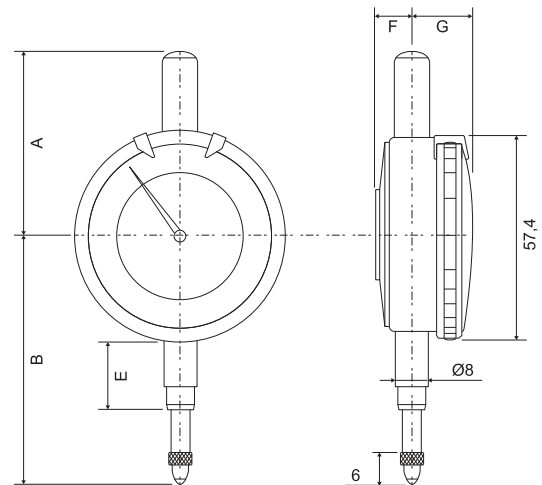
| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|--------|----------|---------------|------|------|------|------|------|-----------------|
| CB0560 | 0 ÷ 5 | 0,001 | 40 | 60 | 23 | 6,5 | 16 | |

TWIN DIAL INDICATOR Ø 58 MM

FEATURES

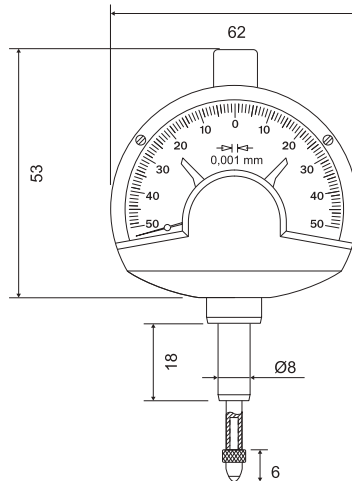
Accuracy according to UNI 4180.
Resolution 0.002.
Cylindrical shank Ø 8 mm.
Metal case and ferrule.
Tolerance indicators according to DIN 879.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | A mm | B mm | E mm | F mm | G mm | Price List Page |
|---------|----------|---------------|------|------|------|------|------|-----------------|
| CB00812 | 0 ÷ 12 | 0,002 | 42,8 | 68,5 | 19,8 | 8,6 | 18,5 | |

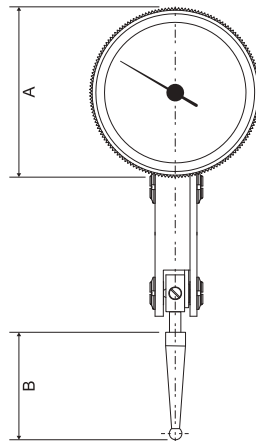
CENTESIMAL ZERO DIAL INDICATOR



| Code | Range mm | Resolution mm | Measuring force N | Price List Page |
|-----------|----------|---------------|-------------------|-----------------|
| CB025ZERO | 0 ÷ 0,05 | 0,001 | 1 | |

LEVER-OPERATED DIAL INDICATOR

MEGAtast



| Code | Range mm | Resolution mm | A mm | B mm | Price List Page |
|------------|----------|---------------|------|------|-----------------|
| CB050270,8 | 0 ÷ 0,8 | 0,01 | 27,4 | 12 | |
| CB050270,2 | 0 ÷ 0,2 | 0,002 | 27,4 | 12 | |
| CB050270,5 | 0 ÷ 0,5 | 0,01 | 27,4 | 36 | |
| CB050370,8 | 0 ÷ 0,8 | 0,01 | 37 | 12 | |
| CB050370,2 | 0 ÷ 0,2 | 0,002 | 37 | 12 | |
| CB050370,5 | 0 ÷ 0,5 | 0,01 | 37 | 36 | |

FEATURES

Resolution 0.001.
Compliant with DIN 879.
Free travel 3 mm.
Shock-proof movement mounted on rubies.
Rod movement on balls.
Zero adjustment via top screw, protected by cap.

Supplied with calibration certificate.

FEATURES

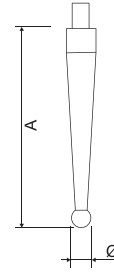
Conforms to DIN 2270A.
Dovetail connection Ø 8 mm.
Chrome-plated one-piece case.
Shock-proof movement mounted on rubies.
Automatic reversal of measuring direction.
Rotatable zeroing dial.
Interchangeable dial indicator.
Tungsten carbide ball.
270° adjustable.
Mounted on micro-ball bearings.
M1.4 thread.
CB051 interchangeable tips.

Supplied with calibration certificate.

INTERCHANGEABLE BALL TIP FOR DIAL GAUGES M1.4

FEATURES

Tungsten carbide tip for lever-type dial gauges.
Thread M1,4.
Sold individually.



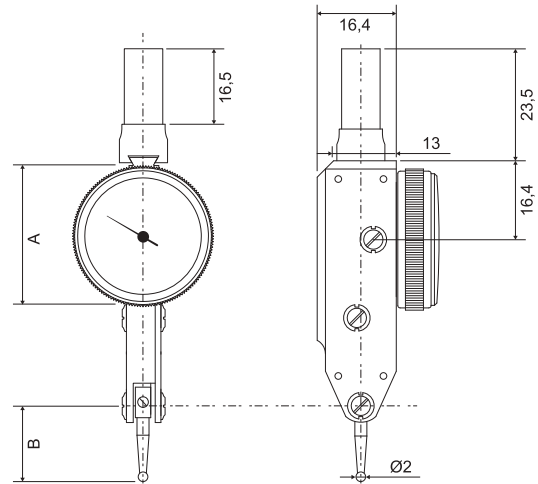
| Code | Ø Sphere mm | A mm | Price List Page |
|----------|-------------|------|-----------------|
| CB051CT1 | 1 | 12 | |
| CB051CT2 | 2 | 12 | |
| CB051LG1 | 1 | 36 | |
| CB051LG2 | 2 | 36 | |

LEVER-OPERATED DIAL INDICATOR

FEATURES

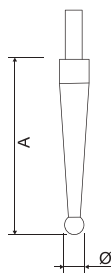
Automatic inversion.
Revolving zeroing dial.
Dovetail and cylindrical connection Ø 8 mm.
Thread M1.6.
Interchangeable CB053 tips.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | A mm | B mm | Price List Page |
|--------------|----------|---------------|------|------|-----------------|
| CB0520200229 | 0 ÷ 0,2 | 0,002 | 29 | 16 | |
| CB0520200238 | 0 ÷ 0,2 | 0,002 | 38 | 16 | |
| CB052080129 | 0 ÷ 0,8 | 0,01 | 29 | 16,5 | |
| CB052080129L | 0 ÷ 0,8 | 0,01 | 29 | 30,5 | |
| CB052080138 | 0 ÷ 0,8 | 0,01 | 38 | 16,5 | |
| CB052080138L | 0 ÷ 0,8 | 0,01 | 38 | 30,5 | |

INTERCHANGEABLE BALL TIP FOR DIAL GAUGES M1.6

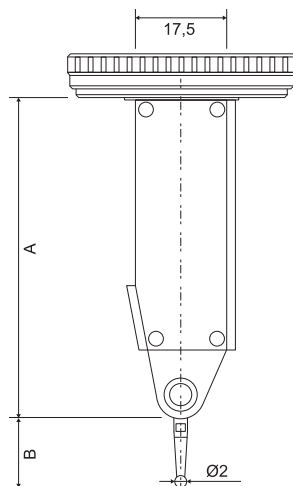


| Code | Ø Sphere mm | A mm | Price List Page |
|------------|----------------|---------|--------------------|
| CB053216 | 2 | 16,0 | |
| CB053216,5 | 2 | 16,5 | |
| CB0532305 | 2 | 30,5 | |

FEATURES

Tungsten carbide tip for lever-type dial gauges.
Thread M1,6.
Sold individually.

LEVER-OPERATED DIAL INDICATOR



| Code | Range mm | Resolution mm | Dial reading | A mm | B mm | L mm | Price List Page |
|----------|-------------|------------------|--------------|---------|---------|---------|--------------------|
| CB0550,5 | 0 - 0,5 | 0,01 | 0 - 25 - 0 | 55,5 | 35,7 | 35,7 | |

FEATURES

Resolution 0.01.
Conforms to DIN 2270C.
Thread M1.6.

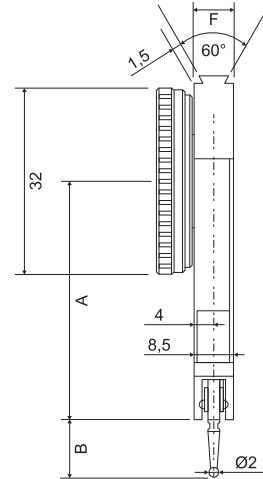
Supplied with calibration certificate.

TWIN DIAL INDICATOR

FEATURES

Resolution 0.002.
Conforms to DIN 2270B.
Thread M1.6.

Supplied with calibration certificate.



| Code | Range mm | Resolution mm | Dial reading | Price List Page |
|----------|----------|---------------|--------------|-----------------|
| CB0640,2 | 0 ÷ 0,2 | 0,002 | 0 - 100 - 0 | |

ACCESSORIES FOR DIAL GAUGES

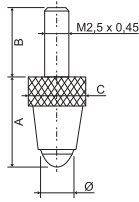
FEATURES

Accessories for clamping different types of dial gauges.



| Code | Fig. | Description | Price List Page |
|--------|------|--|-----------------|
| CC070A | 1 | Mounting rod, dovetail connection \varnothing 4mm | |
| CC070B | 2 | Mounting rod, dovetail connection \varnothing 8mm | |
| CC070C | 3 | Long articulated stand, cylindrical body dovetail connection \varnothing 8 x 90mm | |
| CC070D | 4 | Centring support for perpendicular models, with cylindrical body \varnothing 8 x 25 mm. Clamping point for clamping rod and attachment dovetail \varnothing 4mm. | |
| CC070E | 5 | Long articulated stand with cylindrical body dovetail connection and fine adjustment \varnothing 8 x 125mm | |
| CC070F | 6 | Jointed rod for workpiece centring \varnothing 8 x 40mm | |

M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES

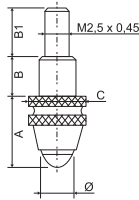


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|---------|---------|--------------------|
| CC005A | 7,5 | 5 | 5 | 1/8 | |

FEATURES

Replacement tip with rounded contact for dial gauges.
The characteristic M2.5 thread also allows application on gauges with interchangeable tips.
Sold individually.

STEEL CONTACT TERMINAL M 2.5 FOR DIAL GAUGES

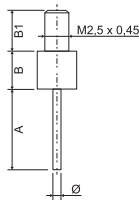


| Code | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC006A | 8 | 4 | 5 | 6 | 1/8 | |

FEATURES

Replacement tip with rounded contact for dial gauges.
The characteristic M2.5 thread also allows application on gauges with interchangeable tips.
Sold individually.

M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES



| Code | A mm | B mm | B1 mm | Ø mm | Price List Page |
|------------|---------|---------|----------|---------|--------------------|
| CC007112 | 12 | 5 | 5 | 1 | |
| CC0071,512 | 12 | 5 | 5 | 1,5 | |
| CC0071,525 | 25 | 5 | 5 | 1,5 | |
| CC007212 | 12 | 5 | 5 | 2 | |
| CC007225 | 25 | 5 | 5 | 2 | |

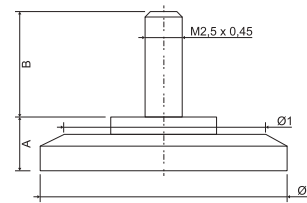
FEATURES

Comparator tip.
Sold individually.

STEEL CONTACT TERMINAL M 2.5 FOR DIAL GAUGES

FEATURES

Replacement tip with flat contact for dial gauges. The characteristic M2.5 thread also allows application on gauges with interchangeable tips. Sold individually.

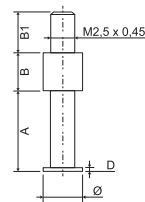


| Code | A mm | B mm | B1 mm | Ø mm | Ø1 mm | Price List Page |
|--------|---------|---------|----------|---------|----------|--------------------|
| CC008A | 4 | 5,5 | 5 | 18 | 15 | |

STEEL CONTACT TERMINAL M 2.5 FOR DIAL GAUGES

FEATURES

Replacement tip with flat contact for dial gauges. The characteristic M2.5 thread also allows application on gauges with interchangeable tips. Sold individually.

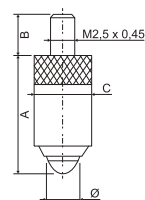


| Code | A mm | B mm | B1 mm | D mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC009A | 12 | 5,3 | 5 | 0,3 | 5 | |

M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES

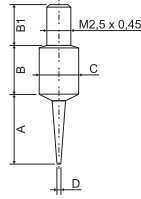
FEATURES

Long replacement tip with rounded contact for dial gauges. The characteristic M2.5 thread also allows application on gauges with interchangeable tips. Sold individually.



| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|---------|---------|--------------------|
| CC010A | 17,3 | 5 | 4,5 | 1/8 | |

STEEL CONTACT TERMINAL M 2.5 FOR DIAL GAUGES

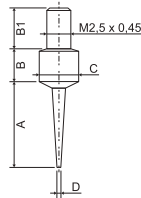


| Code | A mm | B mm | B1 mm | C mm | D mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC011A | 11,2 | 6,2 | 5 | 4,5 | 0,3 | |

FEATURES

Long pin replacement tip for dial gauges.
The characteristic M2.5 thread also allows application on gauges with interchangeable tips.
Sold individually.

STEEL CONTACT TERMINAL M 2.5 FOR DIAL GAUGES

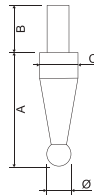


| Code | A mm | B mm | B1 mm | C mm | D mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC012A | 9 | 3,5 | 5 | 4,5 | 0,3 | |

FEATURES

Replacement needle tip for dial gauges.
The characteristic M2.5 thread also allows application on gauges with interchangeable needle tips.
Sold individually.

INTERCHANGEABLE M 2.5 BALL TIP FOR DIAL GAUGES



| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|----------|---------|---------|---------|---------|--------------------|
| CC0201 | 12 | 5 | 4 | 1 | |
| CC0201,5 | 12 | 5 | 4 | 1,5 | |
| CC0202 | 12 | 5 | 4 | 2 | |
| CC0202,5 | 12 | 5 | 4 | 2,5 | |
| CC0203 | 12 | 5 | 4 | 3 | |
| CC0203,5 | 12 | 5 | 4 | 3,5 | |
| CC0204 | 12 | 5 | 4 | 4 | |
| CC0204,5 | 12 | 5 | 4 | 4,5 | |
| CC0205 | 12 | 5 | 4 | 5 | |
| CC0205,5 | 12 | 5 | 4 | 5,5 | |
| CC0206 | 12 | 5 | 4 | 6 | |
| CC0206,5 | 12 | 5 | 4 | 6,5 | |

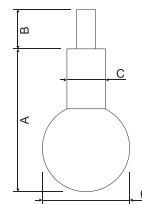
FEATURES

Spherical ferrule M2.5 x 0.45 6g hardened steel for gauges and dial gauges.
Tungsten carbide available on request.

INTERCHANGEABLE M 2.5 BALL TIP FOR DIAL GAUGES

FEATURES

Spherical steel ferrule M2,5 6g for gauges and dial gauges.

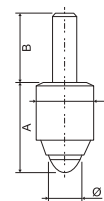


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|-----------|------|------|------|------|-----------------|
| CC0217 | 18 | 5 | 5 | 7 | |
| CC0217,5 | 18 | 5 | 5 | 7,5 | |
| CC0218 | 18 | 5 | 5 | 8 | |
| CC0218,5 | 18 | 5 | 5 | 8,5 | |
| CC0219 | 18 | 5 | 5 | 9 | |
| CC0219,5 | 18 | 5 | 5 | 9,5 | |
| CC02110 | 18 | 5 | 5 | 10 | |
| CC02110,5 | 18 | 5 | 5 | 10,5 | |
| CC02111 | 18 | 5 | 5 | 11 | |
| CC02111,5 | 18 | 5 | 5 | 11,5 | |

INTERCHANGEABLE SPHERICAL FERRULE M 2.5 FOR DIAL GAUGES

FEATURES

Steel ferrule with ball contact M 2.5 6g for gauges and dial gauges.
Sold individually.

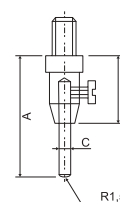


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|------|------|------|------|-----------------|
| CC022A | 6 | 5 | 1/8 | 4,7 | |

INDEX POST WITH INTERCHANGEABLE M 2.5 PLUG FOR DIAL GAUGES

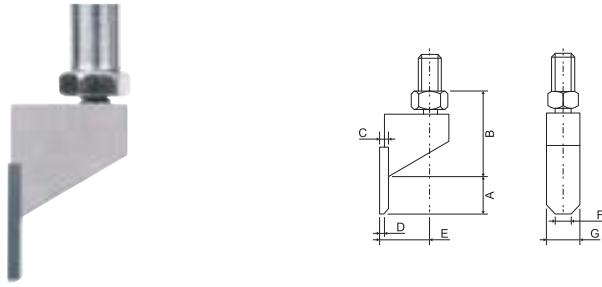
FEATURES

Tungsten carbide ferrule M2,5 6g for lever-type dial indicators.
Sold individually.



| Code | L mm | Ø mm | Price List Page |
|--------|------|------|-----------------|
| CC023A | 9 | 1,5 | |

OFF-CENTRE M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES



| Code | A mm | B mm | C mm | D mm | E mm | F mm | G mm | Price List Page |
|--------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| CC024A | 5 | 11 | 1 | 0,5 | 6,5 | 3,3 | 5 | |

FEATURES

Off-centre contact tip in MD M2,5 6g for gauges and dial gauges.
Sold individually.

INTERCHANGEABLE SPHERICAL FERRULE M 2.5 FOR DIAL GAUGES

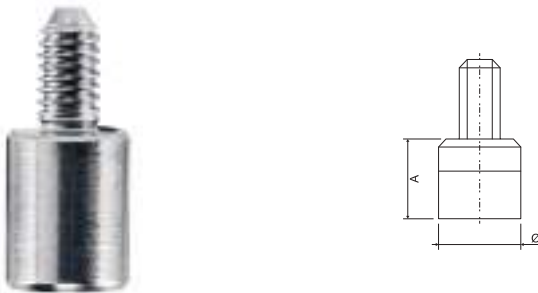


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|---------|---------|--------------------|
| CC025A | 6 | 5 | 5 | 1/8 | |

FEATURES

Spherical ferrule Rubino M2,5 6g for gauges and dial gauges.
Sold individually.

M 2.5 CYLINDRICAL INTERCHANGEABLE FERRULE FOR DIAL GAUGES



| Code | Material | A mm | B mm | Price List Page |
|--------|------------|---------|---------|--------------------|
| CC026A | Steel | 5 | 5 | |
| CC026W | Hard metal | 5 | 5 | |

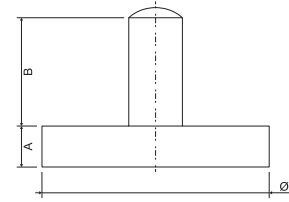
FEATURES

Cylindrical steel ferrule M2.5 6g for gauges and dial gauges.
Sold individually.

INTERCHANGEABLE FLAT CONTACT TIP M 2.5 FOR DIAL GAUGES

FEATURES

Steel flat contact tip M2.5 6g for gauges and dial gauges.
Sold individually.

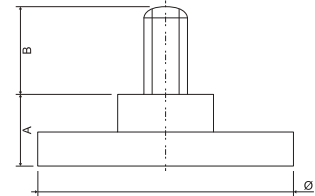


| Code | Material | A mm | B mm | Ø mm | Price List Page |
|--------|------------|------|------|------|-----------------|
| CC027A | Steel | 2 | 5 | 10 | |
| CC027W | Hard metal | 2 | 5 | 10 | |

INTERCHANGEABLE FLAT CONTACT TIP M 2.5 FOR DIAL GAUGES

FEATURES

Flat contact tip Ø 20 mm M2.5 6g for gauges and dial gauges.
Sold individually.

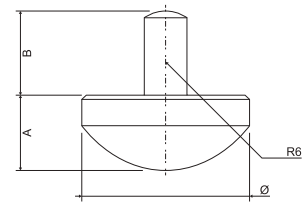


| Code | A mm | B mm | Ø mm | Price List Page |
|--------|------|------|------|-----------------|
| CC028A | 3,6 | 5 | 20 | |

INTERCHANGEABLE SPHERICAL FERRULE M 2.5 FOR DIAL GAUGES

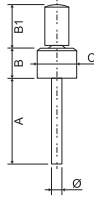
FEATURES

Spherical ferrule with curved contact M2.5 6g for gauges and dial gauges.
Sold individually.



| Code | A mm | B mm | Ø mm | Price List Page |
|--------|------|------|------|-----------------|
| CC029A | 4,5 | 5 | 10 | |

M 2.5 CYLINDRICAL INTERCHANGEABLE FERRULE FOR DIAL GAUGES

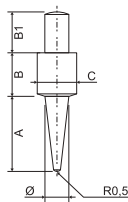


| Code | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC030A | 11 | 5 | 5 | 4,7 | 1,5 | |

FEATURES

Cylindrical ferrule Ø 1.5 mm M2.5 6g for gauges and dial gauges.
Sold individually.

M 2.5 TAPERED INTERCHANGEABLE FERRULE FOR DIAL GAUGES

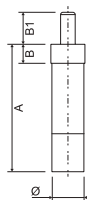


| Code | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC031A | 10 | 6 | 5 | 4,7 | 3,5 | |

FEATURES

Conical ferrule M2.5 6g for gauges and dial gauges.
Sold individually.

EXTENSION M 2.5 FOR DIAL GAUGES



| Code | A mm | B mm | B1 mm | Ø mm | Price List Page |
|---------|---------|---------|----------|---------|--------------------|
| CC03210 | 10 | 3 | 5 | 4 | |
| CC03215 | 15 | 3 | 5 | 4 | |
| CC03220 | 20 | 3 | 5 | 4 | |
| CC03225 | 25 | 3 | 5 | 4 | |
| CC03230 | 30 | 3 | 5 | 4 | |
| CC03235 | 35 | 3 | 5 | 4 | |
| CC03240 | 40 | 3 | 5 | 4 | |
| CC03245 | 45 | 3 | 5 | 4 | |
| CC03250 | 50 | 3 | 5 | 4 | |
| CC03255 | 55 | 3 | 5 | 4 | |
| CC03260 | 60 | 3 | 5 | 4 | |
| CC03265 | 65 | 3 | 5 | 4 | |
| CC03270 | 70 | 3 | 5 | 4 | |
| CC03275 | 75 | 3 | 5 | 4 | |
| CC03280 | 80 | 3 | 5 | 4 | |
| CC03285 | 85 | 3 | 5 | 4 | |
| CC03290 | 90 | 3 | 5 | 4 | |

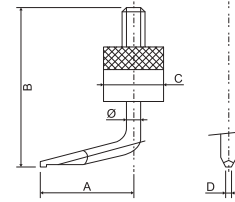
FEATURES

Steel extension M2.5 6g for gauges and dial gauges.
Sold individually.

M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES

FEATURES

Index post 90° M2,5 6g for gauges and dial gauges.
Sold individually.

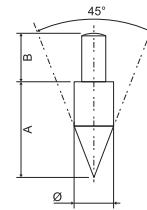


| Code | A mm | B mm | C mm | D mm | Ø mm | Price List Page |
|--------|---------|---------|---------|---------|---------|--------------------|
| CC033A | 12 | 15 | 7 | 0,4 | 2 | |

M 2.5 TAPERED INTERCHANGEABLE FERRULE FOR DIAL GAUGES

FEATURES

45° conical steel ferrule M2,5 6g for gauges and dial gauges.
Sold individually.

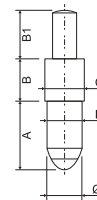


| Code | A mm | B mm | Ø mm | Price List Page |
|--------|---------|---------|---------|--------------------|
| CC034A | 10 | 5 | 4,5 | |

INTERCHANGEABLE SPHERICAL FERRULE M 2.5 FOR DIAL GAUGES

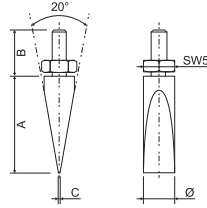
FEATURES

Spherical contact tip 16 mm long M2.5 6g for gauges and dial gauges.
Sold individually.



| Code | A mm | B mm | B1 mm | C mm | D mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|---------|--------------------|
| CC035A | 10 | 6 | 5 | 4,7 | 1/8 | 4,5 | |

INTERCHANGEABLE M 2.5 SLOTTED FERRULE FOR DIAL GAUGES

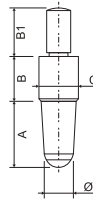


| Code | A mm | B mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|---------|---------|--------------------|
| CC036A | 16 | 7,5 | 0,2 | 5 | |

FEATURES

M2.5 6g swivel cut tip for gauges and dial gauges.
Sold individually.

M 2.5 INTERCHANGEABLE FERRULE FOR DIAL GAUGES

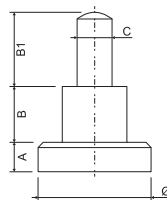


| Code | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC037A | 6 | 4 | 5 | 4,7 | 3 | |

FEATURES

Profile cutting tip Ø 3 mm M2.5 6g for gauges and dial gauges.
Sold individually.

INTERCHANGEABLE FLAT CONTACT TIP M 2.5 FOR DIAL GAUGES



| Code | A mm | B mm | B1 mm | C mm | Ø mm | Price List Page |
|--------|---------|---------|----------|---------|---------|--------------------|
| CC038A | 2 | 4 | 5 | 4,5 | 7,8 | |

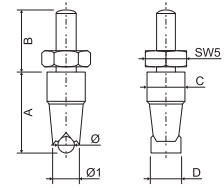
FEATURES

Flat contact tip Ø 4.5 mm M2.5 6g for gauges and dial gauges.
Sold individually.

M 2.5 CYLINDRICAL FERRULE FOR DIAL GAUGES

FEATURES

Cylindrical ferrule M2,5 6g for gauges and dial gauges.
Sold individually.

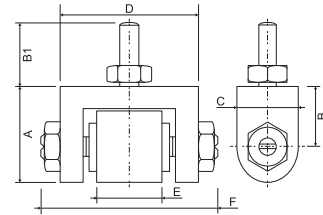


| Code | A mm | B mm | C mm | D mm | Ø mm | Ø1 mm | Price List Page |
|--------|---------|---------|---------|---------|---------|----------|--------------------|
| CC039A | 10 | 7,5 | 3,5 | 4,5 | 2 | 3 | |

M 2.5 LONG ROLLER INTERCHANGEABLE FERRULE FOR DIAL GAUGES

FEATURES

Long roller tip 8.7 mm M2.5 6g for gauges and dial gauges.
Sold individually.

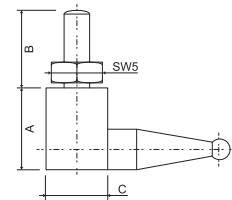


| Code | A mm | B mm | B1 mm | C mm | D mm | E mm | F mm | Price List Page |
|--------|---------|---------|----------|---------|---------|---------|---------|--------------------|
| CC040A | 11,2 | 7 | 7,5 | 8 | 18 | 8,7 | 23 | |

INTERCHANGEABLE M 2.5 ELBOW FERRULE FOR DIAL GAUGES

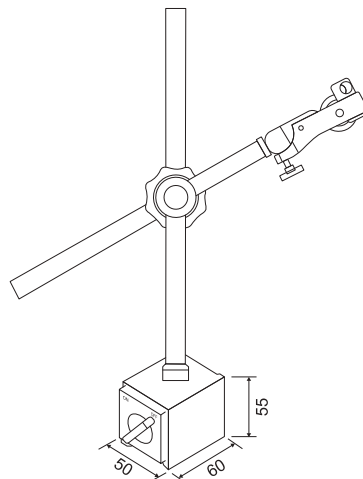
FEATURES

Elbow tip M2,5 6g ball Ø 2 mm for gauges and dial gauges.
Sold individually.



| Code | A mm | B mm | C mm | Price List Page |
|--------|---------|---------|---------|--------------------|
| CC041A | 8 | 7,5 | 6x6 | |

MAGNETIC DIAL INDICATOR HOLDER



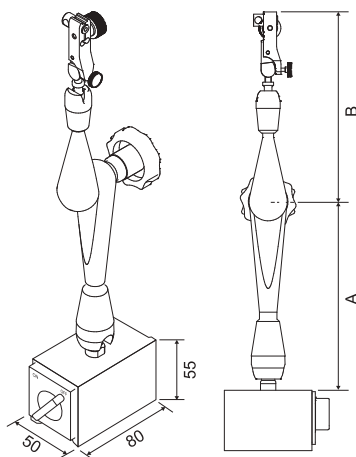
| Code | Fine adjustment | Arm length mm | Price List Page |
|----------|-----------------|---------------|-----------------|
| CD010160 | - | 160 | |
| CD010180 | ✓ | 180 | |
| CD010194 | - | 194 | |

KANETEC

FEATURES

Prismatic base.
Pure cobalt magnet.
Chrome-plated rods.
Ø 8 mm connection.
Tensile force 80 kg.

MAGNETIC DIAL INDICATOR HOLDER WITH CENTRAL LOCKING



| Code | Locking | Holding power kg | A mm | B mm | Arm length mm | Description | Price List Page |
|----------|---------|------------------|------|------|---------------|-------------|-----------------|
| CD016ME | | 100 | 172 | 173 | 345 | Mechanic | |
| CD016MEL | | 100 | 208 | 218 | 426 | Mechanic | |

FEATURES

Magnetic base.
Fully articulated rods.
Ø 8 mm connection.
Centralised locking.
Micrometric adjustment.
Ground flat and V-shaped support surfaces.

ACCESSORIES

| |
|----------------|
| CD016BA |
| Magnetic base |
| CD016BR |
| Arm |

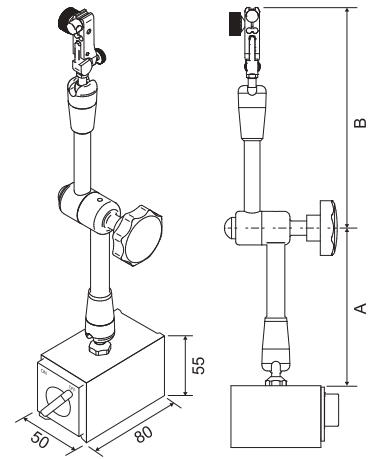
MAGNETIC DIAL INDICATOR HOLDER WITH CENTRALISED HYDRAULIC CLAMPING

FEATURES

- Magnetic base.
- Fully articulated rods.
- Ø 8 mm connection.
- Centralised hydraulic clamping.
- Micrometric adjustment.
- Ground flat and V-shaped support surfaces.

ACCESSORIES

| |
|----------------|
| CD016BA |
| Magnetic base |
| CD019BR |
| Arm |

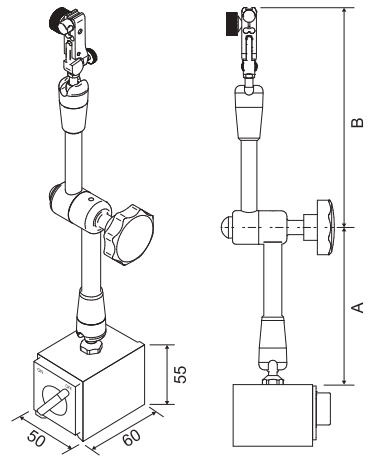


| Code | Holding power kg | A mm | B mm | Arm length mm | Description | Price List Page |
|----------|------------------|------|------|---------------|-------------|-----------------|
| CD018ID | 100 | 140 | 196 | 336 | Hydraulic | |
| CD018IDL | 100 | 193 | 241 | 434 | Hydraulic | |

JOINTED KEY DIAL INDICATOR HOLDER

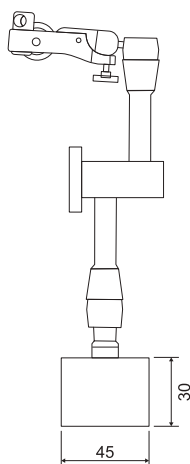
FEATURES

- Magnetic base M8.
- Fully jointed rods Ø 14 mm.
- Shank Ø 8 mm.
- Central locking.
- Micrometric adjustment.



| Code | Locking | Holding power kg | A mm | B mm | C mm | Arm length mm | Price List Page |
|----------|-----------|------------------|------|------|------|---------------|-----------------|
| CD021M80 | Complete | 80 | 135 | 110 | 65 | 340 | |
| CD021BA | Base only | 80 | - | - | - | - | |
| CD021GR | Arm only | - | 135 | 110 | 65 | 340 | |

FIXED-BASE DIAL INDICATOR HOLDER

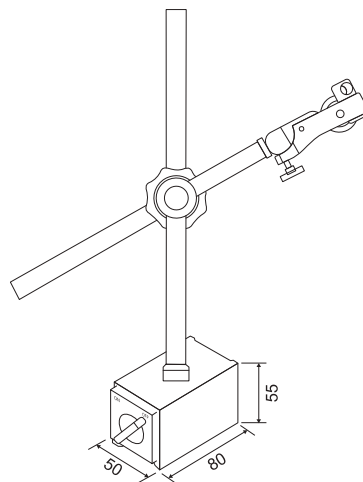


| Code | Locking | Holding power kg | Arm length mm | Price List Page |
|----------|----------|---------------------|------------------|--------------------|
| CD029M30 | Mechanic | 30 | 150 | |

FEATURES

Base with permanent magnet.
Fully articulated rods.

KEY COMPARATOR HOLDER



| Code | Locking | Holding power kg | Arm length mm | Price List Page |
|------------|----------|---------------------|-----------------------|--------------------|
| CD022M490 | Mechanic | 100 | 490 | |
| CD022M1000 | Mechanic | 100 | 1000 rods (500 x 500) | |

FEATURES

Supplied with micrometric dial indicator
adjustment screw.
Suitable for heavy dial indicators.
8 mm dia. connection.
Micrometric adjustment.

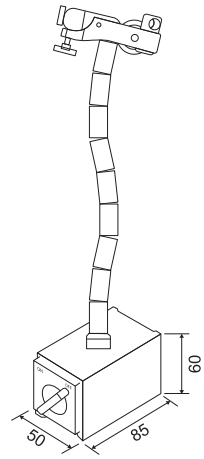
ACCESSORIES

| |
|---------------|
| CD016BA |
| Magnetic base |

KEY-OPERATED DIAL INDICATOR HOLDER WITH FLEXIBLE ROD

FEATURES

Magnetic base M8.
8 mm dia. attachment.
Steel cable clamping.
Micrometric screw.

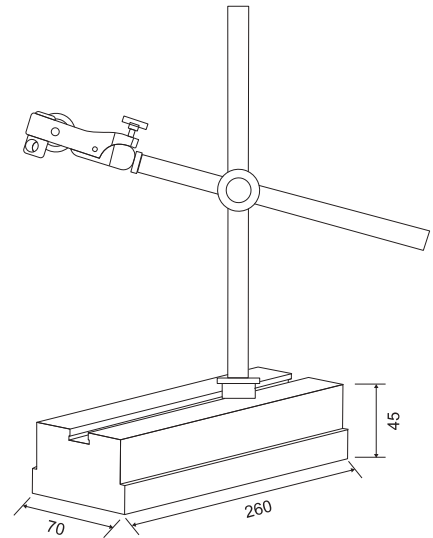


| Code | Locking | Holding power kg | Arm length mm | Price List Page |
|----------|----------|---------------------|------------------|--------------------|
| CD031M80 | Mechanic | 80 | 370 | |

COLUMN DIAL INDICATOR HOLDER

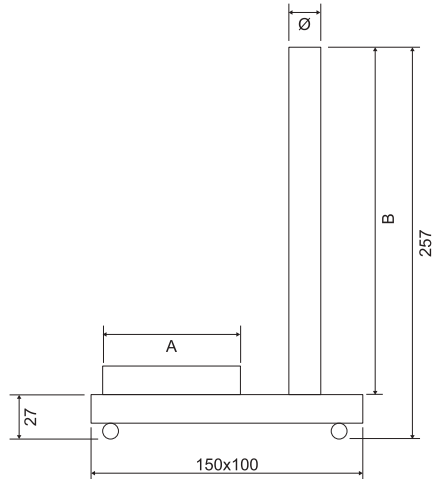
FEATURES

Cast iron base ground on all sides.
Connection \varnothing 8 mm.



| Code | Description | Price List Page |
|---------|-------------------|--------------------|
| CD02530 | Complete support | |
| CD025BA | Base only | |
| CD025GR | Rod assembly only | |

COLUMN DIAL INDICATOR HOLDER

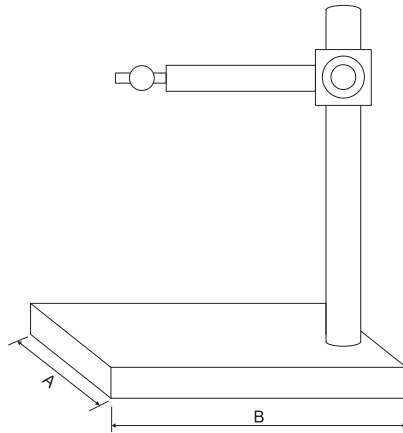


| Code | Ø mm | A mm | B mm | Price List Page |
|---------|------|------|------|-----------------|
| CD02770 | 25 | Ø 78 | 230 | |

FEATURES

Hardened and ground steel.
Verification table with fixed table.
Horizontal arm 75 mm.

COLUMN DIAL INDICATOR HOLDER



| Code | Ø mm | Base dimension mm | Price List Page |
|----------|------|-------------------|-----------------|
| CD028125 | 30 | 125 x 125 | |

FEATURES

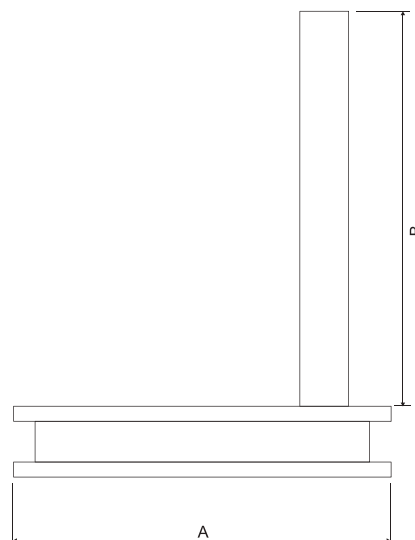
Hardened and ground steel.
Knurled verification table with fixed table.
Smooth column Ø 30 mm.

COLUMN DIAL INDICATOR HOLDER

FEATURES

Chrome-plated steel stand and hardened stainless steel base.

Height adjustment with ring nut, 360° rotating arm and double lever locking (of arm and dial indicator).



| Code | Dial gauge coupling mm | A mm | B mm | Micro regulation | kg | Price List Page |
|----------|------------------------|-----------|------------|------------------|-------|-----------------|
| CD050200 | 8 | 100 x 150 | ø 30 x 220 | - | 5,860 | |

COMPARATOR STAND WITH GRANITE TOP

FEATURES

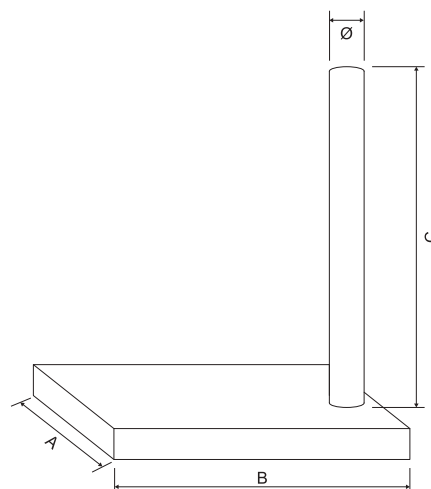
Flatness and accuracy to DIN 876/00.

Shank Ø 8 mm.

Hardened and ground steel column.

Finely lapped top.

Supplied without dial indicator.



| Code | Ø | A | B | C | Arm length | Fine adjustment | Description | Price List Page |
|--------|----|-----|-----|-----|------------|-----------------|---|-----------------|
| CD040B | 25 | 160 | 250 | 200 | 75 | - | normal column | |
| CD040C | 30 | 200 | 300 | 300 | 180 | ✓ | threaded column with micrometric adjustment | |
| CD040D | 30 | 200 | 300 | 300 | 180 | ✓ | normal column with micrometric adjustment | |

JOINTED DIAL INDICATOR STAND WITH GRANITE TOP

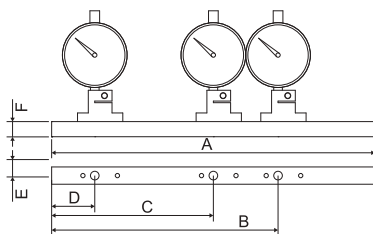


FEATURES

Flatness and accuracy to DIN 876/00.
Dovetail and $\varnothing 8$ mm.
Fully articulated column.
Centralised clamping.
Micrometric adjustment.


| Code | Locking | Base mm | Arm lenght mm | Price List Page |
|---------|----------|------------|------------------|--------------------|
| CD024ME | Mechanic | 300 x 200 | 340 | |

COMPARATOR HOLDER BASE



FEATURES

Made of hardened stainless steel.
Allows multiple measurements at the same time.

| Code | A mm | B mm | C mm | D mm | E mm | F mm |  9 | Price List Page |
|----------|---------|---------|---------|---------|---------|---------|---|--------------------|
| BC050100 | 100 | 210 | 150 | 40 | 16 | 14 | 316 | |
| BC050200 | 200 | 210 | 150 | 40 | 16 | 14 | 516 | |
| BC050300 | 300 | 210 | 150 | 40 | 16 | 14 | 716 | |

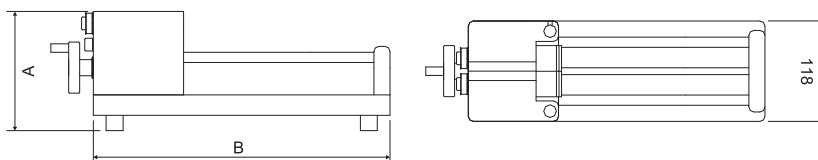
CONCENTRICITY AND ROUNDNESS TEST BENCH

FEATURES

- Light-alloy housing.
- Hardened steel rotors.
- 3 movable dial indicator holders.
- Handwheel.
- Flat belt drive.
- Supplied with ABS case.
- Dial indicators to be ordered separately.



| Code | Range mm | Accuracy mm | A x B mm | Weight | Price List Page |
|----------|----------|-------------|-----------|--------|-----------------|
| CT01050 | 1,5 ÷ 50 | ± 0,002 | 140 x 350 | 8,5 | |
| CT010100 | 10 ÷ 100 | ± 0,002 | 140 x 350 | 12 | |



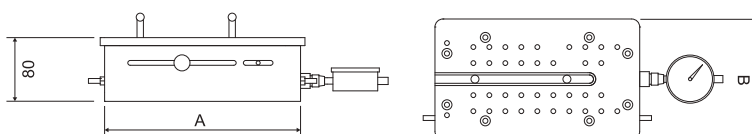
CONTROL TABLE

FEATURES

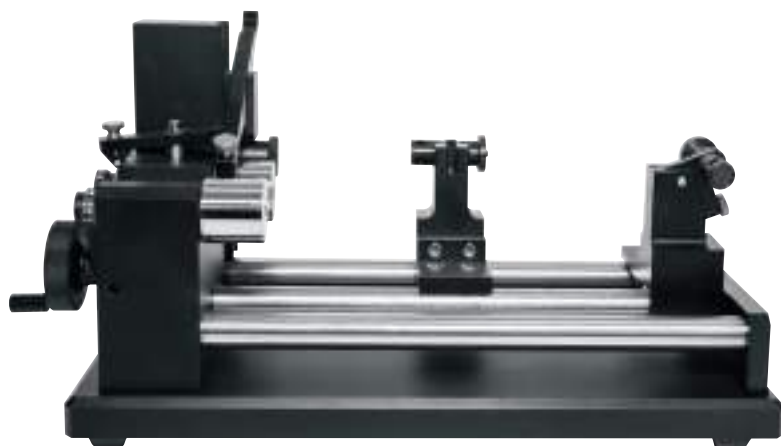
- An instrument for comparative measuring of internal and external.
- Ideal for checking workpieces in series.
- Light alloy body.
- Hardened stainless steel top.
- Interchangeable tips.
- Internal/external preload.
- Suitable for measuring workpieces with parallel surfaces cylindrical or conical surfaces (such as shafts, through-holes and blind holes, short shoulders, slots and wall thicknesses).
- Checks gear diameters and detects roundness, concentricity and coaxiality errors.
- Supplied with a pair of support brackets, 0.01 mm dial indicator and ABS case.



| Code | Range mm | Repeatability mm | A x B mm | Weight | Price List Page |
|----------|----------|------------------|-----------|--------|-----------------|
| CT020200 | 0 ÷ 200 | ± 0,001 | 255 x 150 | 6,3 | |
| CT020330 | 0 ÷ 330 | ± 0,001 | 406 x 180 | 7,1 | |



CONCENTRICITY CHECK BENCHES


**FEATURES**

Instrument for checking concentricity and roundness of shafts up to 100 mm diameter with a high degree of accuracy.

Resolution 0.005 mm.

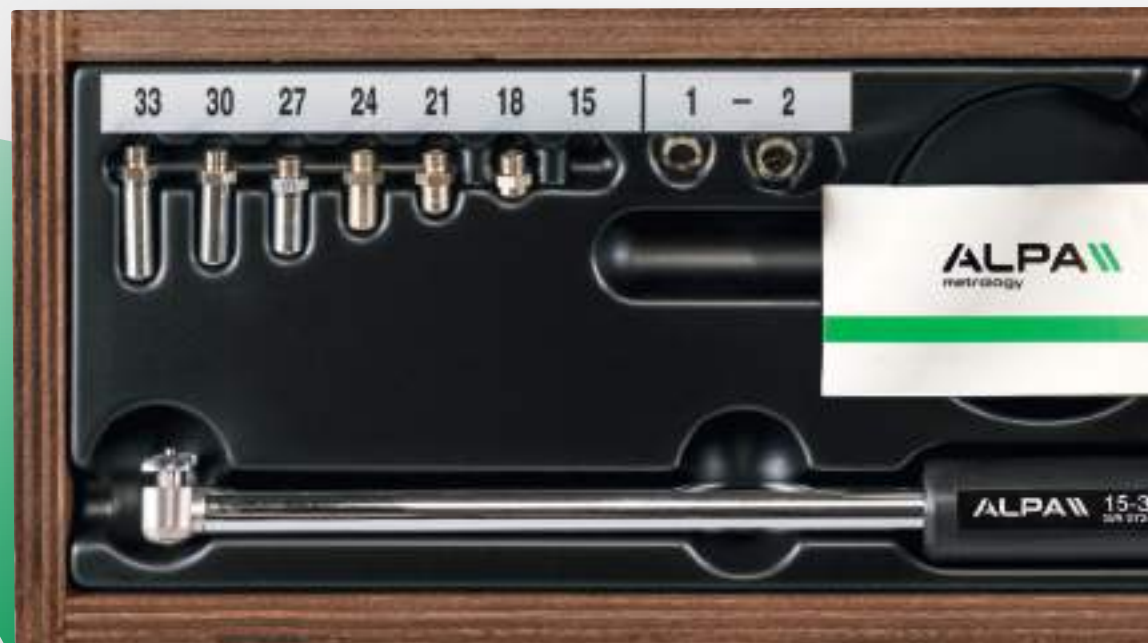
Possibility of mounting 2 dial gauges.

Manual operation.

| Code | Workpiece diameter mm | Dimensions mm |  kg | Price List Page |
|----------|--------------------------|------------------|--|--------------------|
| CT030025 | 1 - 25 | 267 x 165 x 152 | 5,2 | |
| CT030100 | 20 - 100 | 368 x 203 x 203 | 8,4 | |

CAPITOLO D

ALESAMETRI



BORE GAUGE



| Code | Range mm | Accuracy μm | Max depth mm | Contacts | Price List Page |
|------------|-----------|------------------------|--------------|------------|-----------------|
| DA01035A | 15 ÷ 35 | ± 3 | 175 | Steel | |
| DA01035W | 15 ÷ 35 | ± 3 | 175 | Hard metal | |
| DA010100A | 30 ÷ 100 | ± 3 | 250 | Steel | |
| DA010100W | 30 ÷ 100 | ± 3 | 250 | Hard metal | |
| DA010160A | 50 ÷ 160 | ± 3 | 250 | Steel | |
| DA010160W | 50 ÷ 160 | ± 3 | 250 | Hard metal | |
| DA010210A | 50 ÷ 210 | ± 3 | 380 | Steel | |
| DA010210W | 50 ÷ 210 | ± 3 | 380 | Hard metal | |
| DA010300A | 100 ÷ 300 | ± 3 | 350 | Steel | |
| DA010300W | 100 ÷ 300 | ± 3 | 350 | Hard metal | |
| DA010500AS | 100 ÷ 500 | ± 3 | 350 | Steel | |
| DA010500WS | 100 ÷ 500 | ± 3 | 350 | Hard metal | |
| DA010500A | 100 ÷ 500 | ± 3 | 650 | Steel | |
| DA010500W | 100 ÷ 500 | ± 3 | 650 | Hard metal | |

REAMER FOR LARGE DIAMETERS



| Code | Range mm | Accuracy μm | Maximum depth mm | Contacts | Price List Page |
|-----------|------------|------------------------|------------------|------------|-----------------|
| DA018800A | 190 ÷ 1000 | ± 3 | 800 | Steel | |
| DA018800W | 190 ÷ 1000 | ± 3 | 800 | Hard metal | |

EXTENSION FOR BORE GAUGES



| Code | Length mm | Section diameter mm | Price List Page |
|-----------|-----------|---------------------|-----------------|
| DA021500 | 500 | 13 | |
| DA0211000 | 1000 | 13 | |

FEATURES

Tungsten carbide moving rod.
Dial gauge attachment $\varnothing 8$ mm.
Highly robust and reliable.
For heavy-duty use in the workshop and testing.

Supplied with calibration certificate.

FEATURES

Tungsten carbide moving and fixed probe.
Dial gauge connection $\varnothing 8$ mm.
Rod with double insulating handle.
Large measuring range with few elements.
Suitable for measuring large diameters.

Supplied with calibration certificate.

FEATURES

Alpa bore gauges can be fitted with extensions from $\varnothing 20$ mm to increase the measuring depth. Applicable to bore gauges with measuring ranges 30-100 mm, 50-160 mm, 50-210 mm.

EXTENSION FOR BORE GAUGES

FEATURES

Alpa bore gauges can be fitted with extensions from \varnothing 20 mm to increase measuring depth. Applicable to bore gauges with measuring ranges 100-300 mm, 100-500 mm, 190-1000 mm.



| Code | Length mm | Section diameter mm | Price List Page |
|-----------|-----------|---------------------|-----------------|
| DA022500 | 500 | 15 | |
| DA0221000 | 1000 | 15 | |

REAMER FOR SMALL BORES

FEATURES

Interchangeable heads.
2 opposing moving ball system.
Stainless steel body.
Supplied with dial gauge \varnothing 40 mm with 0.01 mm reading.
Suitable for workshop and test measurements.

Supplied with calibration certificate.



| Code | Range mm | Accuracy μ m | Readout mm | Max. depth mm | Contacts | Price List Page |
|------------|--------------|------------------|------------|---------------|------------|-----------------|
| DA0150510A | 5 \div 10 | \pm 5 | 0,01 | 90 | Steel | |
| DA0150510W | 5 \div 10 | \pm 5 | 0,01 | 90 | Hard metal | |
| DA0151020A | 10 \div 20 | \pm 5 | 0,01 | 100 | Steel | |
| DA0151020W | 10 \div 20 | \pm 5 | 0,01 | 100 | Hard metal | |

SET OF BORE GAUGES

FEATURES

Contains: 1 x 30/100 mm bore gauge, 1 x 100/300 mm bore gauge, 1 analogue dial indicator reading 0.01 mm, 2 x 100 mm extensions (30-500).

Supplied with calibration certificate.



| Code | Range mm | Accuracy μ m | Repeatability mm | Contacts | Price List Page |
|--------------|----------|------------------|------------------|------------|-----------------|
| DA027SET300A | 30 - 300 | \pm 3 | \pm 1 | Steel | |
| DA027SET300W | 30 - 300 | \pm 3 | \pm 1 | Hard metal | |
| DA027SET500A | 30 - 500 | \pm 3 | \pm 1 | Steel | |
| DA027SET500W | 30 - 500 | \pm 3 | \pm 1 | Hard metal | |

SET OF BORE GAUGES



| Code | Range mm | Accuracy μm | Readout mm | Dial indicator | Contacts | Price List Page |
|------------|----------|------------------------|------------|----------------|------------|-----------------|
| DA025SETAA | 15 ÷ 210 | ± 3 | 0.01 mm | Analogue | Steel | |
| DA025SETAD | 15 ÷ 210 | ± 3 | 0.001 mm | Digital | Steel | |
| DA025SETWA | 15 ÷ 210 | ± 3 | 0.01 mm | Analogue | Hard metal | |
| DA025SETWD | 15 ÷ 210 | ± 3 | 0.001 mm | Digital | Hard metal | |

BORE GAUGE WITH L-SHAPED ROD



| Code | Range mm | Accuracy μm | Price List Page |
|------------|----------|------------------------|-----------------|
| DA03530100 | 30 ÷ 100 | ± 5 | |
| DA03550160 | 50 ÷ 160 | ± 5 | |

BORE GAUGE FOR DIAL INDICATOR



| Code | Range mm | Accuracy μm | Maximum depth mm | No. of keys | Price List Page |
|----------|----------|------------------------|------------------|-------------|-----------------|
| DA040100 | 10 ÷ 18 | ± 2 | 100 | 9 | |
| DA04050 | 6 ÷ 10 | ± 2 | 50 | 9 | |

FEATURES

Contains: 1 x 15-35 mm bore gauge, 1 x 30-100 mm bore gauge, 1 x 50-210 mm bore gauge, 1 x extension, 1 x 0.01 mm analogue dial indicator 'AA' and 'WA' series, or digital dial indicator with data output 'AD' and 'WD' series.

Supplied with calibration certificate.

FEATURES

Tungsten carbide moving rod.
Dial gauge holder $\varnothing 8$ mm.
Interchangeable tungsten carbide tips.
Suitable for measuring cylinders or bearing housings in crankcases, and in any case at right angles to the instrument axis.
Dial gauge not supplied.

Supplied with calibration certificate.

TECLOCK®

FEATURES

Movable tungsten carbide rod.
Interchangeable hardened steel ball bearings (9 pcs.).
Dial gauge connection $\varnothing 8$ mm.
Light alloy rod with low expansion.
Handle made of insulating material.
Highest precision and reliability for testing with millesimal tolerance (Japanese class A).
Hinged measuring head system.
Dial gauge not supplied.

Supplied with calibration certificate.

BORE GAUGE FOR DIAL INDICATOR

FEATURES

Tungsten carbide moving rod.
 Interchangeable rod with hardened steel ball.
 Dial gauge connection Ø 8 mm.
 Light alloy rod with low expansion.
 Handle made of insulating material.
 Highest precision and repeatability for testing with millesimal tolerances (Japanese class A).
 Conventional system with moving rod and rod drive.
 Dial gauge not supplied.

Supplied with calibration certificate.



| Code | Range mm | Accuracy µm | Maximum depth mm | No. of keys | Price List Page |
|-------------|-----------|-------------|------------------|-------------|-----------------|
| DA0421835 | 18 + 35 | ± 2 | 103 | 9 | |
| DA0423560 | 35 + 60 | ± 2 | 150 | 6 | |
| DA04250150 | 50 + 150 | ± 2 | 150 | 11 | |
| DA042100160 | 100 + 160 | ± 2 | 150 | 13 | |
| DA042160250 | 160 + 250 | ± 2 | 250 | 6 | |
| DA042250400 | 250 + 400 | ± 2 | 250 | 5 | |

BORE GAUGE WITH SHORT MILLESIMAL ROD

FEATURES

Movable tungsten carbide rod.
 Interchangeable hardened steel ball bearings (9 pcs.).
 Dial gauge connection Ø 8 mm.
 Light alloy rod with low expansion.
 Handle made of insulating material.
 Highest precision and reliability for testing with millesimal tolerance (Japanese class A).
 Hinged measuring head system.
 Dial gauge not supplied.

Supplied with calibration certificate.



| Code | Range mm | Accuracy µm | Maximum depth mm | No. of keys | Price List Page |
|-------------|-----------|-------------|------------------|-------------|-----------------|
| DA0441835 | 18 + 35 | ± 2 | 50 | 9 | |
| DA0443560 | 35 + 60 | ± 2 | 50 | 6 | |
| DA04450150 | 50 + 150 | ± 2 | 50 | 11 | |
| DA044100160 | 100 + 160 | ± 2 | 50 | 13 | |
| DA044160250 | 160 + 250 | ± 2 | 150 | 6 | |
| DA044250400 | 250 + 400 | ± 2 | 150 | 5 | |

BORE GAUGES FOR BLIND BORES

FEATURES

Tungsten carbide moving probe.
 Interchangeable probe tips with hardened steel ball.
 Dial gauge connection Ø 8 mm.
 Light alloy rod with low expansion.
 Handle made of insulating material.
 Special head allows testing of holes at a distance of 2.5 mm from the bottom.
 Maximum precision and reliability for testing with millesimal tolerance (Japanese class A).
 Maximum precision and repeatability.
 Traditional system with moving probe and slide transmission.
 Dial gauge not supplied.

Supplied with calibration certificate.



| Code | Range mm | Accuracy µm | Maximum depth mm | No. of keys | Price List Page |
|------------|----------|-------------|------------------|-------------|-----------------|
| DA0451835 | 15 + 35 | ± 2 | 150 | 9 | |
| DA0453560 | 35 + 60 | ± 2 | 150 | 6 | |
| DA04550150 | 50 + 150 | ± 2 | 150 | 11 | |

ACCESSORIES FOR RESETTING BORE GAUGES



| Code | Description | Price List Page |
|----------|---|-----------------|
| DC010100 | Bore gauge setting kits from 18 to 100 mm | |
| DC010280 | Bore gauge setting kits from 18 to 280 mm | |
| DC010510 | Bore gauge zeroing kit from 100 to 510 mm | |

FEATURES

Accessories specifically designed for zero-setting of bore gauges.

All components meet the highest market standards and therefore guarantee accurate and safe zero-setting.

CAPITOLO E

SPIRIT LEVELS AND



DIGITAL PRECISION LEVELS WITH BLUETOOTH®

BlueLEVEL



| Code | Range mm/m | Resolution mm/m | Length mm | Price List Page |
|------------|---------------|--------------------|--------------|--------------------|
| EA050110BT | ± 20 | 0,001 | 110 | |
| EA050150BT | ± 20 | 0,001 | 150 | |
| EA050200BT | ± 20 | 0,001 | 200 | |

DIGITAL PRECISION LEVELS WITH BLUETOOTH

CLINOTRONIC S



| Code | Range | Resolution | Version | Price List Page |
|--------------|-------|------------|---------------------|--------------------|
| EA0550055ST | ± 45° | 5" | Standard | |
| EA0550055MAG | ± 45° | 5" | 4-sided magnets | |
| EA0550055M3 | ± 45° | 5" | M3 holes on 4 sides | |

WYLER

FEATURES

Accuracy max. 0.005 mm/m.
Sensitivity 0.001 mm/m.
Wireless functionality for Android™ devices.
Flat base.
Flat ground contacts.
Linearity to DIN2276/2.
Standard batteries 1.5 V type C.
CE-compliant.

FUNCTIONS

- Bluetooth®
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

WYLER

FEATURES

Accuracy 0.055% (> 15").
Wireless functionality for Android™ devices.
High-visibility, low-power, backlit display.
User-friendly with completely redesigned, highly intuitive graphical user interface.
Adjusted to local gravity for highest possible accuracy.
Increased accuracy: 0.04% of measured value minimum 5" (arc seconds).
Extreme versatility, allows measurement of both parallelism and perpendicularity, e.g. vertical rails or presses.

FUNCTIONS

- Bluetooth®
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.

FEATURES

Square design with 4 measuring surfaces.
Version with measuring range $\pm 10^\circ \times 2''$ (arc seconds).
Measurement of large inclination angles.
Inclination measurement of machinery and tool heads.
Slope measurement of roads Anodised aluminium or nickel-plated cast iron construction.
High accuracy due to rugged construction combined with temperature compensation.
Large, easy-to-read colour display with various graphic themes.
The instrument can be set to local gravity.
All instruments are equipped with RS232 interfaces.
Standard 1.5V batteries.
Compliant with CE regulations and all applicable EMC regulations.

FUNCTIONS

- Bluetooth®
- ABS
- Sleep
- Hold
- mm/inch

Supplied with calibration certificate.



FEATURES

Flat base 250 x 55 mm.
Prismatic and magnetic 130° vertical stand, 200 x 55 mm.
Electronic unit: light alloy.
Cast iron square.
RS232 data output.
Magnetic L-base for vertical measurements.
Prismatic 130° base.
Stabilisation speed.
High precision in levelling machine tools and counter tops, straightness, parallelism, and vertical measurements.

Supplied with calibration certificate.



FEATURES

Linear spirit level 150 mm.
Finely ground flat contact surfaces with central discharge.
Hardened steel construction.
High precision and easy to read (pendulum model).
Rest time of only 1-2 seconds.
Battery operation or 220V power supply unit (included).
Three selectable sensitivities: 0.1 mm/m 0.05 mm/m 0.01 mm/m.
Ideal for frequent users such as machine builders, installers and repairers.

Supplied with calibration certificate.

CLINO Frame



| Code | Base mm | Contacts | Version | Price List Page |
|---------------|-----------|-------------------------------|-------------------------|-----------------|
| EA060102STBT | 160 x 160 | 2 Scraped and 2 Ground Plates | Without magnets | |
| EA060102MAGBT | 160 x 160 | 2 Scraped and 2 Ground Plates | With magnets on 2 sides | |

L-TYPE DIGITAL PRECISION SPIRIT LEVEL WITH MAGNETIC BASE



| Code | Range mm/m | Accuracy 17+23°C | Resolution mm/m | kg | Price List Page |
|---------|------------|--------------------|-----------------|-----|-----------------|
| EA03301 | ± 5 | ± 0.85% of reading | 0,001 | 5,5 | |

HIGH-SENSITIVITY SPIRIT LEVEL



| Code | Range mm/m | Accuracy mm/m | Resolution 17 - 23°C | Repeatability mm/m | kg | Price List Page |
|--------|------------------------------------|---------------|------------------------------------|--------------------|-----|-----------------|
| EB085A | I : ± 0,2 II : ± 1 III : ± 2 | ± 0,5 % | I : 0,01 II : 0,05 III : 0,1 | ± 0,005 | 2,9 | |

SQUARE DIGITAL MINI-LEVEL WITH MAGNETIC BASE



| Code | Range | Dimensions mm | Resolution | Accuracy | Repeatability | Price List Page |
|----------|--------|---------------|------------|----------|---------------|-----------------|
| EA070180 | ± 180° | 50 x 50 x 32 | 0,1° | ± 0,20° | ± 10° | |

DIGITAL INCLINOMETER



| Code | Resolution | Dimensions mm | Price List Page |
|---------|------------|---------------|-----------------|
| EA02101 | 0,1° | 150 x 30 x 50 | |

BUBBLE LEVELS

48 Spirit



| Code | Resolution mm/m | Dimensions mm | Price List Page |
|-------------|-----------------|---------------|-----------------|
| EB070002150 | 0,02 | 150 x 150 | |
| EB070005150 | 0,05 | 150 x 150 | |
| EB070010150 | 0,10 | 150 x 150 | |
| EB070030150 | 0,30 | 150 x 150 | |

FEATURES

Hand-held angle testing instrument.
Zeroing in any position.
Supplied with case.

Supplied with calibration certificate.

FEATURES

360° goniometer (4 x 90°) and inclinometer.
On/off button.
Reset to any position.
3V transistor-type battery power supply included.

FUNCTIONS

- Hold

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |

FEATURES

High-precision spirit levels.
Prismatic prismatic angular base; with magnets on vertical side.
For measuring flat or cylindrical surfaces in horizontal and vertical positions, with perfect magnetic adherence to vertical surfaces.
Spirit levels have an insulating handle and are supplied in wooden cases.
Prismatic base, magnets on vertical side.

Supplied with calibration certificate.

SCRAPED SQUARE SPIRIT LEVEL SENSITIVITY 0.02 MM/M

FEATURES

Four right-angled support surfaces, two of which are flat and two with V-grooves for checking flat and cylindrical, horizontal and vertical surfaces. Handle for thermal insulation and vial protection.

Supplied with calibration certificate.



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|-----------|------------------|-----------------|
| EB040150 | 150 | 0,02 | |
| EB040200 | 200 | 0,02 | |

RECTIFIED SQUARE SPIRIT LEVEL SENSITIVITY 0.02 MM/M

FEATURES

Four right-angled support surfaces, two of which are flat and two with V-grooves for checking flat and cylindrical, horizontal and vertical surfaces. Handle for thermal insulation and vial protection.

Supplied with calibration certificate.



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|-----------|------------------|-----------------|
| EB045150 | 150 | 0,02 | |
| EB045200 | 200 | 0,02 | |
| EB045250 | 250 | 0,02 | |

RECTIFIED SQUARE SPIRIT LEVEL SENSITIVITY 0.05 MM/M

FEATURES

Four right-angled support surfaces, two of which are flat and two with V-grooves for checking flat and cylindrical, horizontal and vertical surfaces. Handle for thermal insulation and vial protection.

Supplied with calibration certificate.



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|-----------|------------------|-----------------|
| EB050100 | 100 | 0,05 | |
| EB050150 | 150 | 0,05 | |
| EB050200 | 200 | 0,05 | |
| EB050250 | 250 | 0,05 | |

LINEAR SPIRIT LEVEL



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|--------------|---------------------|--------------------|
| EB035150 | 150 | 0,02 | |
| EB035200 | 200 | 0,02 | |
| EB035300 | 300 | 0,02 | |

SCRAPED LINEAR SPIRIT LEVEL SENSITIVITY 0.02 MM/M



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|--------------|---------------------|--------------------|
| EB051150 | 150 | 0,02 | |
| EB051200 | 200 | 0,02 | |
| EB051250 | 250 | 0,02 | |

RECTIFIED LINEAR SPIRIT LEVEL SENSITIVITY 0.02 MM/M



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|--------------|---------------------|--------------------|
| EB055150 | 150 | 0,02 | |
| EB055200 | 200 | 0,02 | |
| EB055250 | 250 | 0,02 | |
| EB055300 | 300 | 0,02 | |

FEATURES

Constructed of chrome-nickel cast iron with reinforcing ribs.
Ground surfaces.
Flat base with V-groove.
With serial number.
Built to DIN877.
The vial is visible from above and from the side.

Supplied with calibration certificate.

FEATURES

Base with V-groove, for checking flat and cylindrical surfaces.

Supplied with calibration certificate.

FEATURES

Base with V-groove, for checking flat and cylindrical surfaces.

Supplied with calibration certificate.

RECTIFIED LINEAR SPIRIT LEVEL SENSITIVITY 0.05 MM/M

FEATURES

Base with V-groove, for checking flat and cylindrical surfaces.

Supplied with calibration certificate.



| Code | Length mm | Sensitivity mm/m | Price List Page |
|----------|-----------|------------------|-----------------|
| EB060100 | 100 | 0,05 | |
| EB060150 | 150 | 0,05 | |
| EB060200 | 200 | 0,05 | |
| EB060250 | 250 | 0,05 | |
| EB060300 | 300 | 0,05 | |

WYLER

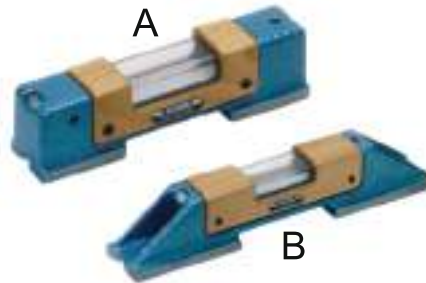
SCRAPED SPIRIT LEVELS SENSITIVITY 0.02 MM/M

FEATURES

High-precision spirit levels.
Scraped prismatic base; without magnets.
For measurements on flat and cylindrical surfaces in a horizontal position.
Spirit levels have an insulating handle, external bubble protection and are supplied in wooden cases.
Horizontal base.

Supplied with calibration certificate.

SS Spirit



| Code | Sensitivity mm/m | Form | Base mm | Price List Page |
|-------------|------------------|------|---------|-----------------|
| EB075002100 | 0,02 | A | 100 | |
| EB075002150 | 0,02 | A | 150 | |
| EB075002200 | 0,02 | B | 200 | |
| EB075002300 | 0,02 | B | 300 | |

WYLER

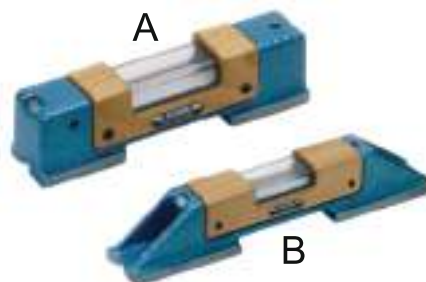
SCRAPED SPIRIT LEVELS SENSITIVITY 0.05 MM/M

FEATURES

High-precision spirit levels.
Scraped prismatic base; without magnets.
For measurements on flat and cylindrical surfaces in a horizontal position.
Spirit levels have an insulating handle, external bubble protection and are supplied in wooden cases.
Horizontal base.

Supplied with calibration certificate.

SS Spirit



| Code | Sensitivity mm/m | Form | Base mm | Price List Page |
|-------------|------------------|------|---------|-----------------|
| EB076005100 | 0,05 | A | 100 | |
| EB076005150 | 0,05 | A | 150 | |
| EB076005200 | 0,05 | B | 200 | |
| EB076005300 | 0,05 | B | 300 | |

DIGITAL GONIOMETER MADE OF STAINLESS MATERIAL



| Code | Range | Resolution | Moving blade mm | Price List Page |
|----------|-----------|-------------|-----------------|-----------------|
| EA012300 | 0° ± 360° | 1' - 1/100° | 150 - 300 | |

IP54 DIGITAL GONIOMETER WITH BLUETOOTH



| Code | Range | Accuracy | Resolution | Rotation speed | Price List Page |
|------------|--------------------------|--|---|----------------|-----------------|
| EA009200BT | 1x360°, 2x180°, 4x90° | 4 arcminutes / 0.06° / 0.01° / 1 arcminute (0°01') / 0.0012 rad | 0.01° / 1 arcminute (0°01') / 0.0001 rad | 0,01° | 1080°/sec |

FEATURES

Hardened scales.
Accuracy ± 2'.
Supplied with 150 mm and 300 mm moving scales.

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02003 |
| 3V CR2025 battery |



FEATURES

Resolution 0.01°.
Accuracy ±0.06°.
Protection IP54.
Electronics protected against dust and splash water.
Display modes in degrees, minutes of arc and radians.
Including 200 mm scale.
Optional 300 mm and 500 mm scales.

FUNCTIONS

- Bluetooth®
- Preset
- Tolerances
- Sleep
- min/max
- mm/inch

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------|
| ACC02001 |
| 3V CR2032 battery |
| BC076BLE |
| Bluetooth device |

UNIVERSAL RATCHET

FEATURES

Constructed entirely of hardened stainless steel.
4 x 90° graduation, accuracy ± 1'.

1° reading on the nonius in the centre of the instrument.

Magnifying glass, and 1'(1/60°) on the nonius of the micrometer.

Patented system of automatic unblocking-unblocking of the rotation, with simple pressure on the micrometer.

Patented system of unblocking-unblocking of the movable scale supplied with 90° stainless steel recognition square, 1 x 150 mm scale and 1 x 300 mm scale.

An instrument of extraordinary precision, practicality, simplicity and reliability.

Can be considered the most accurate mechanical goniometer on the market.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------------------|
| EB010SQ |
| Small angle square |
| EB010AT |
| Surface gauge attachment |
| EB010PD |
| Pedestal |



| Code | Range | Resolution | Fixed line mm | Price List Page |
|-----------------|----------|------------|---------------|-----------------|
| EB020360 | 0 ÷ 360° | 1' | 85 | |

RAPPORTOR WITH LENS

FEATURES

Hardened stainless steel construction.

Satin-finished readout scale without parallax error.

Small micrometric shift.

Large lens.

4 x 90° division.

High precision and versatility ratio.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------------------|
| EB010SQ |
| Small angle square |
| EB010R150 |
| 150 mm rule |
| EB010AT |
| Surface gauge attachment |
| EB010PD |
| Pedestal |



| Code | Range | Resolution | Fixed line mm | Movable blade mm | Price List Page |
|-----------------|----------|------------|---------------|------------------|-----------------|
| EB010300 | 0 ÷ 360° | 5' | 85 | 300 | |

RAPPORTOR WITH LENS



| Code | Range | Resolution | Fixed line mm | Movable rule mm | Price List Page |
|----------|----------|------------|---------------|-----------------|-----------------|
| EB022300 | 0 - 360° | 5' | 100 | 200 - 300 | |

FEATURES

Hardened stainless steel construction.
Economical, high-precision scale.
Parallax error-free reading scale.

Supplied with calibration certificate.

TOOL SETTER



| Code | Readout mm | Stroke mm | Zeroing mm | Price List Page |
|----------|------------|-----------|------------|-----------------|
| HA20050 | 0,01 | 5 | 50 | |
| HA200100 | 0,01 | 5 | 100 | |


FEATURES

Durable aluminium structure.
Hardened ground steel plate.
Magnetic support base for use also horizontal.
Tolerance on zeroing height: ± 0.005 mm.
Fast and precise tool for zeroing tools on traditional and CNC machines.
Once the zeroer is positioned on the machine table, approach it with the tool and press down on the plate until the set zeroing height is reached.

Supplied with calibration certificate.

BARRASENI



| Code | Width mm | Parallelism mm | Cylinder distance mm | Accuracy mm |  kg | Price List Page |
|----------|----------|----------------|----------------------|-------------|--|-----------------|
| EB100100 | 25 | 0,002 | 100 | $\pm 0,002$ | 0,750 | |

FEATURES

Hardened steel construction.
Hardness 60 HRC.
Lapped striking surfaces.
Flatness accuracy ± 0.001 mm.
Cylinder centre distance accuracy ± 0.005 mm.

Supplied with calibration certificate.

PRECISION STEEL VICE

FEATURES

Precision steel vice for accurate measurements and machine operations.

Prism, in the moving section of the instrument, ground both vertically and horizontally.



| Code | Length mm | Opening mm | Width mm | Height mm | kg | Price List Page |
|----------|-----------|------------|----------|-----------|-----|-----------------|
| EB10565 | 65 | 25 | 25 | 10 | 0,3 | |
| EB105100 | 100 | 40 | 36 | 20 | 1 | |
| EB105140 | 140 | 65 | 50 | 25 | 2 | |
| EB105175 | 175 | 85 | 63 | 32 | 4,1 | |
| EB105245 | 245 | 125 | 100 | 45 | 10 | |
| EB105285 | 285 | 160 | 125 | 50 | 21 | |
| EB105330 | 330 | 200 | 150 | 50 | 20 | |

PRECISION STEEL VICE

FEATURES

Precision steel vice for accurate measurements and machine operations.

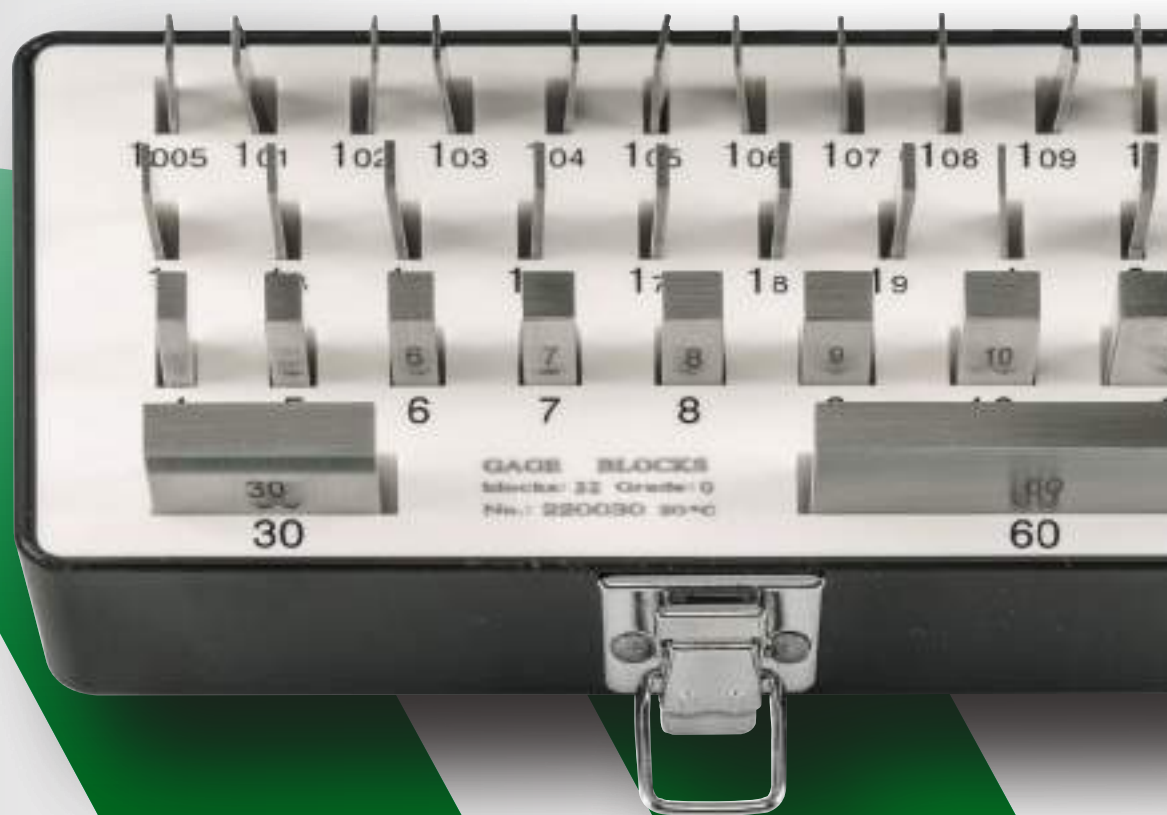
Prism, in the moving section of the instrument, ground both vertically and horizontally.



| Code | Length mm | Opening mm | Width mm | Height mm | kg | Price List Page |
|-----------|-----------|------------|----------|-----------|-----|-----------------|
| EB110155 | 155 | 65 | 50 | 25 | 3 | |
| EB110190 | 190 | 85 | 63 | 32 | 3,8 | |
| EB110210 | 210 | 100 | 73 | 35 | 5 | |
| EB110250A | 250 | 125 | 88 | 40 | 11 | |
| EB110250B | 250 | 125 | 100 | 45 | 13 | |

CAPITOLO F

BLOCKS AND PADS



CERAMIC FLAT-PARALLEL STRIKER BLOCKS



FEATURES

Excellent abrasion resistance, with up to 10 times less wear than hardened steel.
 Excellent corrosion resistance.
 Low thermal conductivity.
 Very high dimensional stability.
 Hand-lapped measuring surfaces.
 Each block is identified by a serial number.
 Dimensional tolerances in accordance with DIN 861, ISO 3650 and BS 4311.
 Thanks to a unique molecular transformation process, ceramic zircon offers a mechanical resistance that preserves its integrity in the event of an accidental drop.
 Available in a fine wood box or as a single piece, always accompanied by a UKAS Class C calibration certificate on 5 points.

Supplied with calibration certificate.

| Code | Grade | Pcs per size | Dimensions mm | Progression mm | Price List Page |
|-----------|-------|---|---|--|-----------------|
| FA10010K | K | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA100100 | 0 | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA100101 | 1 | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA10011K | K | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA100110 | 0 | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA100111 | 1 | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA100112K | K | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA1001120 | 0 | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA1001121 | 1 | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA100122K | K | 1 9 49 49 4 6 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 1,1 ~ 1,9 10 ~ 100 25 ~ 100 | - 0,001 0,01 0,5 0,1 10 25 | |
| FA100411 | 1 | 9 9 9 9 1 1 1 1 1 | 1,001 ~ 1,009 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 9 10 20 30 60 100 | 0,001 0,01 0,1 1 - - - - - | |
| FA10047K | K | 1 9 9 24 4 | 1,005 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 24 25 ~ 100 | - 0,01 0,1 1 25 | |
| FA100470 | 0 | 1 9 9 24 4 | 1,005 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 24 25 ~ 100 | - 0,01 0,1 1 25 | |
| FA100471 | 1 | 1 9 9 24 4 | 1,005 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 24 25 ~ 100 | - 0,01 0,1 1 25 | |

FEATURES

Excellent abrasion resistance, with up to 10 times less wear than hardened steel.
 Excellent corrosion resistance.
 Low thermal conductivity.
 Very high dimensional stability.
 Hand-lapped measuring surfaces.
 Each block is identified by a serial number.
 Dimensional tolerances in accordance with DIN 861, ISO 3650 and BS 4311.
 Thanks to a unique molecular transformation process, ceramic zircon offers a mechanical resistance that preserves its integrity in the event of an accidental drop.
 Available in a fine wood box or as a single piece, always accompanied by a UKAS Class C calibration certificate on 5 points.



| Code | Grade | Pcs per size | Dimensions mm | Progression mm | Price List Page |
|-----------|-------|--------------|---------------|----------------|-----------------|
| FA10087K | K | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| FA100870 | 0 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| FA100871 | 1 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| FA1001220 | 0 | 1 | 1,0005 | -0,001 | |
| | | 9 | 1,001 ~ 1,009 | 0,01 | |
| | | 49 | 1,01 ~ 1,49 | 0,5 | |
| | | 49 | 0,5 ~ 24,5 | 0,1 | |
| | | 4 | 1,1 ~ 1,9 | 10 | |
| | | 6 | 10 ~ 100 | 25 | |
| FA1001221 | 1 | 1 | 1,0005 | -0,001 | |
| | | 9 | 1,001 ~ 1,009 | 0,01 | |
| | | 49 | 1,01 ~ 1,49 | 0,5 | |
| | | 49 | 0,5 ~ 24,5 | 0,1 | |
| | | 4 | 1,1 ~ 1,9 | 10 | |
| | | 6 | 10 ~ 100 | 25 | |
| FA10032K | K | 1 | 1,005 | - | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 3 | 10 ~ 30 | 10 | |
| FA100320 | 0 | 1 | 1,005 | - | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 3 | 10 ~ 30 | 10 | |
| FA100321 | 1 | 1 | 1,005 | - | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 3 | 10 ~ 30 | 10 | |
| FA10041K | K | 1 | 1,001 ~ 1,009 | 0,001 | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 1 | 10 | - | |
| | | 1 | 20 | - | |
| | | 1 | 30 | - | |
| | | 1 | 60 | - | |
| FA100410 | 0 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 1 | 10 | - | |
| | | 1 | 20 | - | |
| | | 1 | 30 | - | |
| | | 1 | 60 | - | |
| FA100410 | 0 | 1 | 100 | - | |

TUNGSTEN CARBIDE FLAT-PARALLEL STRIKER BLOCKS



| Code | Grade | Pcs per size | Dimensions mm | Progression mm | Price List Page |
|-----------|-------|-----------------------------------|---|--|-----------------|
| FA11010K | K | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA110100 | 0 | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA110101 | 1 | 1 | 2,5 - 5,1 - 7,7 10,3 - 12,9 15 - 17,6 20,2 - 22,8 - 25 | - | |
| FA11011K | K | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA110110 | 0 | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA110111 | 1 | 1 | 3,1 - 6,5 - 9,7 12,5 - 15,8 19 - 21,9 25 - 50 75 - 100 | - | |
| FA110112K | K | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA1101120 | 0 | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA1101121 | 1 | 1 9 49 49 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 25 ~ 100 | - 0,001 0,01 0,5 25 | |
| FA110122K | K | 1 9 49 49 4 6 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 1,1 ~ 1,9 10 ~ 100 25 ~ 100 | - 0,001 0,01 0,5 0,1 10 25 | |
| FA1101220 | 0 | 1 9 49 49 4 6 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 1,1 ~ 1,9 10 ~ 100 25 ~ 100 | - 0,001 0,01 0,5 0,1 10 25 | |
| FA1101221 | 1 | 1 9 49 49 4 6 4 | 1,0005 1,001 ~ 1,009 1,01 ~ 1,49 0,5 ~ 24,5 1,1 ~ 1,9 10 ~ 100 25 ~ 100 | - 0,001 0,01 0,5 0,1 10 25 | |
| FA11032K | K | 1 9 9 3 1 | 1,005 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 9 10 ~ 30 60 | - 0,01 0,1 1 10 - | |
| FA110320 | 0 | 1 9 9 9 3 1 | 1,005 1,01 ~ 1,09 1,1 ~ 1,9 1 ~ 9 10 ~ 30 60 | - 0,01 0,1 1 10 - | |



FEATURES

Excellent dimensional stability, accuracy and durability.

Each block is carefully selected from materials with a hardness of at least 1500 HV for unlimited durability.

Good corrosion resistance allows protective products such as Vaseline or oil to be avoided, for immediate use without prior cleaning.

Each block is identified by a serial number.

The block surfaces are rigorously checked using laser interferometers for flatness.

Blocks can be supplied as a set or individually.

Special dimensions up to 100 mm can be supplied on request.

Supplied with calibration certificate.

FEATURES

Excellent dimensional stability, accuracy and durability.

Each block is carefully selected from materials with a hardness of at least 1500 HV for unlimited durability.

Good corrosion resistance allows protective products such as Vaseline or oil to be avoided, for immediate use without prior cleaning.

Each block is identified by a serial number.

The block surfaces are rigorously checked using laser interferometers for flatness.

Blocks can be supplied as a set or individually.

Special dimensions up to 100 mm can be supplied on request.



| Code | Grade | Pcs per size | Dimensions mm | Progression mm | Price List Page |
|----------|-------|--------------|---------------|----------------|-----------------|
| FA110321 | 1 | 1 | 1,005 | - | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 3 | 10 ~ 30 | 10 | |
| | | 1 | 60 | - | |
| FA11041K | K | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 1 | 10 | - | |
| | | 1 | 20 | - | |
| | | 1 | 30 | - | |
| | | 1 | 60 | - | |
| 1 | 100 | - | | | |
| FA110410 | 0 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 1 | 10 | - | |
| | | 1 | 20 | - | |
| | | 1 | 30 | - | |
| | | 1 | 60 | - | |
| 1 | 100 | - | | | |
| FA110411 | 1 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | 9 | 1 ~ 9 | 1 | |
| | | 1 | 10 | - | |
| | | 1 | 20 | - | |
| | | 1 | 30 | - | |
| | | 1 | 60 | - | |
| 1 | 100 | - | | | |
| FA11047K | K | 1 | 1,005 | -0,01 | |
| | | 9 | 1,01 ~ 1,09 | 0,1 | |
| | | 9 | 1,1 ~ 1,9 | 1 | |
| | | 24 | 1 ~ 24 | 25 | |
| | | 4 | 25 ~ 100 | - | |
| FA110470 | 0 | 1 | 1,005 | -0,01 | |
| | | 9 | 1,01 ~ 1,09 | 0,1 | |
| | | 9 | 1,1 ~ 1,9 | 1 | |
| | | 24 | 1 ~ 24 | 25 | |
| | | 4 | 25 ~ 100 | - | |
| FA110471 | 1 | 1 | 1,005 | -0,01 | |
| | | 9 | 1,01 ~ 1,09 | 0,1 | |
| | | 9 | 1,1 ~ 1,9 | 1 | |
| | | 24 | 1 ~ 24 | 25 | |
| | | 4 | 25 ~ 100 | - | |
| FA11087K | K | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| FA110870 | 0 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| | | | | | |
| FA110871 | 1 | 9 | 1,001 ~ 1,009 | 0,001 | |
| | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | 10 | 10 ~ 100 | 10 | |
| | | | | | |

GRADE 0 STEEL SINGLE STRIKER BLOCK



FEATURES

Conforms to ISO 3650/0 DIN 861.
 Cross-section: 30x9 mm up to 10.0 mm.
 Cross-section: 35x9 mm from 10.5 mm.

Supplied with calibration certificate.

| Code | Range mm | Price List Page |
|-------------|----------|-----------------|
| FA00405 | 0,50 | |
| FA004010 | 1,0 | |
| FA004010005 | 1,0005 | |
| FA00401001 | 1,001 | |
| FA00401002 | 1,002 | |
| FA00401003 | 1,003 | |
| FA00401004 | 1,004 | |
| FA00401005 | 1,005 | |
| FA00401006 | 1,006 | |
| FA00401007 | 1,007 | |
| FA00401008 | 1,008 | |
| FA00401009 | 1,009 | |
| FA0040101 | 1,01 | |
| FA0040102 | 1,02 | |
| FA0040103 | 1,03 | |
| FA0040104 | 1,04 | |
| FA0040105 | 1,05 | |
| FA0040106 | 1,06 | |
| FA0040107 | 1,07 | |
| FA0040108 | 1,08 | |
| FA0040109 | 1,09 | |
| FA0040110 | 1,10 | |
| FA0040111 | 1,11 | |
| FA0040112 | 1,12 | |
| FA0040113 | 1,13 | |
| FA0040114 | 1,14 | |
| FA0040115 | 1,15 | |
| FA0040116 | 1,16 | |
| FA0040117 | 1,17 | |
| FA0040118 | 1,18 | |
| FA0040119 | 1,19 | |
| FA0040120 | 1,20 | |
| FA0040121 | 1,21 | |
| FA0040122 | 1,22 | |
| FA0040123 | 1,23 | |
| FA0040124 | 1,24 | |
| FA0040125 | 1,25 | |
| FA0040126 | 1,26 | |
| FA0040127 | 1,27 | |
| FA0040128 | 1,28 | |
| FA0040129 | 1,29 | |
| FA0040130 | 1,30 | |
| FA0040131 | 1,31 | |
| FA0040132 | 1,32 | |
| FA0040133 | 1,33 | |
| FA0040134 | 1,34 | |
| FA0040135 | 1,35 | |
| FA0040136 | 1,36 | |
| FA0040137 | 1,37 | |
| FA0040138 | 1,38 | |
| FA0040139 | 1,39 | |
| FA0040140 | 1,40 | |
| FA0040141 | 1,41 | |
| FA0040142 | 1,42 | |
| FA0040143 | 1,43 | |
| FA0040144 | 1,44 | |
| FA0040145 | 1,45 | |
| FA0040146 | 1,46 | |
| FA0040147 | 1,47 | |
| FA0040148 | 1,48 | |
| FA0040149 | 1,49 | |
| FA0040150 | 1,5 | |
| FA004016 | 1,6 | |
| FA004017 | 1,7 | |
| FA004018 | 1,8 | |
| FA004019 | 1,9 | |
| FA004020 | 2,0 | |
| FA004025 | 2,5 | |

| Code | Range mm | Price List Page |
|------------|----------|-----------------|
| FA004030 | 3,0 | |
| FA004035 | 3,5 | |
| FA004040 | 4,0 | |
| FA004045 | 4,5 | |
| FA004050 | 5,0 | |
| FA004055 | 5,5 | |
| FA004060 | 6,0 | |
| FA004065 | 6,5 | |
| FA004070 | 7,0 | |
| FA004075 | 7,5 | |
| FA004080 | 8,0 | |
| FA004085 | 8,5 | |
| FA004090 | 9,0 | |
| FA004095 | 9,5 | |
| FA004100 | 10,0 | |
| FA004105 | 10,5 | |
| FA004110 | 11,0 | |
| FA004115 | 11,5 | |
| FA004120 | 12,0 | |
| FA004125 | 12,5 | |
| FA004130 | 13,0 | |
| FA004135 | 13,5 | |
| FA004140 | 14,0 | |
| FA004145 | 14,5 | |
| FA004150 | 15,0 | |
| FA004155 | 15,5 | |
| FA004160 | 16,0 | |
| FA004165 | 16,5 | |
| FA004170 | 17,0 | |
| FA004175 | 17,5 | |
| FA004180 | 18,0 | |
| FA004185 | 18,5 | |
| FA004190 | 19,0 | |
| FA004195 | 19,5 | |
| FA004200 | 20,0 | |
| FA004205 | 20,5 | |
| FA004210 | 21,0 | |
| FA004215 | 21,5 | |
| FA004220 | 22,0 | |
| FA004225 | 22,5 | |
| FA004230 | 23,0 | |
| FA004235 | 23,5 | |
| FA004240 | 24,0 | |
| FA004245 | 24,5 | |
| FA004250 | 25,0 | |
| FA004300 | 30,0 | |
| FA004400 | 40,0 | |
| FA004500 | 50,0 | |
| FA004600 | 60,0 | |
| FA004700 | 70,0 | |
| FA004750 | 75,0 | |
| FA004800 | 80,0 | |
| FA004900 | 90,0 | |
| FA0041000 | 100,0 | |
| FA0041250 | 125,0 | |
| FA0041500 | 150,0 | |
| FA0041750 | 175,0 | |
| FA0042000 | 200,0 | |
| FA0042500 | 250,0 | |
| FA0043000 | 300,0 | |
| FA0044000 | 400,0 | |
| FA0045000 | 500,0 | |
| FA0046000 | 600,0 | |
| FA0047000 | 700,0 | |
| FA0048000 | 800,0 | |
| FA0049000 | 900,0 | |
| FA00410000 | 1000,0 | |

FEATURES

Conforms to ISO 3650/1 DIN 861.
 Cross-section: 30x9 mm up to 10.0 mm.
 Cross-section: 35x9 mm from 10.5 mm.

Supplied with calibration certificate.



| Code | Range mm | Price List Page |
|-------------|----------|-----------------|
| FA00505 | 0,50 | |
| FA005010 | 1,00 | |
| FA005010005 | 1,0005 | |
| FA00501001 | 1,001 | |
| FA00501002 | 1,002 | |
| FA00501003 | 1,003 | |
| FA00501004 | 1,004 | |
| FA00501005 | 1,005 | |
| FA00501006 | 1,006 | |
| FA00501007 | 1,007 | |
| FA00501008 | 1,008 | |
| FA00501009 | 1,009 | |
| FA0050101 | 1,01 | |
| FA0050102 | 1,02 | |
| FA0050103 | 1,03 | |
| FA0050104 | 1,04 | |
| FA0050105 | 1,05 | |
| FA0050106 | 1,06 | |
| FA0050107 | 1,07 | |
| FA0050108 | 1,08 | |
| FA0050109 | 1,09 | |
| FA0050110 | 1,10 | |
| FA0050111 | 1,11 | |
| FA0050112 | 1,12 | |
| FA0050113 | 1,13 | |
| FA0050114 | 1,14 | |
| FA0050115 | 1,15 | |
| FA0050116 | 1,16 | |
| FA0050117 | 1,17 | |
| FA0050118 | 1,18 | |
| FA0050119 | 1,19 | |
| FA0050120 | 1,20 | |
| FA0050121 | 1,21 | |
| FA0050122 | 1,22 | |
| FA0050123 | 1,23 | |
| FA0050124 | 1,24 | |
| FA0050125 | 1,25 | |
| FA0050126 | 1,26 | |
| FA0050127 | 1,27 | |
| FA0050128 | 1,28 | |
| FA0050129 | 1,29 | |
| FA0050130 | 1,30 | |
| FA0050131 | 1,31 | |
| FA0050132 | 1,32 | |
| FA0050133 | 1,33 | |
| FA0050134 | 1,34 | |
| FA0050135 | 1,35 | |
| FA0050136 | 1,36 | |
| FA0050137 | 1,37 | |
| FA0050138 | 1,38 | |
| FA0050139 | 1,39 | |
| FA0050140 | 1,40 | |
| FA0050141 | 1,41 | |
| FA0050142 | 1,42 | |
| FA0050143 | 1,43 | |
| FA0050144 | 1,44 | |
| FA0050145 | 1,45 | |
| FA0050146 | 1,46 | |
| FA0050147 | 1,47 | |
| FA0050148 | 1,48 | |
| FA0050149 | 1,49 | |
| FA0050150 | 1,50 | |
| FA005016 | 1,60 | |
| FA005017 | 1,70 | |
| FA005018 | 1,80 | |
| FA005019 | 1,90 | |
| FA005020 | 2,00 | |
| FA005025 | 2,50 | |

| Code | Range mm | Price List Page |
|------------|----------|-----------------|
| FA005030 | 3,00 | |
| FA005035 | 3,50 | |
| FA005040 | 4,00 | |
| FA005045 | 4,50 | |
| FA005050 | 5,00 | |
| FA005055 | 5,50 | |
| FA005060 | 6,00 | |
| FA005065 | 6,50 | |
| FA005070 | 7,00 | |
| FA005075 | 7,50 | |
| FA005080 | 8,00 | |
| FA005085 | 8,50 | |
| FA005090 | 9,00 | |
| FA005095 | 9,50 | |
| FA005100 | 10,0 | |
| FA005105 | 10,5 | |
| FA005110 | 11,0 | |
| FA005115 | 11,5 | |
| FA005120 | 12,0 | |
| FA005125 | 12,5 | |
| FA005130 | 13,0 | |
| FA005135 | 13,5 | |
| FA005140 | 14,0 | |
| FA005145 | 14,5 | |
| FA005150 | 15,0 | |
| FA005155 | 15,5 | |
| FA005160 | 16,0 | |
| FA005165 | 16,5 | |
| FA005170 | 17,0 | |
| FA005175 | 17,5 | |
| FA005180 | 18,0 | |
| FA005185 | 18,5 | |
| FA005190 | 19,0 | |
| FA005195 | 19,5 | |
| FA005200 | 20,0 | |
| FA005205 | 20,5 | |
| FA005210 | 21,0 | |
| FA005215 | 21,5 | |
| FA005220 | 22,0 | |
| FA005225 | 22,5 | |
| FA005230 | 23,0 | |
| FA005235 | 23,5 | |
| FA005240 | 24,0 | |
| FA005245 | 24,5 | |
| FA005250 | 25,0 | |
| FA005300 | 30,0 | |
| FA005400 | 40,0 | |
| FA005500 | 50,0 | |
| FA005600 | 60,0 | |
| FA005700 | 70,0 | |
| FA005750 | 75,0 | |
| FA005800 | 80,0 | |
| FA005900 | 90,0 | |
| FA0051000 | 100,0 | |
| FA0051250 | 125,0 | |
| FA0051500 | 150,0 | |
| FA0051750 | 175,0 | |
| FA0052000 | 200,0 | |
| FA0052500 | 250,0 | |
| FA0053000 | 300,0 | |
| FA0054000 | 400,0 | |
| FA0055000 | 500,0 | |
| FA0056000 | 600,0 | |
| FA0057000 | 700,0 | |
| FA0058000 | 800,0 | |
| FA0059000 | 900,0 | |
| FA00510000 | 1000,0 | |

SET OF STEEL STRIKER BLOCKS



FEATURES

Conforms to ISO 3650 DIN 861.

Supplied with calibration certificate.

| Code | Classes | Pieces | Set pcs. | Dimensions mm | Progression mm | Price List Page |
|-----------|---------|--------|----------|---------------|----------------|-----------------|
| FA010320 | 0 | 32 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 9 | 1 ~ 9 | 1 | |
| | | | 3 | 10 ~ 30 | 10 | |
| | | | 1 | 60 | - | |
| FA010321 | 1 | 32 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 9 | 1 ~ 9 | 1 | |
| | | | 3 | 10 ~ 30 | 10 | |
| | | | 1 | 60 | - | |
| FA010322 | 2 | 32 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 9 | 1 ~ 9 | 1 | |
| | | | 3 | 10 ~ 30 | 10 | |
| | | | 1 | 60 | - | |
| FA010470 | 0 | 47 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 24 | 1 ~ 24 | 1 | |
| | | | 4 | 25 ~ 100 | 25 | |
| FA010471 | 1 | 47 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 24 | 1 ~ 24 | 1 | |
| | | | 4 | 25 ~ 100 | 25 | |
| FA010472 | 2 | 47 | 1 | 1,005 | - | |
| | | | 9 | 1,01 ~ 1,09 | 0,01 | |
| | | | 9 | 1,1 ~ 1,9 | 0,1 | |
| | | | 24 | 1 ~ 24 | 1 | |
| | | | 4 | 25 ~ 100 | 25 | |
| FA010870 | 0 | 87 | 9 | 1,001~1,009 | 0,001 | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | | 10 | 10 ~ 100 | 10 | |
| FA010871 | 1 | 87 | 9 | 1,001~1,009 | 0,001 | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | | 10 | 10 ~ 100 | 10 | |
| FA010872 | 2 | 87 | 9 | 1,001~1,009 | 0,001 | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 19 | 0,5 ~ 9,5 | 0,5 | |
| | | | 10 | 10 ~ 100 | 10 | |
| FA0101030 | 0 | 103 | 1 | 1,005 | - | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 49 | 0,5 ~ 24,5 | 0,5 | |
| | | | 4 | 25 ~ 100 | 25 | |
| FA0101031 | 1 | 103 | 1 | 1,005 | - | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 49 | 0,5 ~ 24,5 | 0,5 | |
| | | | 4 | 25 ~ 100 | 25 | |
| FA0101032 | 2 | 103 | 1 | 1,005 | - | |
| | | | 49 | 1,01 ~ 1,49 | 0,01 | |
| | | | 49 | 0,5 ~ 24,5 | 0,5 | |
| | | | 4 | 25 ~ 100 | 25 | |

SET OF LARGE STEEL STRIKER BLOCKS

FEATURES

Accuracy class ISO 3650/0.
All blocks have two mating holes at the ends for clamping with a clamp.
Hardness: 63 HRC.
Cross-section: 35 x 9 mm.
Supplied in wooden box with manufacturer's test certificate.

Supplied with calibration certificate.



| Code | Pieces | Dimensions mm | Grade | Price List Page |
|--------|--------|---|-------|--------------------|
| FA0508 | 8 | 125 - 150 - 175 - 200 - 250 - 300 - 400 - 500 | 1 | |

SET OF STEEL STRIKER BLOCKS FOR MICROMETERS

FEATURES

Suitable for checking outdoor micrometers from 0-25 mm up to 175-200 mm.

Supplied with calibration certificate.



| Code | Pieces | Dimensions mm | Grade | Price List Page |
|---------|--------|--|-------|--------------------|
| FA09510 | 10 | 2,5 - 5,1 - 7,7 - 10,3 - 12,9 15,0 - 17,6 - 20,2 - 22,8 - 25 | 1 | |

ANGULAR STRIKER BLOCKS

FEATURES

Precision grade DIN 861/1.

Supplied with calibration certificate.



| Code | Pieces | Angle size | Price List Page |
|--------|--------|---|--------------------|
| FA0907 | 7 | 15° 10' - 30° 20' - 45° 30' - 50° 0' - 60° 40' - 75° 50' - 90° 0' | |

COMPACTORS FOR STRIKER BLOCKS



| Code | Measuring range mm | kg | Price List Page |
|-----------|--------------------|-----|-----------------|
| FA13050 | 0 ÷ 50 | 0,2 | |
| FA130100 | 0 ÷ 100 | 0,3 | |
| FA130200 | 0 ÷ 200 | 0,4 | |
| FA130300 | 0 ÷ 300 | 0,5 | |
| FA130400 | 200 ÷ 400 | 0,6 | |
| FA130500 | 300 ÷ 500 | 0,7 | |
| FA130600 | 400 ÷ 600 | 0,8 | |
| FA130800 | 500 ÷ 800 | 1,0 | |
| FA1301000 | 800 ÷ 1000 | 1,2 | |
| FA1301200 | 1000 ÷ 1200 | 1,4 | |
| FA1301500 | 1300 ÷ 1500 | 1,6 | |
| FA1302000 | 1800 ÷ 2000 | 1,8 | |

FEATURES

High-precision compactors.
For coupling two or more striker blocks.
Micrometric clamping.

ACCESSORIES FOR COMPACTORS



| Code | Nominal size Ø mm | Maximum depth mm | kg | Price List Page |
|---------|-------------------|------------------|------|-----------------|
| FA1254 | 4 | 8 | 0,03 | |
| FA12510 | 10 | 15 | 0,05 | |
| FA12516 | 16 | 20 | 0,07 | |
| FA12520 | 20 | 40 | 0,10 | |
| FA12530 | 30 | 65 | 0,20 | |
| FA12540 | 40 | 95 | 0,35 | |

FEATURES

Suitable for the entire FA130 range of compactors.
Sold in pairs.

ACCESSORIES FOR COMPACTORS



| Code | Description | Length mm | Height mm | Price List Page |
|--------|-------------------------|-----------|-----------|-----------------|
| FA1271 | Pair of control tips | - | - | |
| FA1272 | Tracing bit | - | - | |
| FA1273 | Centre drill | - | - | |
| FA1274 | Flat jaws | 100 | 20 | |
| FA1275 | Flat jaws | 125 | 20 | |
| FA1276 | Plane-parallel jaws | 100 | 20 | |
| FA1277 | Plane-parallel jaws | 125 | 20 | |
| FA1278 | Pair of wedge nose pins | 55 | - | |
| FA1279 | Base for compactors | - | - | |

FEATURES

Wide range of accessories for the FA130 series of compactors.

ACCESSORIES FOR RESETTING BORE GAUGES

FEATURES

Contacts suitable for setting bore gauges with different measuring ranges.
Suitable for FA130 range of compactors.



| Code | Description | Price List Page |
|---------|--------------------------------|-----------------|
| FA12910 | Universal upper contacts | |
| FA12911 | Lower contacts bore 18-35 mm | |
| FA12912 | Lower contacts bore 35-100 mm | |
| FA12913 | Lower contacts bore 100-280 mm | |
| FA12914 | Lower contacts bore 280-510 mm | |

ACCESSORIES FOR RESETTING BORE GAUGES

FEATURES

Accessories specifically designed for zero-setting of bore gauges.
All components meet the highest market standards and therefore guarantee accurate and safe zero-setting.



| Code | Description | Price List Page |
|----------|---|-----------------|
| DC010100 | Bore gauge setting kits from 18 to 100 mm | |
| DC010280 | Bore gauge setting kits from 18 to 280 mm | |
| DC010510 | Bore gauge zeroing kit from 100 to 510 mm | |

SET OF MAINTENANCE BLOCKS

FEATURES

Complete set for the maintenance and care of gauge blocks.
Necessary in order to avoid any possible corrosion problems that could damage the gauge block and consequently affect measurements.



| Code | Composition | Price List Page |
|----------|---|-----------------|
| FA135SET | 1 chamois leather + 1 linen cloth + 1 flacon of Vaseline 1 fine abrasive stone + 1 soft brush + 1 vaseline brush | |

PLANE-PARALLEL INTERFEROMETER FOIL



| Code | Description | Price List Page |
|----------|----------------------------|-----------------|
| FA120L30 | Flat plate Ø 30 mm h 12 mm | |

FEATURES

The plane-parallel interferometer plate is specifically designed to check the flatness and parallelism of the lapped surfaces of micrometer contacts.

VERTICAL SUPPORT FOR BLOCKS



| Code | Description | Price List Page |
|----------|--|-----------------|
| FA140SET | Holder for striker blocks, composition M10 MC. | |

FEATURES

Vertical support for blocks to be used for zeroing of outdoor micrometers and gauges. The pictured blocks are NOT included in the set but must be ordered separately.

PROTECTIVE OIL



| Code | Quantity ml | Price List Page |
|----------|-------------|-----------------|
| FA160OLI | 500 | |

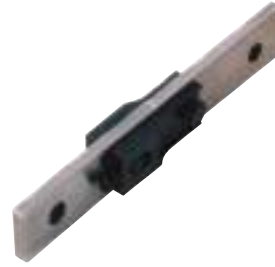
FEATURES

Makes measuring surfaces impervious to oxidation.

LOCKING DEVICE

FEATURES

Device for the perfect coupling of two flat-parallel blocks longer than 100 mm, using the holes in them.

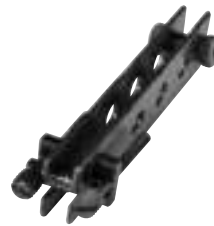


| Code | Range mm | Price List Page |
|--------|-------------|--------------------|
| FA165A | 0 ÷ 100 | |

LOCKING DEVICE

FEATURES

Device for coupling two flat-parallel blocks longer than 100 mm.
Possibility of coupling additional blocks up to a maximum of 225 mm.



| Code | Range mm | Price List Page |
|--------|-------------|--------------------|
| FA167A | 0 ÷ 100 | |

CALIBRATION RINGS

FEATURES

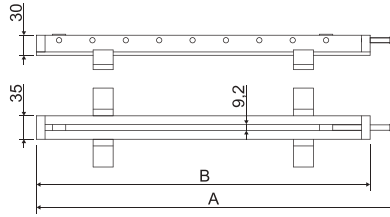
Recommended for calibrating depth micrometers.
Set of 10 pieces with parallel flat faces.

Supplied with calibration certificate.



| Code | Range mm | Price List Page |
|----------|--|--------------------|
| FA175SET | 2,5-5,1-7,7-10,3-12,9-15-17,6-20,2-22,8-25 | |

BLOCK COMPACTOR



| Code | Internal mm | A mm | B mm | kg | Price List Page |
|----------|-------------|------|------|------|-----------------|
| FA180300 | 150 | 340 | 300 | 3,10 | |
| FA180400 | 250 | 440 | 400 | 3,50 | |
| FA180600 | 450 | 640 | 600 | 4,00 | |
| FA180900 | 750 | 940 | 900 | 6,50 | |

FEATURES

Hardened stainless steel block holder compactor. Suitable for zero-setting different types of measuring instruments. Horizontal or vertical use with support base.

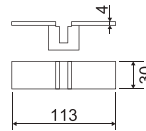
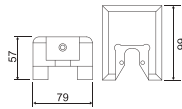
COMPACTOR ACCESSORIES



FA181BA



FA181RD



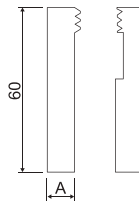
FA181RD

| Code | Description | kg | Price List Page |
|---------|-------------------------|------|-----------------|
| FA181BA | Optional base | 1,80 | |
| FA181RD | Support for bore gauges | 0,15 | |

FEATURES

Accessories for code FA180: Base (FA181BA). Required for vertical use of the compactor, and bore gauge adapter (FA181RD).

PAIR OF REAMERS FOR BORE GAUGES



| Code | Pitch mm | A mm | g | Price List Page |
|-----------|----------|------|----|-----------------|
| FA1840080 | 0,8 | 10 | 40 | |
| FA1840100 | 1 | 10 | 40 | |
| FA1840125 | 1,25 | 10 | 40 | |
| FA1840150 | 1,50 | 10 | 40 | |
| FA1840200 | 2 | 10 | 40 | |
| FA1840250 | 2,5 | 10 | 40 | |
| FA1840300 | 3 | 10 | 40 | |
| FA1840400 | 4 | 10 | 40 | |
| FA1840500 | 5 | 10 | 40 | |
| FA1840600 | 6 | 10 | 40 | |
| FA1840700 | 7 | 20 | 90 | |
| FA1840800 | 8 | 20 | 90 | |
| FA1841000 | 10 | 20 | 90 | |
| FA1841200 | 12 | 20 | 90 | |

FEATURES

Pair of rust-tipped pins with the pitch of your choice.

SET OF CALIBRATED PINS

FEATURES

Tolerance: ± 0.001 mm.
 Hardness 61 64 Rockwell C.
 Can be supplied individually on request.

Supplied with calibration certificate.



| Code | Pieces | Range mm | Progression mm | Height mm | Price List Page |
|-------------|--------|----------|----------------|-----------|-----------------|
| FA182050100 | 51 | 0,5 ÷ 1 | 0,01 | 40 | |
| FA182100150 | 51 | 1 ÷ 1,5 | 0,01 | 50 | |
| FA182150200 | 51 | 1,5 ÷ 2 | 0,01 | 50 | |
| FA182200250 | 51 | 2 ÷ 2,5 | 0,01 | 50 | |
| FA182250300 | 51 | 2,5 ÷ 3 | 0,01 | 50 | |
| FA182300350 | 51 | 3 ÷ 3,5 | 0,01 | 50 | |
| FA182350400 | 51 | 3,5 ÷ 4 | 0,01 | 50 | |
| FA182400450 | 51 | 4 ÷ 4,5 | 0,01 | 50 | |
| FA182450500 | 51 | 4,5 ÷ 5 | 0,01 | 50 | |
| FA182500550 | 51 | 5 ÷ 5,5 | 0,01 | 50 | |
| FA182550600 | 51 | 5,5 ÷ 6 | 0,01 | 50 | |
| FA182600650 | 51 | 6 ÷ 6,5 | 0,01 | 50 | |
| FA182650700 | 51 | 6,5 ÷ 7 | 0,01 | 50 | |
| FA182700750 | 51 | 7 ÷ 7,5 | 0,01 | 50 | |
| FA182750800 | 51 | 7,5 ÷ 8 | 0,01 | 50 | |
| FA182800850 | 51 | 8 ÷ 8,5 | 0,01 | 50 | |
| FA182850900 | 51 | 8,5 ÷ 9 | 0,01 | 50 | |
| FA182900950 | 51 | 9 ÷ 9,5 | 0,01 | 50 | |
| FA182950100 | 51 | 9,5 ÷ 10 | 0,01 | 50 | |

SET OF CALIBRATED PINS

FEATURES

Tolerance: ± 0.002 mm.
 Hardness 61 64 Rockwell C.
 Can be supplied individually on request.

Supplied with calibration certificate.



| Code | Pieces | Range mm | Progression mm | Height mm | Price List Page |
|-----------|--------|--------------|----------------|-----------|-----------------|
| FA185011 | 51 | 0,50 ÷ 1,00 | 0,01 | 50 | |
| FA185116 | 61 | 10 ÷ 16 | 0,10 | 50 | |
| FA185120 | 41 | 16 ÷ 20 | 0,10 | 50 | |
| FA185058 | 141 | 1 ÷ 8 | 0,05 | 50 | |
| FA1850512 | 81 | 8 ÷ 12 | 0,05 | 50 | |
| FA185012 | 101 | 1,00 ÷ 2,00 | 0,01 | 50 | |
| FA185013 | 101 | 2,00 ÷ 3,00 | 0,01 | 50 | |
| FA185014 | 101 | 3,00 ÷ 4,00 | 0,01 | 50 | |
| FA185015 | 101 | 4,00 ÷ 5,00 | 0,01 | 50 | |
| FA185016 | 101 | 5,00 ÷ 6,00 | 0,01 | 50 | |
| FA185017 | 101 | 6,00 ÷ 7,00 | 0,01 | 50 | |
| FA185018 | 101 | 7,00 ÷ 8,00 | 0,01 | 50 | |
| FA185019 | 101 | 8,00 ÷ 9,00 | 0,01 | 50 | |
| FA1850110 | 101 | 9,00 ÷ 10,00 | 0,01 | 50 | |
| FA1850111 | 101 | 10 ÷ 11 | 0,01 | 50 | |
| FA1850112 | 101 | 11 ÷ 12 | 0,01 | 50 | |
| FA1850113 | 101 | 12 ÷ 13 | 0,01 | 50 | |
| FA1850114 | 101 | 13 ÷ 14 | 0,01 | 50 | |
| FA1850115 | 101 | 14 ÷ 15 | 0,01 | 50 | |
| FA1850116 | 101 | 15 ÷ 16 | 0,01 | 50 | |
| FA1850117 | 101 | 16 ÷ 17 | 0,01 | 50 | |
| FA1850118 | 101 | 17 ÷ 18 | 0,01 | 50 | |
| FA1850119 | 101 | 18 ÷ 19 | 0,01 | 50 | |
| FA1850120 | 101 | 19 ÷ 20 | 0,01 | 50 | |

SET OF CALIBRATED PINS



| Code | Pieces | Range mm | Progression mm | Height mm | Price List Page |
|-----------|--------|--------------|----------------|-----------|-----------------|
| FA191055 | 81 | 1,00 ÷ 5,00 | 0,05 | 50 | |
| FA1910510 | 101 | 5,00 ÷ 10,00 | 0,05 | 50 | |

FEATURES

Tolerance: ± 0.002 mm.
 Roughness: less than $0.025 \mu\text{m Ra}$.
 Roundness: less than 0.0005 mm.
 Taper: less than 0.001 mm.
 Hardness 61 64 Rockwell C.
 Can be supplied individually on request.

Supplied with calibration certificate.

SET OF CALIBRATED PINS



| Code | Pieces | Range mm | Progression mm | Height mm | Price List Page |
|----------|--------|---------------|----------------|-----------|-----------------|
| FA186110 | 91 | 1,00 ÷ 10,00 | 0,10 | 50 | |
| FA186120 | 101 | 10,00 ÷ 20,00 | 0,10 | 50 | |

FEATURES

Tolerance: ± 0.002 mm.
 Hardness 61 64 Rockwell C.
 Can be supplied individually on request..

Supplied with calibration certificate.

SMOOTH PAD P/NP

FEATURES

Hardened steel.
H7 tolerance.
Up to Ø65 1 plug gauge, over 2 plug gauges (P or NP).

Supplied with calibration certificate.



| Code | Ø mm | Tolerance | Price List Page |
|---------|------|-----------|-----------------|
| FA1873 | 3 | H7 | |
| FA1874 | 4 | H7 | |
| FA1875 | 5 | H7 | |
| FA1876 | 6 | H7 | |
| FA1877 | 7 | H7 | |
| FA1878 | 8 | H7 | |
| FA1879 | 9 | H7 | |
| FA18710 | 10 | H7 | |
| FA18711 | 11 | H7 | |
| FA18712 | 12 | H7 | |
| FA18713 | 13 | H7 | |
| FA18714 | 14 | H7 | |
| FA18715 | 15 | H7 | |
| FA18716 | 16 | H7 | |
| FA18717 | 17 | H7 | |
| FA18718 | 18 | H7 | |
| FA18719 | 19 | H7 | |
| FA18720 | 20 | H7 | |
| FA18721 | 21 | H7 | |
| FA18722 | 22 | H7 | |
| FA18723 | 23 | H7 | |
| FA18724 | 24 | H7 | |
| FA18725 | 25 | H7 | |
| FA18726 | 26 | H7 | |
| FA18727 | 27 | H7 | |
| FA18728 | 28 | H7 | |
| FA18729 | 29 | H7 | |
| FA18730 | 30 | H7 | |
| FA18732 | 32 | H7 | |
| FA18733 | 33 | H7 | |
| FA18734 | 34 | H7 | |
| FA18735 | 35 | H7 | |

| Code | Ø mm | Tolerance | Price List Page |
|----------|------|-----------|-----------------|
| FA18736 | 36 | H7 | |
| FA18737 | 37 | H7 | |
| FA18738 | 38 | H7 | |
| FA18740 | 40 | H7 | |
| FA18742 | 42 | H7 | |
| FA18744 | 44 | H7 | |
| FA18745 | 45 | H7 | |
| FA18746 | 46 | H7 | |
| FA18747 | 47 | H7 | |
| FA18748 | 48 | H7 | |
| FA18750 | 50 | H7 | |
| FA18752 | 52 | H7 | |
| FA18755 | 55 | H7 | |
| FA18756 | 56 | H7 | |
| FA18758 | 58 | H7 | |
| FA18760 | 60 | H7 | |
| FA18762 | 62 | H7 | |
| FA18765 | 65 | H7 | |
| FA18768 | 68 | H7 | |
| FA18770 | 70 | H7 | |
| FA18772 | 72 | H7 | |
| FA18775 | 75 | H7 | |
| FA18778 | 78 | H7 | |
| FA18780 | 80 | H7 | |
| FA18782 | 82 | H7 | |
| FA18785 | 85 | H7 | |
| FA18788 | 88 | H7 | |
| FA18790 | 90 | H7 | |
| FA18792 | 92 | H7 | |
| FA18795 | 95 | H7 | |
| FA18798 | 98 | H7 | |
| FA187100 | 100 | H7 | |

SMOOTH P/NP PADS IN SETS

FEATURES

Hardened steel.
H7 tolerance.
Supplied in wooden case.

Supplied with calibration certificate.



| Code | Set composition Ø mm | Pieces | Price List Page |
|--------|--|--------|-----------------|
| FA188C | 3-4-5-6-7-8-10-11-12-13-14-15-16-17-18-20 21-22-23-24-25-26-27-28-29-30 | 26 | |
| FA188D | 32-34-35-36-38-40-42-44-46-48-50-52-55-58-60 | 15 | |

RESETTING RING



| Code | Ø mm | Price List Page |
|---------|------|-----------------|
| FA1904 | 4 | |
| FA1905 | 5 | |
| FA1906 | 6 | |
| FA1907 | 7 | |
| FA1908 | 8 | |
| FA1909 | 9 | |
| FA19010 | 10 | |
| FA19011 | 11 | |
| FA19012 | 12 | |
| FA19013 | 13 | |
| FA19014 | 14 | |
| FA19015 | 15 | |
| FA19016 | 16 | |
| FA19017 | 17 | |
| FA19018 | 18 | |
| FA19019 | 19 | |
| FA19020 | 20 | |
| FA19021 | 21 | |
| FA19022 | 22 | |
| FA19023 | 23 | |
| FA19024 | 24 | |
| FA19025 | 25 | |
| FA19026 | 26 | |
| FA19027 | 27 | |
| FA19028 | 28 | |
| FA19029 | 29 | |
| FA19030 | 30 | |
| FA19032 | 32 | |
| FA19033 | 33 | |
| FA19034 | 34 | |
| FA19035 | 35 | |
| FA19036 | 36 | |
| FA19037 | 37 | |
| FA19038 | 38 | |
| FA19040 | 40 | |
| FA19042 | 42 | |
| FA19044 | 44 | |

| Code | Ø mm | Price List Page |
|---------|------|-----------------|
| FA19045 | 45 | |
| FA19046 | 46 | |
| FA19047 | 47 | |
| FA19048 | 48 | |
| FA19050 | 50 | |
| FA19052 | 52 | |
| FA19055 | 55 | |
| FA19056 | 56 | |
| FA19058 | 58 | |
| FA19060 | 60 | |
| FA19062 | 62 | |
| FA19065 | 65 | |
| FA19068 | 68 | |
| FA19070 | 70 | |
| FA19072 | 72 | |
| FA19075 | 75 | |
| FA19078 | 78 | |
| FA19080 | 80 | |
| FA19082 | 82 | |
| FA19085 | 85 | |
| FA19088 | 88 | |
| FA19090 | 90 | |
| FA19092 | 92 | |
| FA19095 | 95 | |
| FA19098 | 98 | |
| FA19100 | 100 | |
| FA19110 | 110 | |
| FA19120 | 120 | |
| FA19125 | 125 | |
| FA19130 | 130 | |
| FA19140 | 140 | |
| FA19150 | 150 | |
| FA19175 | 175 | |
| FA19200 | 200 | |
| FA19225 | 225 | |
| FA19250 | 250 | |

FEATURES

Conforms to DIN 2250.

Supplied with calibration certificate.

P/NP METRIC COARSE THREADED PAD (M)



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA225204 | 2 x 0,4 | 6H | |
| FA22522045 | 2,2 x 0,45 | 6H | |
| FA22525045 | 2,5 x 0,45 | 6H | |
| FA225305 | 3 x 0,5 | 6H | |
| FA225407 | 4 x 0,7 | 6H | |
| FA225508 | 5 x 0,8 | 6H | |
| FA22561 | 6 x 1 | 6H | |
| FA22571 | 7 x 1 | 6H | |
| FA2258125 | 8 x 1,25 | 6H | |
| FA2259125 | 9 x 1,25 | 6H | |
| FA2251015 | 10 x 1,5 | 6H | |
| FA2251115 | 11 x 1,5 | 6H | |
| FA22512175 | 12 x 1,75 | 6H | |
| FA225142 | 14 x 2 | 6H | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA225162 | 16 x 2 | 6H | |
| FA2251825 | 18 x 2,5 | 6H | |
| FA2252025 | 20 x 2,5 | 6H | |
| FA2252225 | 22 x 2,5 | 6H | |
| FA225243 | 24 x 3 | 6H | |
| FA225273 | 27 x 3 | 6H | |
| FA2253035 | 30 x 3,5 | 6H | |
| FA2253335 | 33 x 3,5 | 6H | |
| FA225364 | 36 x 4 | 6H | |
| FA225394 | 39 x 4 | 6H | |
| FA2254245 | 42 x 4,5 | 6H | |
| FA2254545 | 45 x 4,5 | 6H | |
| FA225485 | 48 x 5 | 6H | |

FEATURES

Hardened steel.

Tolerance 6H.

Supplied with calibration certificate.

THREADED RING P METRIC COARSE THREAD (M)

FEATURES

Hardened steel.
Tolerance 6g.

Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA230204 | 2 x 0,4 | 6g | |
| FA23022045 | 2,2 x 0,45 | 6g | |
| FA23025045 | 2,5 x 0,45 | 6g | |
| FA230305 | 3 x 0,5 | 6g | |
| FA230407 | 4 x 0,7 | 6g | |
| FA230508 | 5 x 0,8 | 6g | |
| FA23061 | 6 x 1 | 6g | |
| FA23071 | 7 x 1 | 6g | |
| FA2308125 | 8 x 1,25 | 6g | |
| FA2309125 | 9 x 1,25 | 6g | |
| FA2301015 | 10 x 1,5 | 6g | |
| FA2301115 | 11 x 1,5 | 6g | |
| FA23012175 | 12 x 1,75 | 6g | |
| FA230142 | 14 x 2 | 6g | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA230162 | 16 x 2 | 6g | |
| FA2301825 | 18 x 2,5 | 6g | |
| FA2302025 | 20 x 2,5 | 6g | |
| FA2302225 | 22 x 2,5 | 6g | |
| FA230243 | 24 x 3 | 6g | |
| FA230273 | 27 x 3 | 6g | |
| FA2303035 | 30 x 3,5 | 6g | |
| FA2303335 | 33 x 3,5 | 6g | |
| FA230364 | 36 x 4 | 6g | |
| FA230394 | 39 x 4 | 6g | |
| FA2304245 | 42 x 4,5 | 6g | |
| FA2304545 | 45 x 4,5 | 6g | |
| FA230485 | 48 x 5 | 6g | |

METRIC COARSE THREAD RING NP (M)

FEATURES

Hardened steel.
Tolerance 6g.

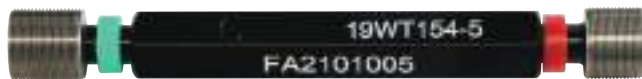
Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA235204 | 2 x 0,4 | 6g | |
| FA23522045 | 2,2 x 0,45 | 6g | |
| FA23525045 | 2,5 x 0,45 | 6g | |
| FA235305 | 3 x 0,5 | 6g | |
| FA235407 | 4 x 0,7 | 6g | |
| FA235508 | 5 x 0,8 | 6g | |
| FA23561 | 6 x 1 | 6g | |
| FA23571 | 7 x 1 | 6g | |
| FA2358125 | 8 x 1,25 | 6g | |
| FA2359125 | 9 x 1,25 | 6g | |
| FA2351015 | 10 x 1,5 | 6g | |
| FA2351115 | 11 x 1,5 | 6g | |
| FA23512175 | 12 x 1,75 | 6g | |
| FA235142 | 14 x 2 | 6g | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA235162 | 16 x 2 | 6g | |
| FA2351825 | 18 x 2,5 | 6g | |
| FA2352025 | 20 x 2,5 | 6g | |
| FA2352225 | 22 x 2,5 | 6g | |
| FA235243 | 24 x 3 | 6g | |
| FA235273 | 27 x 3 | 6g | |
| FA2353035 | 30 x 3,5 | 6g | |
| FA2353335 | 33 x 3,5 | 6g | |
| FA235364 | 36 x 4 | 6g | |
| FA235394 | 39 x 4 | 6g | |
| FA2354245 | 42 x 4,5 | 6g | |
| FA2354545 | 45 x 4,5 | 6g | |
| FA235485 | 48 x 5 | 6g | |

METRIC FINE PITCH THREADED GAUGE (MF)



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA210405 | 4 x 0,5 | 6H | |
| FA210505 | 5 x 0,5 | 6H | |
| FA210605 | 6 x 0,5 | 6H | |
| FA2106075 | 6 x 0,75 | 6H | |
| FA2107075 | 7 x 0,75 | 6H | |
| FA210805 | 8 x 0,5 | 6H | |
| FA2108075 | 8 x 0,75 | 6H | |
| FA21081 | 8 x 1 | 6H | |
| FA21091 | 9 x 1 | 6H | |
| FA2101005 | 10 x 0,5 | 6H | |
| FA21010075 | 10 x 0,75 | 6H | |
| FA210101 | 10 x 1 | 6H | |
| FA21010125 | 10 x 1,25 | 6H | |
| FA210111 | 11 x 1 | 6H | |
| FA21012075 | 12 x 0,75 | 6H | |
| FA210121 | 12 x 1 | 6H | |
| FA21012125 | 12 x 1,25 | 6H | |
| FA2101215 | 12 x 1,5 | 6H | |
| FA210131 | 13 x 1 | 6H | |
| FA2101315 | 13 x 1,5 | 6H | |
| FA21014075 | 14 x 0,75 | 6H | |
| FA210141 | 14 x 1 | 6H | |
| FA21014125 | 14 x 1,25 | 6H | |
| FA2101415 | 14 x 1,5 | 6H | |
| FA210151 | 15 x 1 | 6H | |
| FA2101515 | 15 x 1,5 | 6H | |
| FA21016075 | 16 x 0,75 | 6H | |
| FA2101615 | 16 x 1,5 | 6H | |
| FA21018075 | 18 x 0,75 | 6H | |
| FA210181 | 18 x 1 | 6H | |
| FA2101815 | 18 x 1,5 | 6H | |
| FA210182 | 18 x 2 | 6H | |
| FA21020075 | 20 x 0,75 | 6H | |
| FA210201 | 20 x 1 | 6H | |
| FA2102015 | 20 x 1,5 | 6H | |
| FA210202 | 20 x 2 | 6H | |
| FA21022075 | 22 x 0,75 | 6H | |
| FA210221 | 22 x 1 | 6H | |
| FA2102215 | 22 x 1,5 | 6H | |
| FA210241 | 24 x 1 | 6H | |
| FA2102415 | 24 x 1,5 | 6H | |
| FA210242 | 24 x 2 | 6H | |
| FA210251 | 25 x 1 | 6H | |
| FA2102515 | 25 x 1,5 | 6H | |
| FA210252 | 25 x 2 | 6H | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA2102615 | 26 x 1,5 | 6H | |
| FA210262 | 26 x 2 | 6H | |
| FA210271 | 27 x 1 | 6H | |
| FA2102715 | 27 x 1,5 | 6H | |
| FA2102815 | 28 x 1,5 | 6H | |
| FA210282 | 28 x 2 | 6H | |
| FA210301 | 30 x 1 | 6H | |
| FA2103015 | 30 x 1,5 | 6H | |
| FA210302 | 30 x 2 | 6H | |
| FA210321 | 32 x 1 | 6H | |
| FA2103215 | 32 x 1,5 | 6H | |
| FA210322 | 32 x 2 | 6H | |
| FA210331 | 33 x 1 | 6H | |
| FA2103315 | 33 x 1,5 | 6H | |
| FA210332 | 33 x 2 | 6H | |
| FA2103415 | 34 x 1,5 | 6H | |
| FA210342 | 34 x 2 | 6H | |
| FA210343 | 34 x 3 | 6H | |
| FA2103515 | 35 x 1,5 | 6H | |
| FA210352 | 35 x 2 | 6H | |
| FA2103615 | 36 x 1,5 | 6H | |
| FA210362 | 36 x 2 | 6H | |
| FA210363 | 36 x 3 | 6H | |
| FA2103815 | 38 x 1,5 | 6H | |
| FA210382 | 38 x 2 | 6H | |
| FA210383 | 38 x 3 | 6H | |
| FA2103915 | 39 x 1,5 | 6H | |
| FA210392 | 39 x 2 | 6H | |
| FA2104015 | 40 x 1,5 | 6H | |
| FA210402 | 40 x 2 | 6H | |
| FA210403 | 40 x 3 | 6H | |
| FA2104215 | 42 x 1,5 | 6H | |
| FA210422 | 42 x 2 | 6H | |
| FA210423 | 42 x 3 | 6H | |
| FA2104415 | 44 x 1,5 | 6H | |
| FA210442 | 44 x 2 | 6H | |
| FA2104515 | 45 x 1,5 | 6H | |
| FA210452 | 45 x 2 | 6H | |
| FA210453 | 45 x 3 | 6H | |
| FA2104815 | 48 x 1,5 | 6H | |
| FA210482 | 48 x 2 | 6H | |
| FA210483 | 48 x 3 | 6H | |
| FA2105015 | 50 x 1,5 | 6H | |
| FA210502 | 50 x 2 | 6H | |
| FA210503 | 50 x 3 | 6H | |

FEATURES

Hardened steel.
Buffer passes no passes.
Tolerance 6H.

Supplied with calibration certificate.

THREADED RING P METRIC FINE PITCH (MF)

FEATURES

Hardened steel.
Tolerance 6g.

Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA215405 | 4 x 0,5 | 6g | |
| FA215505 | 5 x 0,5 | 6g | |
| FA215605 | 6 x 0,5 | 6g | |
| FA2156075 | 6 x 0,75 | 6g | |
| FA2157075 | 7 x 0,75 | 6g | |
| FA215805 | 8 x 0,5 | 6g | |
| FA2158075 | 8 x 0,75 | 6g | |
| FA21581 | 8 x 1 | 6g | |
| FA21591 | 9 x 1 | 6g | |
| FA2151005 | 10 x 0,5 | 6g | |
| FA21510075 | 10 x 0,75 | 6g | |
| FA215101 | 10 x 1 | 6g | |
| FA21510125 | 10 x 1,25 | 6g | |
| FA215111 | 11 x 1 | 6g | |
| FA21512075 | 12 x 0,75 | 6g | |
| FA215121 | 12 x 1 | 6g | |
| FA21512125 | 12 x 1,25 | 6g | |
| FA2151215 | 12 x 1,5 | 6g | |
| FA215131 | 13 x 1 | 6g | |
| FA2151315 | 13 x 1,5 | 6g | |
| FA21514075 | 14 x 0,75 | 6g | |
| FA215141 | 14 x 1 | 6g | |
| FA21514125 | 14 x 1,25 | 6g | |
| FA2151415 | 14 x 1,5 | 6g | |
| FA215151 | 15 x 1 | 6g | |
| FA2151515 | 15 x 1,5 | 6g | |
| FA21516075 | 16 x 0,75 | 6g | |
| FA215161 | 16 x 1 | 6g | |
| FA2151615 | 16 x 1,5 | 6g | |
| FA21518075 | 18 x 0,75 | 6g | |
| FA215181 | 18 x 1 | 6g | |
| FA2151815 | 18 x 1,5 | 6g | |
| FA215182 | 18 x 2 | 6g | |
| FA21520075 | 20 x 0,75 | 6g | |
| FA215201 | 20 x 1 | 6g | |
| FA2152015 | 20 x 1,5 | 6g | |
| FA215202 | 20 x 2 | 6g | |
| FA21522075 | 22 x 0,75 | 6g | |
| FA215221 | 22 x 1 | 6g | |
| FA2152215 | 22 x 1,5 | 6g | |
| FA215241 | 24 x 1 | 6g | |
| FA2152415 | 24 x 1,5 | 6g | |
| FA215242 | 24 x 2 | 6g | |
| FA215251 | 25 x 1 | 6g | |
| FA2152515 | 25 x 1,5 | 6g | |
| FA215252 | 25 x 2 | 6g | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA2152615 | 26 x 1,5 | 6g | |
| FA215262 | 26 x 2 | 6g | |
| FA215271 | 27 x 1 | 6g | |
| FA2152715 | 27 x 1,5 | 6g | |
| FA2152815 | 28 x 1,5 | 6g | |
| FA215282 | 28 x 2 | 6g | |
| FA215301 | 30 x 1 | 6g | |
| FA2153015 | 30 x 1,5 | 6g | |
| FA215302 | 30 x 2 | 6g | |
| FA215321 | 32 x 1 | 6g | |
| FA2153215 | 32 x 1,5 | 6g | |
| FA215322 | 32 x 2 | 6g | |
| FA215331 | 33 x 1 | 6g | |
| FA2153315 | 33 x 1,5 | 6g | |
| FA215332 | 33 x 2 | 6g | |
| FA2153415 | 34 x 1,5 | 6g | |
| FA215342 | 34 x 2 | 6g | |
| FA215343 | 34 x 3 | 6g | |
| FA2153515 | 35 x 1,5 | 6g | |
| FA215352 | 35 x 2 | 6g | |
| FA2153615 | 36 x 1,5 | 6g | |
| FA215362 | 36 x 2 | 6g | |
| FA215363 | 36 x 3 | 6g | |
| FA2153815 | 38 x 1,5 | 6g | |
| FA215382 | 38 x 2 | 6g | |
| FA215383 | 38 x 3 | 6g | |
| FA2153915 | 39 x 1,5 | 6g | |
| FA215392 | 39 x 2 | 6g | |
| FA2154015 | 40 x 1,5 | 6g | |
| FA215402 | 40 x 2 | 6g | |
| FA215403 | 40 x 3 | 6g | |
| FA2154215 | 42 x 1,5 | 6g | |
| FA215422 | 42 x 2 | 6g | |
| FA215423 | 42 x 3 | 6g | |
| FA2154415 | 44 x 1,5 | 6g | |
| FA215442 | 44 x 2 | 6g | |
| FA2154515 | 45 x 1,5 | 6g | |
| FA215452 | 45 x 2 | 6g | |
| FA215453 | 45 x 3 | 6g | |
| FA2154815 | 48 x 1,5 | 6g | |
| FA215482 | 48 x 2 | 6g | |
| FA215483 | 48 x 3 | 6g | |
| FA2155015 | 50 x 1,5 | 6g | |
| FA215502 | 50 x 2 | 6g | |
| FA215503 | 50 x 3 | 6g | |

METRIC FINE PITCH (MF) THREADED RING NP



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA220405 | 4 x 0,5 | 6g | |
| FA220505 | 5 x 0,5 | 6g | |
| FA220605 | 6 x 0,5 | 6g | |
| FA2206075 | 6 x 0,75 | 6g | |
| FA2207075 | 7 x 0,75 | 6g | |
| FA220805 | 8 x 0,5 | 6g | |
| FA2208075 | 8 x 0,75 | 6g | |
| FA22081 | 8 x 1 | 6g | |
| FA22091 | 9 x 1 | 6g | |
| FA2201005 | 10 x 0,5 | 6g | |
| FA22010075 | 10 x 0,75 | 6g | |
| FA220101 | 10 x 1 | 6g | |
| FA22010125 | 10 x 1,25 | 6g | |
| FA220111 | 11 x 1 | 6g | |
| FA22012075 | 12 x 0,75 | 6g | |
| FA220121 | 12 x 1 | 6g | |
| FA22012125 | 12 x 1,25 | 6g | |
| FA2201215 | 12 x 1,5 | 6g | |
| FA220131 | 13 x 1 | 6g | |
| FA2201315 | 13 x 1,5 | 6g | |
| FA22014075 | 14 x 0,75 | 6g | |
| FA220141 | 14 x 1 | 6g | |
| FA22014125 | 14 x 1,25 | 6g | |
| FA2201415 | 14 x 1,5 | 6g | |
| FA220151 | 15 x 1 | 6g | |
| FA2201515 | 15 x 1,5 | 6g | |
| FA22016075 | 16 x 0,75 | 6g | |
| FA220161 | 16 x 1 | 6g | |
| FA2201615 | 16 x 1,5 | 6g | |
| FA22018075 | 18 x 0,75 | 6g | |
| FA220181 | 18 x 1 | 6g | |
| FA2201815 | 18 x 1,5 | 6g | |
| FA220182 | 18 x 2 | 6g | |
| FA22020075 | 20 x 0,75 | 6g | |
| FA220201 | 20 x 1 | 6g | |
| FA2202015 | 20 x 1,5 | 6g | |
| FA220202 | 20 x 2 | 6g | |
| FA22022075 | 22 x 0,75 | 6g | |
| FA220221 | 22 x 1 | 6g | |
| FA2202215 | 22 x 1,5 | 6g | |
| FA220241 | 24 x 1 | 6g | |
| FA2202415 | 24 x 1,5 | 6g | |
| FA220242 | 24 x 2 | 6g | |
| FA220251 | 25 x 1 | 6g | |
| FA2202515 | 25 x 1,5 | 6g | |
| FA220252 | 25 x 2 | 6g | |

| Code | Ø and pitch | Tolerance | Price List Page |
|-----------|-------------|-----------|-----------------|
| FA2202615 | 26 x 1,5 | 6g | |
| FA220262 | 26 x 2 | 6g | |
| FA220271 | 27 x 1 | 6g | |
| FA2202715 | 27 x 1,5 | 6g | |
| FA2202815 | 28 x 1,5 | 6g | |
| FA220282 | 28 x 2 | 6g | |
| FA220301 | 30 x 1 | 6g | |
| FA2203015 | 30 x 1,5 | 6g | |
| FA220302 | 30 x 2 | 6g | |
| FA220321 | 32 x 1 | 6g | |
| FA2203215 | 32 x 1,5 | 6g | |
| FA220322 | 32 x 2 | 6g | |
| FA220331 | 33 x 1 | 6g | |
| FA2203315 | 33 x 1,5 | 6g | |
| FA220332 | 33 x 2 | 6g | |
| FA2203415 | 34 x 1,5 | 6g | |
| FA220342 | 34 x 2 | 6g | |
| FA220343 | 34 x 3 | 6g | |
| FA2203515 | 35 x 1,5 | 6g | |
| FA220352 | 35 x 2 | 6g | |
| FA2203615 | 36 x 1,5 | 6g | |
| FA220362 | 36 x 2 | 6g | |
| FA220363 | 36 x 3 | 6g | |
| FA2203815 | 38 x 1,5 | 6g | |
| FA220382 | 38 x 2 | 6g | |
| FA220383 | 38 x 3 | 6g | |
| FA2203915 | 39 x 1,5 | 6g | |
| FA220392 | 39 x 2 | 6g | |
| FA2204015 | 40 x 1,5 | 6g | |
| FA220402 | 40 x 2 | 6g | |
| FA220403 | 40 x 3 | 6g | |
| FA2204215 | 42 x 1,5 | 6g | |
| FA220422 | 42 x 2 | 6g | |
| FA220423 | 42 x 3 | 6g | |
| FA2204415 | 44 x 1,5 | 6g | |
| FA220442 | 44 x 2 | 6g | |
| FA2204515 | 45 x 1,5 | 6g | |
| FA220452 | 45 x 2 | 6g | |
| FA220453 | 45 x 3 | 6g | |
| FA2204815 | 48 x 1,5 | 6g | |
| FA220482 | 48 x 2 | 6g | |
| FA220483 | 48 x 3 | 6g | |
| FA2205015 | 50 x 1,5 | 6g | |
| FA220502 | 50 x 2 | 6g | |
| FA220503 | 50 x 3 | 6g | |

FEATURES

Hardened steel.
Tolerance 6g.

Supplied with calibration certificate.

P/NP UNC THREADED PAD

FEATURES

Hardened steel.
Tolerance 2B.

Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA255348 | #3-48 | 2B | |
| FA255440 | #4-40 | 2B | |
| FA255540 | #5-40 | 2B | |
| FA255632 | #6-32 | 2B | |
| FA255832 | #8-32 | 2B | |
| FA2551024 | #10-24 | 2B | |
| FA2551224 | #12-24 | 2B | |
| FA2551420 | 1/4"-20 | 2B | |
| FA25551618 | 5/16"-18 | 2B | |
| FA2553816 | 3/8"-16 | 2B | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA25571614 | 7/16"-14 | 2B | |
| FA2551213 | 1/2"-13 | 2B | |
| FA25591612 | 9/16"-12 | 2B | |
| FA2555811 | 5/8"-11 | 2B | |
| FA2553410 | 3/4"-10 | 2B | |
| FA255789 | 7/8"-9 | 2B | |
| FA25518 | 1"-8 | 2B | |
| FA2551147 | 1"1/4-7 | 2B | |
| FA2551126 | 1"1/2-6 | 2B | |

THREADED RING P UNC

FEATURES

Hardened steel.
Tolerance 2A.

Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA260348 | #3-48 | 2A | |
| FA260440 | #4-40 | 2A | |
| FA260540 | #5-40 | 2A | |
| FA260632 | #6-32 | 2A | |
| FA260832 | #8-32 | 2A | |
| FA2601024 | #10-24 | 2A | |
| FA2601224 | #12-24 | 2A | |
| FA2601420 | 1/4"-20 | 2A | |
| FA26051618 | 5/16"-18 | 2A | |
| FA2603816 | 3/8"-16 | 2A | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA26071614 | 7/16"-14 | 2A | |
| FA2601213 | 1/2"-13 | 2A | |
| FA26091612 | 9/16"-12 | 2A | |
| FA2605811 | 5/8"-11 | 2A | |
| FA2603410 | 3/4"-10 | 2A | |
| FA260789 | 7/8"-9 | 2A | |
| FA26018 | 1"-8 | 2A | |
| FA2601147 | 1"1/4-7 | 2A | |
| FA2601126 | 1"1/2-6 | 2A | |

THREADED RING NP UNC

FEATURES

Hardened steel.
Tolerance 2A.

Supplied with calibration certificate.



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA265348 | #3-48 | 2A | |
| FA265440 | #4-40 | 2A | |
| FA265540 | #5-40 | 2A | |
| FA265632 | #6-32 | 2A | |
| FA265832 | #8-32 | 2A | |
| FA2651024 | #10-24 | 2A | |
| FA2651224 | #12-24 | 2A | |
| FA2651420 | 1/4"-20 | 2A | |
| FA26551618 | 5/16"-18 | 2A | |
| FA2653816 | 3/8"-16 | 2A | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA26571614 | 7/16"-14 | 2A | |
| FA2651213 | 1/2"-13 | 2A | |
| FA26591612 | 9/16"-12 | 2A | |
| FA2655811 | 5/8"-11 | 2A | |
| FA2653410 | 3/4"-10 | 2A | |
| FA265789 | 7/8"-9 | 2A | |
| FA26518 | 1"-8 | 2A | |
| FA2651147 | 1"1/4-7 | 2A | |
| FA2651126 | 1"1/2-6 | 2A | |

P/NP UNF THREADED PAD



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA240356 | #3-56 | 2B | |
| FA240448 | #4-48 | 2B | |
| FA240544 | #5-44 | 2B | |
| FA240640 | #6-40 | 2B | |
| FA240836 | #8-36 | 2B | |
| FA2401032 | #10-32 | 2B | |
| FA2401228 | #12-28 | 2B | |
| FA2401428 | 1/4"-28 | 2B | |
| FA24051624 | 5/16"-24 | 2B | |
| FA2403824 | 3/8"-24 | 2B | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA24071620 | 7/16"-20 | 2B | |
| FA2401220 | 1/2"-20 | 2B | |
| FA24091618 | 9/16"-18 | 2B | |
| FA2405818 | 5/8"-18 | 2B | |
| FA2403416 | 3/4"-16 | 2B | |
| FA2407814 | 7/8"-14 | 2B | |
| FA240112 | 1"-12 | 2B | |
| FA24011412 | 1"1/4"-12 | 2B | |
| FA24011212 | 1"1/2"-12 | 2B | |

FEATURES

Hardened steel.
Tolerance 2B.

Supplied with calibration certificate.

THREADED RING P UNF



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA245356 | #3-56 | 2A | |
| FA245448 | #4-48 | 2A | |
| FA245544 | #5-44 | 2A | |
| FA245640 | #6-40 | 2A | |
| FA245836 | #8-36 | 2A | |
| FA2451032 | #10-32 | 2A | |
| FA2451228 | #12-28 | 2A | |
| FA2451428 | 1/4"-28 | 2A | |
| FA24551624 | 5/16"-24 | 2A | |
| FA2453824 | 3/8"-24 | 2A | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA24571620 | 7/16"-20 | 2A | |
| FA2451220 | 1/2"-20 | 2A | |
| FA24591618 | 9/16"-18 | 2A | |
| FA2455818 | 5/8"-18 | 2A | |
| FA2453416 | 3/4"-16 | 2A | |
| FA2457814 | 7/8"-14 | 2A | |
| FA245112 | 1"-12 | 2A | |
| FA24511412 | 1"1/4"-12 | 2A | |
| FA24511212 | 1"1/2"-12 | 2A | |

FEATURES

Hardened steel.
Tolerance 2A.

Supplied with calibration certificate.

THREADED RING NP UNF



| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA250356 | #3-56 | 2A | |
| FA250448 | #4-48 | 2A | |
| FA250544 | #5-44 | 2A | |
| FA250640 | #6-40 | 2A | |
| FA250836 | #8-36 | 2A | |
| FA2501032 | #10-32 | 2A | |
| FA2501228 | #12-28 | 2A | |
| FA2501428 | 1/4"-28 | 2A | |
| FA25051624 | 5/16"-24 | 2A | |
| FA2503824 | 3/8"-24 | 2A | |

| Code | Ø and pitch | Tolerance | Price List Page |
|------------|-------------|-----------|-----------------|
| FA25071620 | 7/16"-20 | 2A | |
| FA2501220 | 1/2"-20 | 2A | |
| FA25091618 | 9/16"-18 | 2A | |
| FA2505818 | 5/8"-18 | 2A | |
| FA2503416 | 3/4"-16 | 2A | |
| FA2507814 | 7/8"-14 | 2A | |
| FA250112 | 1"-12 | 2A | |
| FA25011412 | 1"1/4"-12 | 2A | |
| FA25011212 | 1"1/2"-12 | 2A | |

FEATURES

Hardened steel.
Tolerance 2A.

Supplied with calibration certificate.

P/NP GAS ISO 228 THREADED PAD

FEATURES

Cylindrical thread.

Supplied with calibration certificate.



| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA27018 | 1/8" - 28 | |
| FA27014 | 1/4" - 19 | |
| FA27038 | 3/8" - 19 | |
| FA27012 | 1/2" - 14 | |
| FA27058 | 5/8" - 14 | |
| FA27034 | 3/4" - 14 | |
| FA27078 | 7/8" - 14 | |
| FA2701 | 1" - 11 | |
| FA270118 | 1" 1/8 - 11 | |
| FA270114 | 1" 1/4 - 11 | |

| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA270138 | 1" 3/8 - 11 | |
| FA270112 | 1" 1/2 - 11 | |
| FA270134 | 1" 3/4 - 11 | |
| FA2702 | 2" - 11 | |
| FA270214 | 2" 1/4 - 11 | |
| FA270238 | 2" 3/8 - 11 | |
| FA270212 | 2" 1/2 - 11 | |
| FA270234 | 2" 3/4 - 11 | |
| FA2703 | 3" - 11 | |

THREADED RING P GAS ISO 228

FEATURES

Cylindrical thread.

Supplied with calibration certificate.



| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA27518 | 1/8" - 28 | |
| FA27514 | 1/4" - 19 | |
| FA27538 | 3/8" - 19 | |
| FA27512 | 1/2" - 14 | |
| FA27558 | 5/8" - 14 | |
| FA27534 | 3/4" - 14 | |
| FA27578 | 7/8" - 14 | |
| FA2751 | 1" - 11 | |
| FA275118 | 1" 1/8 - 11 | |
| FA275114 | 1" 1/4 - 11 | |

| Code | Ø and pitch | Price List Page |
|----------|--------------|-----------------|
| FA275138 | 1" 3/8" - 11 | |
| FA275112 | 1" 1/2 - 11 | |
| FA275134 | 1" 3/4 - 11 | |
| FA2752 | 2" - 11 | |
| FA275214 | 2" 1/4 - 11 | |
| FA275238 | 2" 3/8 - 11 | |
| FA275212 | 2" 1/2 - 11 | |
| FA275234 | 2" 3/4 - 11 | |
| FA2753 | 3" - 11 | |

THREADED RING NP GAS ISO 228

FEATURES

Cylindrical thread.

Supplied with calibration certificate.



| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA28018 | 1/8" - 28 | |
| FA28014 | 1/4" - 19 | |
| FA28038 | 3/8" - 19 | |
| FA28012 | 1/2" - 14 | |
| FA28058 | 5/8" - 14 | |
| FA28034 | 3/4" - 14 | |
| FA28078 | 7/8" - 14 | |
| FA2801 | 1" - 11 | |
| FA280118 | 1" 1/8 - 11 | |
| FA280114 | 1" 1/4 - 11 | |

| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA280138 | 1" 3/8 - 11 | |
| FA280112 | 1" 1/2 - 11 | |
| FA280134 | 1" 3/4 - 11 | |
| FA2802 | 2" - 11 | |
| FA280214 | 2" 1/4 - 11 | |
| FA280238 | 2" 3/8 - 11 | |
| FA280212 | 2" 1/2 - 11 | |
| FA280234 | 2" 3/4 - 11 | |
| FA2803 | 3" - 11 | |

NPT THREADED PAD



| Code | Ø and pitch | Price List Page |
|----------|-------------|-----------------|
| FA285116 | 1/16" - 27 | |
| FA28518 | 1/8" - 27 | |
| FA28514 | 1/4" - 18 | |
| FA28538 | 3/8" - 18 | |
| FA28512 | 1/2" - 14 | |
| FA28534 | 3/4" - 14 | |

| Code | Ø and pitch | Price List Page |
|----------|---------------|-----------------|
| FA2851 | 1" - 11,5 | |
| FA285114 | 1" 1/4 - 11,5 | |
| FA285112 | 1" 1/2 - 11,5 | |
| FA2852 | 2" - 11,5 | |
| FA285212 | 2" 1/2 - 8 | |
| FA2853 | 3" - 8 | |

NPT THREADED RING



| Code | Ø and pitch | Price List Page |
|-----------|-------------|-----------------|
| FA286116A | 1/16" - 27 | |
| FA28618A | 1/8" - 27 | |
| FA28614A | 1/4" - 18 | |
| FA28638A | 3/8" - 18 | |
| FA28612A | 1/2" - 14 | |
| FA28634A | 3/4" - 14 | |

| Code | Ø and pitch | Price List Page |
|-----------|---------------|-----------------|
| FA2861A | 1" - 11,5 | |
| FA286114A | 1" 1/4 - 11,5 | |
| FA286112A | 1" 1/2 - 11,5 | |
| FA2862A | 2" - 11,5 | |
| FA286212A | 2" 1/2 - 8 | |
| FA2863A | 3" - 8 | |

DEPTH GAUGE FOR METRIC THREADS



| Code | M | Price List Page |
|---------|----|-----------------|
| FA300M3 | M3 | |
| FA300M4 | M4 | |
| FA300M5 | M5 | |
| FA300M6 | M6 | |
| FA300M7 | M7 | |

| Code | M | Price List Page |
|----------|-----|-----------------|
| FA300M8 | M8 | |
| FA300M9 | M9 | |
| FA300M10 | M10 | |
| FA300M11 | M11 | |
| FA300M12 | M12 | |

FEATURES

Conical thread.

Supplied with calibration certificate.

FEATURES

Conical thread.

Supplied with calibration certificate.

FEATURES

Depth gauges metric coarse pitch steel threads.

Supplied with calibration certificate.

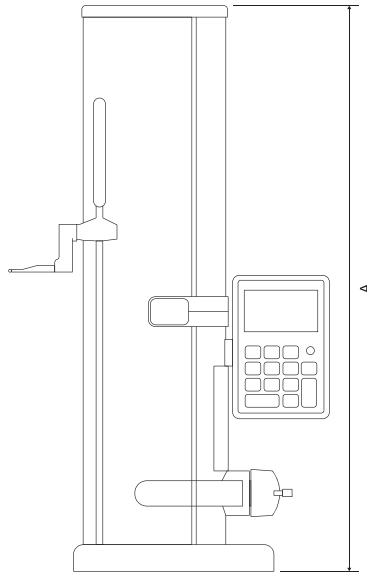
CAPITOLO G

ALTIMETERS



ALTIMETER

MEGAtower



| Code | Range mm | Base mm | A mm | Price List Page |
|----------|-------------|------------|---------|--------------------|
| GA050400 | 400 | 278 x 270 | 780 | |
| GA050700 | 700 | 278 x 270 | 1084 | |

FEATURES

Resolution 0.001 mm.
Electronically adjustable measuring force.
Touch probe balancing system.
Swiss-built, robust, accurate and reliable altimeter.
High-contrast, easy-to-use display unit.
RS232 and USB interface.
Equipped with air cushion for easy handling on the plane.
Supplied with 4 mm dia. ruby touch probe, calibration sample and protective cloth.

- Repeatability: 2 (Ø:4) µm
- Measuring force: N 0,75 ± 1,5
- Autonomy: 40 h
- Column protection: IP67
- Maximum error: 5 µm
- Perpendicularity error: 10 µm (GA050400)
15 µm (GA050700)

Supplied with calibration certificate.

ACCESSORIES

| |
|---------------------------------|
| ACC01006 |
| Mini USB connection cable |
| HA1561L |
| Instrument cleaning oil 1 litre |

BLUETOOTH® DATA TRANSMISSION KIT



| Code | Description | Price List Page |
|---------|-----------------------|--------------------|
| GA054BT | Data transmission kit | |



FEATURES

Bluetooth® data transmission kit for Trimos altimeters.

ALTIMETER

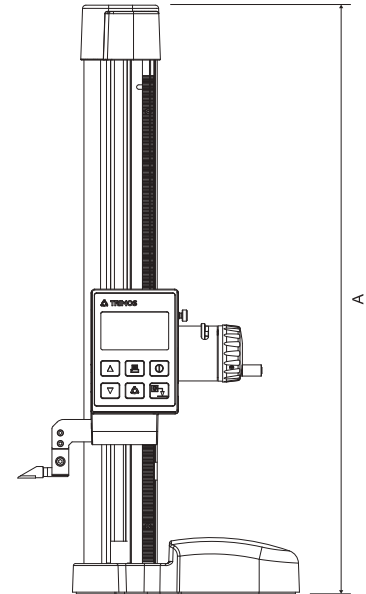
FEATURES

Ideal for those taking their first steps in precision measurement.
 The V1 model simplifies one-way measurement and plotting with remarkable ease.
 It offers a smooth transition for users accustomed to manual plotters, upgrading their instrument set without sacrificing simplicity and robustness.
 This instrument is designed to last, embodying the Swiss philosophy of durability and precision, with features designed for immediate application.
 Robust and easily transportable.
 Clear and simple user interface.
 Integrated counterweight in the column.
 Fast and smooth carriage movement.
 Designed and manufactured in Switzerland.
 RS232 connectivity.

- Repeatability: 10 µm
- Measuring force: N -
- Autonomy: 2000 h
- Maximum error: 18 µm (GA0050300)
30 µm (GA0050600)

Supplied with calibration certificate.

V1



| Code | Range mm | Price List Page |
|-----------|----------|-----------------|
| GA0050300 | 306 | |
| GA0050600 | 611 | |

ALTIMETER

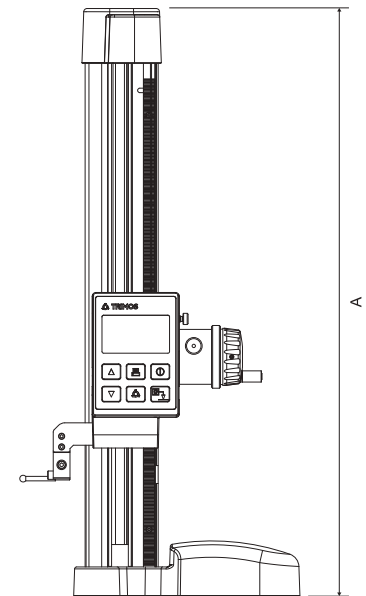
FEATURES

This model exceeds the core features of the V1 model, meeting the needs of those who wish to expand their measuring capabilities.
 It implements bi-directional measurement, which increases versatility without requiring additional accessories, and the V1+ is also perfect for measuring diameters, both internal and external.
 It also offers advanced fine adjustment and constant measuring force, both essential for improving measurement accuracy and repeatability.
 Robust and easily transportable.
 Clear and simple user interface.
 Integrated counterweight in the column.
 Fast and smooth carriage movement.
 Designed and manufactured in Switzerland.
 Diameter measuring capability.
 Measuring force management.
 RS232 connectivity.
 The +GR specification in the technical code indicates granite base.

- Repeatability: 5 µm
- Measuring force: N 3
- Autonomy: 2000 h
- Maximum error: 15 µm (GA0100300+) 25 µm (GA0100600+)

Supplied with calibration certificate.

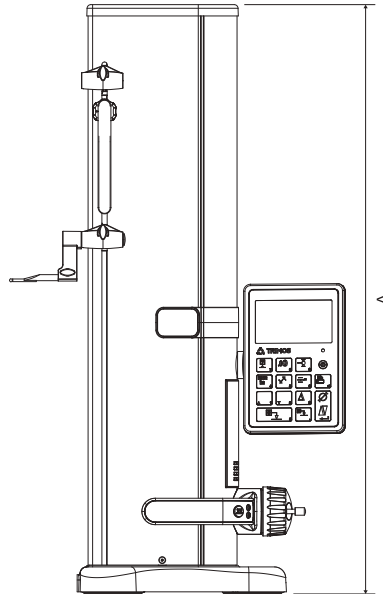
V1+



| Code | Range mm | Base mm | A mm | Price List Page |
|--------------|----------|-----------|------|-----------------|
| GA0100300P | 306 | 203 x 129 | 526 | |
| GA0100300GRP | 306 | 300 x 200 | 576 | |
| GA0100600P | 611 | 205 x 156 | 831 | |
| GA0100600GRP | 611 | 300 x 200 | 881 | |

ALTIMETER

V5



| Code | Range mm | Base mm | A mm | Price List Page |
|-----------|----------|-----------|------|-----------------|
| GA0600400 | 400 | 275 x 270 | 720 | |
| GA0600700 | 700 | 275 x 270 | 1020 | |
| GA0601100 | 1100 | 275 x 270 | 1420 | |



FEATURES

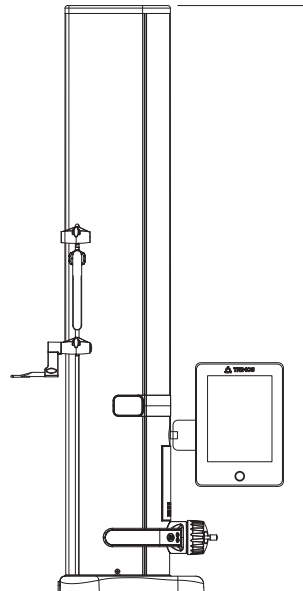
Resolution 0.0005 mm.
Swivelling digital display.
High-contrast, easy-to-use display unit.
Patented system for manual and motorised slider adjustment.
Fine adjustment function with integrated motor.
Robust, stable and precise design.
RS232, USB interface and optional wireless data output.
Automatic probe calibration function.
Can be used with different probes (Ø 4 mm as standard).

- Repeatability: 1(Ø:2)
- Measuring force: 0.75 ÷ 1.5
- Autonomy: 12 h
- Maximum error: 2.5 + L(mm)/400

Supplied with calibration certificate.

MOTORISED 2D ALTIMETER

V7



| Code | Range mm | Base mm | A mm | Price List Page |
|-----------|----------|-----------|------|-----------------|
| GA0700400 | 407 | 283 x 270 | 780 | |
| GA0700700 | 711 | 283 x 270 | 1084 | |
| GA0701100 | 1110 | 358 x 350 | 1482 | |
| GA0701800 | 1810 | 358 x 350 | 2180 | |



FEATURES

Resolution 0.01 0.001 0.0001 mm.
Completely redesigned and extremely robust cast-iron base structure.
Reinforced housing.
Trolley with external probe arm and double measuring arm holder.
Mechanically adjustable balance with the possibility of using long arms and a large number of probes.
Air cushion.
Comprehensive and quickly accessible measuring functions: planes, diameters, centre distances, graphical representation of the "EasyScan" reversal point, min/max and delta.
Calculation functions between all measurements in buffer.
Tolerance setting.
mm/inch conversion.
Angle measuring function.
Perpendicularity processing.
Management of 9 datums with dedicated PRESET values.
Two-dimensional measurements with graphical representation.
Temperature compensation function with input of expansion factor.
Free data export software to PC.
Heidenhain measuring system with possibility of integrating perpendicularity probe.
Integrated manual and motorised movement.

- Repeatability: 1 µm (Ø 2 µm)
- Measuring force: 0.75 ÷ 1.5
- Autonomy: 12 h
- Maximum error: 2 + L(mm)/400 (GA0700400 - GA0700700 - GA0701100)
2.5 + L(mm)/300 (GA0701800)

Supplied with calibration certificate.

FEATURES

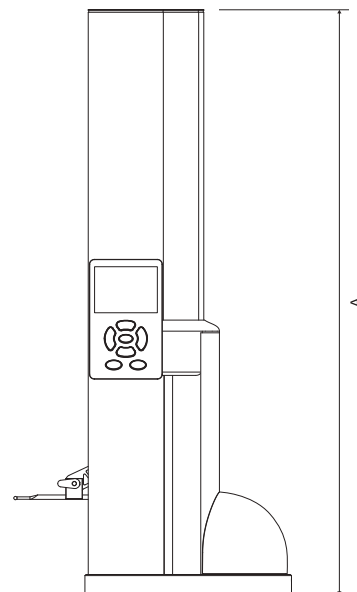
Resolution 0.001mm.
 Accuracy 2.5+L/175mm.
 Completely redesigned mechanics.
 Compact and handy.
 Switch on and measure, maximum simplicity.
 Measurement of heights, thicknesses, depths,
 inside/outside diameters and wheelbases.
 Integrated Bluetooth data transmission
 technology.
 Mini-USB and serial connectors for data
 transmission via cable.
 New generation progressive motorisation.
 Extremely low measuring force (adjustable
 0.2-0.3N).
 Simultaneous display of diameter and wheelbase.
 Quick probe change.
 Wide range of accessories.
 Small "A4 size" working surface.

- Repeatability: 1 µm
- Measuring force: N 0.25 ÷ 0.35
- Autonomy: 40^2 h
- Maximum error: 2.0 + L/200 µm

Supplied with calibration certificate.

ACCESSORIES

| |
|------------------------|
| ACC21STD |
| Standard accessory set |
| ACC21FULL |
| Full accessory set |

Hi_Cal V2 Smart


| Code | Range mm | Base mm | A mm | Price List Page |
|-----------------|-------------|------------|---------|--------------------|
| GA030155 | 0 ÷ 155 | 92 x 147 | 381 | |
| GA030320 | 0 ÷ 320 | 92 x 147 | 531 | |
| GA030470 | 0 ÷ 470 | 112 x 172 | 681 | |



GA053KIT20 comprising: Ball ferrule Ø2mm M2,5, Ball ferrule M2,5 4 PIN Ø1,5mm, Disc insert Ø7,7mm, Disc insert Ø11,5mm, Shoe ferrule 1mm, Ball ferrule M1,4 1mm carbide, Stylus M1,4 ball 2mm carbide, Stylus M1,4 ball 3mm carbide, M2,5 insert for M2,5 and M1,4 stylus, Stylus holder L=80mm M2,5, Stylus with Ø1mm x 10mm plug, Ø2mm ruby ball stylus, Ø1mm steel ball insert stylus, L=88mm knife stylus, Ø4mm stylus holder, Ø8mm and Ø4mm swivel stylus holder, M1,4 stylus tip 3mm carbide ball, 1,5 fork spanners, 1,5 hexagonal tap spanners, 2,5 hexagonal tap spanners, Plastic tube with cover Ø12mm L=50mm.



GA053KIT16 comprising: Ø4mm carbide ball stylus, Ø4mm L=80mm ball stylus, Ø4+Ø8mm L=150mm swivel stylus holder, Ø4+Ø8mm L=150mm swivel stylus holder, Ø4mm L=65mm 90° stylus holder, Ø2mm L=97mm plug stylus holder, L=95mm M2,5 stylus holder, Stylus holder L=124mm M2,5, Stylus holder L=200mm M2,5, Ball stylus Ø2mm M2,5, Disk insert Ø18mm, Stylus holder M1,4 ball 1mm carbide, Stylus holder M1,4 ball 2mm carbide, Stylus holder M1,4 ball 3mm carbide, Open end spanners 1,5, Hexagonal tap spanners 2,5.



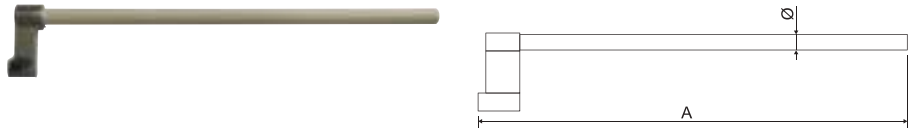
GA053KIT7 comprising: Ball stylus Ø4mm L=80mm, 90° stylus Ø4mm L=65mm, Plug stylus Ø2mm L=97mm, Ball stylus holder L=124mm M2,5, Ball stylus holder L=124mm M2,5, Disk insert Ø18mm, Hexagonal tap 2,5.

| Code | Pieces | Price List Page |
|------------|--------|-----------------|
| GA053KIT7 | 7 | |
| GA053KIT16 | 16 | |
| GA053KIT20 | 20 | |

CERAMIC PROBE HOLDER FOR ALTIMETERS

FEATURES

Ceramic probe holder for altimeters.

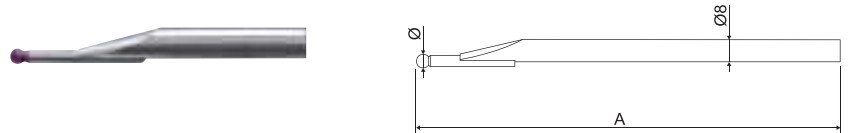


| Code | A mm | Ø mm | Price List Page |
|-----------|---------|---------|--------------------|
| GA0518300 | 330 | 8 | |

REPLACEMENT TOUCH PROBE FOR ALTIMETERS

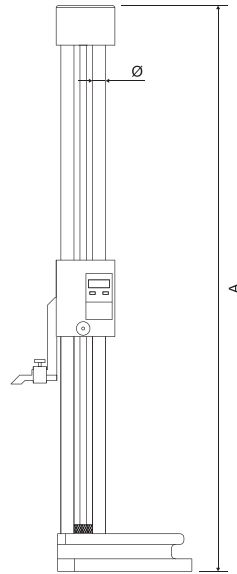
FEATURES

Ruby and carbide ball probes.



| Code | A mm | Ø mm | Sphere | Price List Page |
|------------|---------|---------|------------|--------------------|
| GA052R490 | 90 | 4 | Ruby | |
| GA052R5129 | 129 | 5 | Ruby | |
| GA052W175 | 75 | 1 | Hard metal | |
| GA052W2130 | 130 | 1 | Hard metal | |
| GA052W280 | 80 | 1 | Hard metal | |

IP54 DOUBLE-COLUMN DIGITAL TRUSKING



| Code | Range mm | Accuracy mm | Base mm | A mm | Ø mm | Price List Page |
|-----------|----------|-------------|-----------|------|------|-----------------|
| GA075300 | 0 ÷ 300 | ± 0,03 | 204 x 117 | 595 | 20 | |
| GA075600 | 0 ÷ 600 | ± 0,03 | 204 x 117 | 858 | 20 | |
| GA0751000 | 0 ÷ 1000 | ± 0,04 | 204 x 117 | 1058 | 20 | |

FEATURES

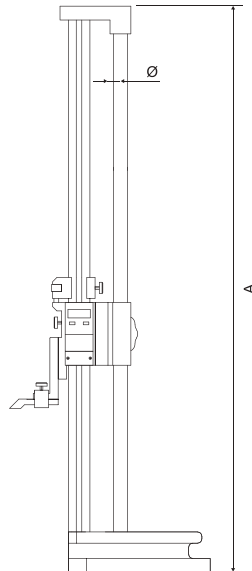
Resolution 0.01mm.
 IP54 protection.
 Electronics protected against dust and water sprays.
 Cast iron base rectified at all four points.
 Polished chrome-plated steel columns.
 LCD display.
 Stainless steel square tracer supplied, adjustable on housing key.
 Made with Sylvac electronics with preset and data output.
 With quick-change button.

Supplied with calibration certificate.

ACCESSORIES

| | |
|--------------------|-------------------------------|
| ACC02001 | 3V CR2032 battery |
| ACC01002 | OPTO-USB connection cable |
| ACC01003 | OPTO-RS232 connection cable |
| GA076COMP | Touch probe holder attachment |
| GA076OPT230 | Plotter L = 70 mm |
| GA076SPC235 | Goniometer holder |

DOUBLE-COLUMN DIGITAL TRUSKING



| Code | Range mm | Base mm | A mm | Ø mm | Section mm | Price List Page |
|----------|----------|-----------|------|------|------------|-----------------|
| GA090300 | 0 ÷ 300 | 150 x 100 | 512 | 16 | 31 x 7 | |
| GA090600 | 0 ÷ 600 | 190 x 120 | 812 | 20 | 31 x 7 | |

FEATURES

Resolution 0.01 mm.
 Base with ergonomic handle.
 Double steel column with adjustment for carriage rise and fall.
 Handwheel drive.
 Swiss electronics with preset, hold, data output functions.

Supplied with calibration certificate.

ACCESSORIES

| | |
|--------------------|-------------------------------|
| ACC02002 | Battery 1.5V LR44 |
| GA076COMP | Touch probe holder attachment |
| GA076OPT230 | Plotter L = 70 mm |
| GA076SPC235 | Goniometer holder |

DIGITAL TRUSKING

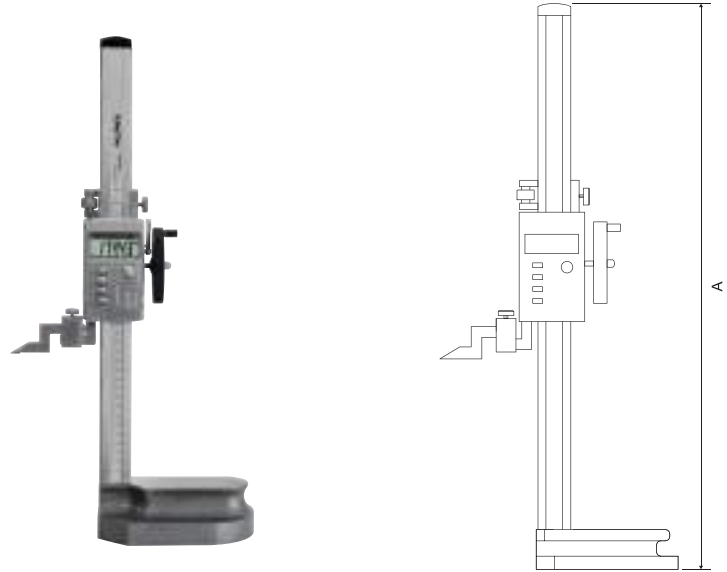
FEATURES

Resolution 0.01 mm.
 LCD display.
 Hardened stainless steel.
 With crank and rack.
 8 mm dia. probe holder included.

Supplied with calibration certificate.

ACCESSORIES

| |
|-----------------------|
| ACC02002 |
| Battery 1.5V LR44 |
| GA100PUNTA |
| Replacement drill bit |
| GA081COMP |
| Comparator holder |



| Code | Range mm | Accuracy mm | Base mm | A mm | Section mm | Punta mm | Price List Page |
|----------|----------|-------------|----------------|------|------------|----------|-----------------|
| GA095300 | 0 ÷ 300 | ± 0,04 | 132 x 91 x 54 | 550 | 35 x 15 | 10 x 12 | |
| GA095600 | 0 ÷ 600 | ± 0,05 | 180 x 120 x 54 | 830 | 35 x 15 | 10 x 12 | |

MULTIFUNCTION DIGITAL TRUSKING

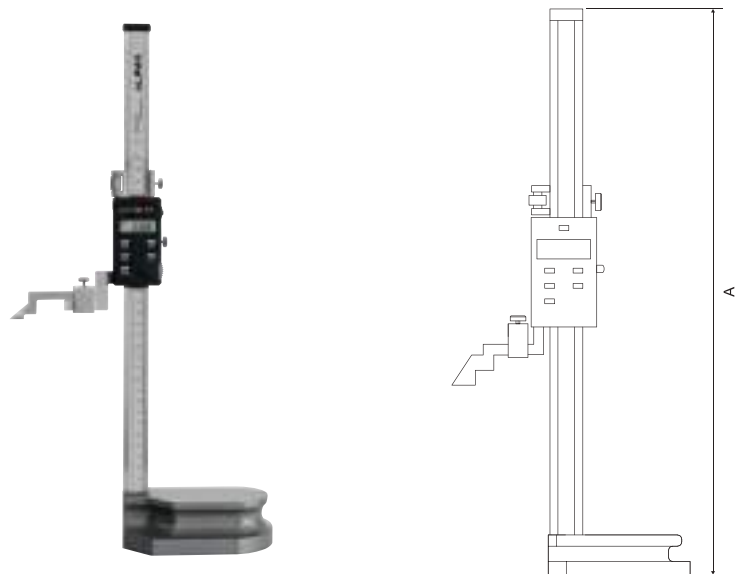
FEATURES

Resolution 0.01 mm.
 LCD display.
 Hardened stainless steel.
 Accessories available on request.
 Feeler attachment Ø 8 mm included.
 Feeler attachment and spare scribing tips available on request depending on model.

Supplied with calibration certificate.

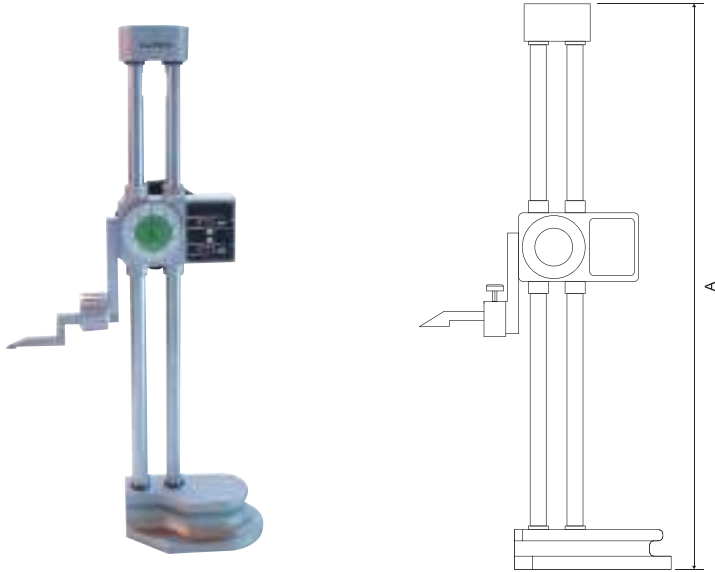
ACCESSORIES

| |
|------------------------|
| ACC02002 |
| Battery 1.5V LR44 |
| GA1000300TIP |
| Drill bit for 300 mm |
| GA1000500TIP |
| Tracing bit for 500 mm |
| GA081COMP |
| Comparator holder |



| Code | Range mm | Accuracy mm | Base mm | A mm | Section mm | Punta mm | Price List Page |
|-----------|----------|-------------|-----------------|------|------------|----------|-----------------|
| GA080300 | 0 ÷ 300 | ± 0,04 | 132 x 91 x 44 | 470 | 23 x 6 | 8 x 6 | |
| GA080500 | 0 ÷ 500 | ± 0,05 | 180 x 120 x 54 | 720 | 31 x 11 | 10 x 12 | |
| GA0801000 | 0 ÷ 1000 | ± 0,07 | 250 x 150 x 75 | 1280 | 50 x 16 | 15 x 10 | |
| GA0801500 | 0 ÷ 1500 | ± 0,11 | 280 x 180 x 100 | 1800 | 50 x 16 | 15 x 10 | |

DOUBLE-COLUMN CLOCKWORK SURFACE GAUGE



| Code | Range mm | Accuracy mm | Base mm | A mm | Ø mm | Comparator section mm | Price List Page |
|----------|----------|-------------|-----------|------|------|-----------------------|-----------------|
| GB010300 | 0 ÷ 300 | ± 0,04 | 135 x 90 | 480 | 15 | 12 x 9 | |
| GB010600 | 0 ÷ 600 | ± 0,05 | 180 x 120 | 810 | 20 | 12 x 9 | |

FEATURES

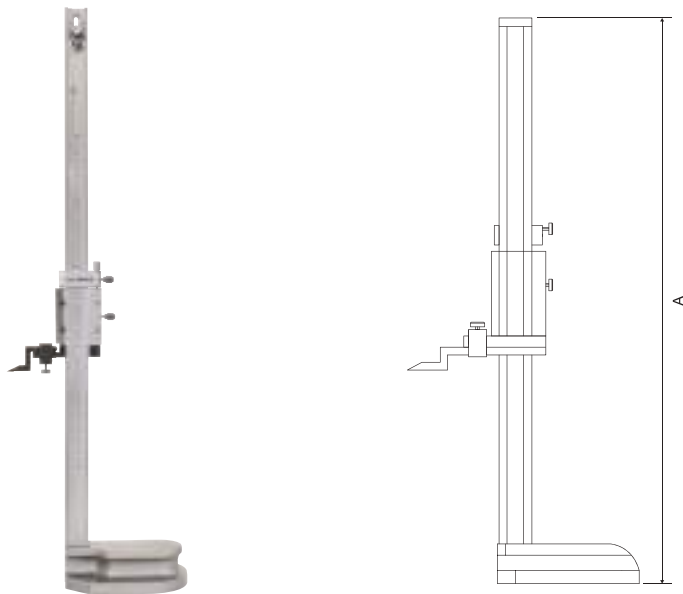
Resolution 0.01 mm.
Hardened stainless steel.

Supplied with calibration certificate.

ACCESSORIES

| |
|-------------------------------|
| GB100PUNTA |
| Replacement drill bit |
| GB100COMP |
| Touch probe holder attachment |

SURFACE GAUGE



| Code | Range mm | Accuracy mm | Base mm | A mm | Section mm | Price List Page |
|-----------|----------|-------------|-----------|------|------------|-----------------|
| GB020300 | 0 ÷ 300 | ± 0,03 | 135 x 90 | 540 | 35 x 12 | |
| GB020600 | 0 ÷ 600 | ± 0,06 | 180 x 120 | 880 | 35 x 12 | |
| GB0201000 | 0 ÷ 1000 | ± 0,06 | 265 x 160 | 1320 | 35 x 12 | |

FEATURES

Resolution 0.02 mm.
Cast iron base.
Stainless steel measuring rod.
Stroke with millimetre adjustment.
Carbide scribing tip.

Supplied with calibration certificate.

ACCESSORIES

| |
|----------------------------------|
| GB100PUNTA0300 |
| 300 mm drill bit 10x9 mm shank |
| GB100PUNTA0600 |
| 600 mm drill bit 10x9 mm shank |
| GB100PUNTA1000 |
| 1000 mm drill bit 14x11 mm shank |

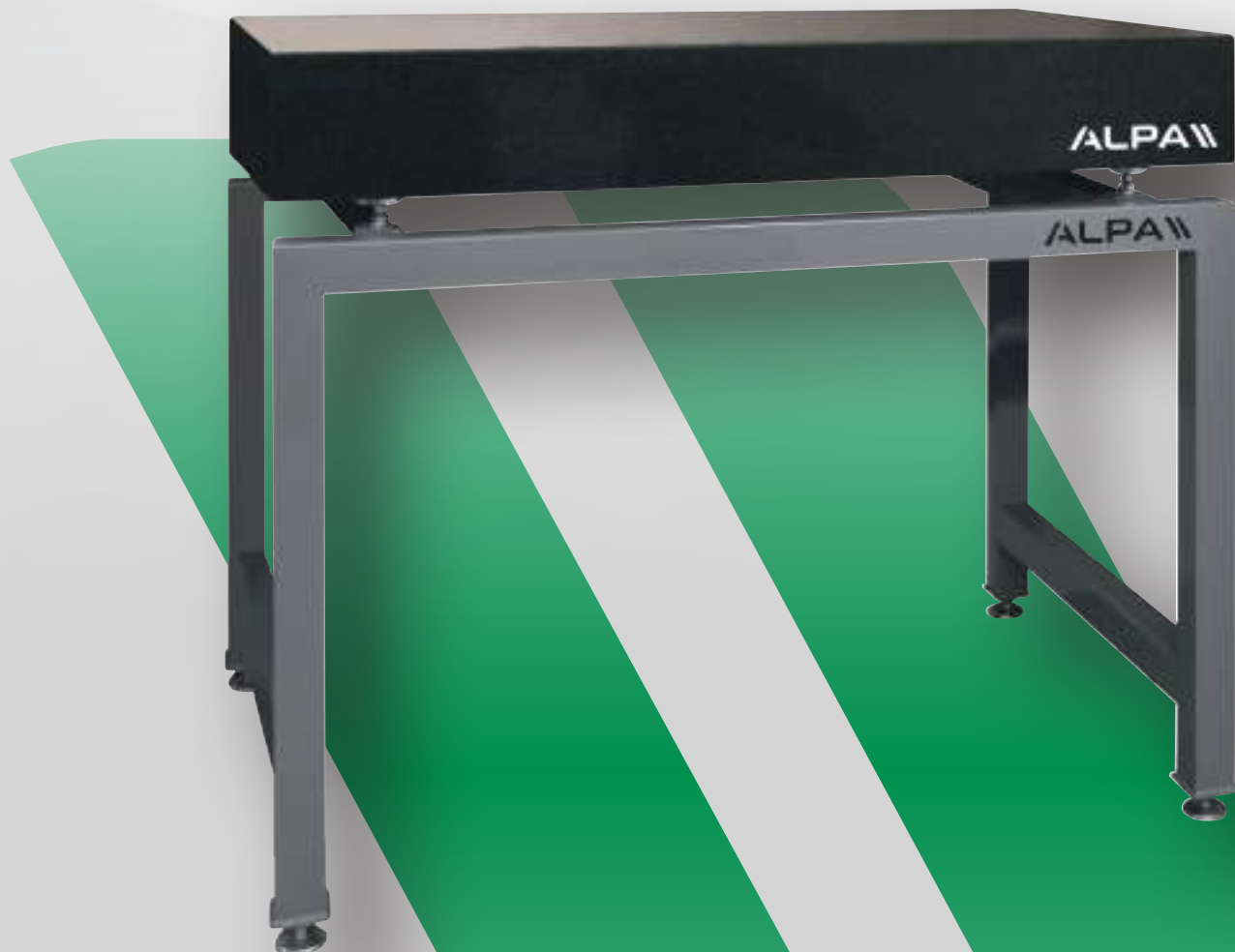
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TALLYING PLANS

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ALPAH



GROUND AND SCRAPED CAST IRON STRIKER PLATE



| Code | Dimensions mm | Accuracy µm | kg | Price List Page |
|-----------|------------------|----------------|----|--------------------|
| HA0102030 | 200 x 300 | ± 6,5 | 10 | |
| HA0103030 | 300 x 300 | ± 6,5 | 15 | |
| HA0103050 | 300 x 500 | ± 7,5 | 23 | |
| HA0104050 | 400 x 500 | ± 7,5 | 33 | |
| HA0104060 | 400 x 600 | ± 8 | 36 | |
| HA0105060 | 500 x 600 | ± 8 | 45 | |
| HA0105080 | 500 x 800 | ± 9 | 60 | |

FEATURES

Striker plates are used for the inspection and assembly of small parts.

The material of which they are made is pearlitic lamellar grey cast iron G25, with a hardness of 180-210 HB.

They are supplied with a machined surface and perfectly right-angled edges.

The type of finish also affects the final degree of precision.

Ground and scraped identify grade I° of table DIN 876.

The fundamental characteristic of this type of product is precisely the flatness relative to the working surface.

Supplied with calibration certificate.

SUPPORT COLUMN FOR CAST IRON SHELVES



| Code | Basic dimensions mm | Height mm | Height adjustable mm | Price List Page |
|-----------|------------------------|--------------|-------------------------|--------------------|
| HA0301713 | 170 | 130 | 200 - 300 | |
| HA0303720 | 370 | 200 | 300 - 450 | |
| HA0302730 | 270 | 300 | 390 - 570 | |
| HA0303040 | 300 | 400 | 500 - 700 | |
| HA0303050 | 300 | 500 | 600 - 800 | |
| HA0302255 | 220 | 550 | 650 - 860 | |

FEATURES

Cast from seasoned G26 cast iron.

Height adjustable with micrometer screw.

Truncated cone structure with countertop.

V-SHAPED PARALLEL STEEL BLOCKS



| Code | Dimensions mm | Accuracy mm | Price List Page |
|-----------|------------------|----------------|--------------------|
| HA03560 | 60 x 60 x 50 | ± 0,01 | |
| HA03575 | 75 x 75 x 60 | ± 0,01 | |
| HA03590 | 95 x 70 x 35 | ± 0,01 | |
| HA035100 | 100 x 80 x 60 | ± 0,01 | |
| HA035120 | 120 x 90 x 60 | ± 0,01 | |
| HA035150A | 150 x 100 x 60 | ± 0,01 | |

FEATURES

Machined and supplied in pairs.

90° hollow-forming surfaces.

Accuracy 0.01 mm.

0.10 mm on request.

Supplied with calibration certificate.

PAIR OF PRISMS WITH GROUND STEEL CLAMP

FEATURES

With two 90° V notches.
High precision of flatness and parallelism.

Supplied with calibration certificate.



| Code | Dimensions mm | Ø For shafts | Price List Page |
|---------|------------------|--------------|--------------------|
| HA04036 | 36 x 40 x 45 | 6 - 30 | |
| HA04040 | 40 x 45 x 70 | 6 - 32 | |
| HA04076 | 70 x 90 x 125 | 5 - 58 | |

MAGNETIC PRISM

FEATURES

Suitable for quick positioning during machining and testing operations.
Sold individually.

Supplied with calibration certificate.



| Code | Dimensions mm | V-shaped surface kg | Flat surface kgf | Price List Page |
|----------|------------------|------------------------|---------------------|--------------------|
| HA04280 | 80 x 56 x 72 | 55 | 70 | |
| HA042115 | 115 x 75 x 100 | 90 | 110 | |

PAIR OF PARALLEL V-SHAPED STEEL PRISMS

FEATURES

Accuracy 0.01 mm.
On request with accuracy 0.10 mm.
Machined in pairs.
Rectified.

Supplied with calibration certificate.



| Code | Dimensions mm | Accuracy mm | Price List Page |
|----------|------------------|----------------|--------------------|
| HA050075 | 75 x 40 x 40 | ± 0,01 | |
| HA050100 | 100 x 45 x 45 | ± 0,01 | |
| HA050150 | 150 x 55 x 55 | ± 0,01 | |
| HA050200 | 200 x 70 x 70 | ± 0,01 | |
| HA050250 | 250 x 85 x 85 | ± 0,01 | |

CONTROL CYLINDER



| Code | Height mm | Ø mm | kg | Price List Page |
|-----------|-----------|------|----|-----------------|
| HA045200 | 200 | 70 | 5 | |
| HA045300A | 300 | 80 | 14 | |
| HA045300B | 300 | 100 | 18 | |
| HA045400 | 400 | 100 | 25 | |
| HA045500A | 500 | 100 | 30 | |
| HA045500B | 500 | 120 | 40 | |

FEATURES

Stabilised cast iron G26 casting.
Finely ground striking surfaces.
Accuracy: cylindricity ± 0.01 mm.
Squareness $\pm (0.005 + L / 50,000)$ mm.

Supplied with calibration certificate.

SIMPLE BEVELLED SQUARE IN HARDENED STAINLESS STEEL



| Code | Dimensions mm | Price List Page |
|----------|---------------|-----------------|
| HA09050 | 50 x 40 | |
| HA09075 | 75 x 50 | |
| HA090100 | 100 x 70 | |
| HA090150 | 150 x 100 | |
| HA090200 | 200 x 130 | |
| HA090250 | 250 x 165 | |
| HA090300 | 300 x 200 | |

FEATURES

The two chamfered and lapped sides allow for more accurate visual inspection.
Fully ground high-precision square being manufactured and tested according to strict procedures, following DIN 875/00.
Equipped with serial number.

Supplied with calibration certificate.

BEVELLED SQUARE WITH HARDENED STAINLESS STEEL CAP



| Code | Dimensions mm | Price List Page |
|----------|---------------|-----------------|
| HA09250 | 50 x 40 | |
| HA09275 | 75 x 50 | |
| HA092100 | 100 x 70 | |
| HA092150 | 150 x 100 | |
| HA092200 | 200 x 130 | |
| HA092250 | 250 x 165 | |
| HA092300 | 300 x 200 | |

FEATURES

The two chamfered and lapped sides allow for more accurate visual inspection.
Fully ground high-precision square being manufactured and tested according to strict procedures, following DIN 875/00.
Equipped with serial number.

Supplied with calibration certificate.

SIMPLE SQUARE IN HARDENED STAINLESS STEEL

FEATURES

Fully ground on faces.
High-precision.
Manufactured and tested to high quality standards according to DIN 875/0.
With serial number.

Supplied with calibration certificate.



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| HA08550 | 50 x 40 | |
| HA08575 | 75 x 50 | |
| HA085100 | 100 x 70 | |
| HA085150 | 150 x 100 | |
| HA085200 | 200 x 130 | |
| HA085250 | 250 x 165 | |
| HA085300 | 300 x 200 | |

HARDENED STAINLESS STEEL HAT SQUARE

FEATURES

Fully ground on faces.
High-precision.
Manufactured and tested to high quality standards according to DIN 875/0.
With serial number.

Supplied with calibration certificate.



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| HA07550 | 50 x 40 | |
| HA07575 | 75 x 50 | |
| HA075100 | 100 x 70 | |
| HA075150 | 150 x 100 | |
| HA075200 | 200 x 130 | |
| HA075250 | 250 x 165 | |
| HA075300 | 300 x 200 | |

SIMPLE SQUARE IN NON-DEFORMABLE STEEL

FEATURES

Fully ground on faces.
High precision.
Manufactured to close tolerances and in accordance with DIN 875/1.

Supplied with calibration certificate.



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| HA08050 | 50 x 40 | |
| HA08075 | 75 x 50 | |
| HA080100 | 100 x 70 | |
| HA080150 | 150 x 100 | |
| HA080200 | 200 x 130 | |
| HA080250 | 250 x 165 | |
| HA080300 | 300 x 200 | |
| HA080400 | 400 x 250 | |
| HA080500 | 500 x 300 | |

SQUARE WITH NON-DEFORMABLE STEEL CAP



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| HA07050 | 50 x 40 | |
| HA07075 | 75 x 50 | |
| HA070100 | 100 x 70 | |
| HA070150 | 150 x 100 | |
| HA070200 | 200 x 130 | |
| HA070250 | 250 x 165 | |
| HA070300 | 300 x 200 | |

FEATURES

Fully ground on faces.
High precision.
Manufactured to close tolerances and in accordance with DIN 875/1.

Supplied with calibration certificate.

HARDENED STAINLESS STEEL GUARDRAIL



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| HA09550 | 50 | |
| HA09575 | 75 | |
| HA095100 | 100 | |
| HA095150 | 150 | |
| HA095200 | 200 | |
| HA095250 | 250 | |
| HA095300 | 300 | |
| HA095400 | 400 | |
| HA095500 | 500 | |

FEATURES

Designed for fast and precise checking of flatness, parallelism and straightness.
Straightened with lapped contact angle.
Supplied with insulated handle.
Built to DIN 874/00.

Supplied with calibration certificate.

STAINLESS STEEL MILLIMETRE RULE WITH BEVEL



| Code | Dimensions mm | kg | Price List Page |
|-----------|------------------|------|--------------------|
| HA100500 | 500 x 43 x 5 | 0,85 | |
| HA100750 | 750 x 43 x 5 | 1,27 | |
| HA1001000 | 1000 x 43 x 5 | 1,70 | |
| HA1001500 | 1500 x 43 x 5 | 2,55 | |
| HA1002000 | 2000 x 43 x 5 | 3,40 | |

FEATURES

Conforms to DIN 866/A.

Supplied with calibration certificate.

STAINLESS STEEL MILLIMETRE RULE WITHOUT BEVEL

FEATURES

Conforms to DIN 866/A.

Supplied with calibration certificate.



| Code | Dimensions mm | kg | Price List Page |
|-----------|------------------|------|--------------------|
| HA105500 | 500 x 43 x 5 | 0,90 | |
| HA105750 | 750 x 43 x 5 | 1,30 | |
| HA1051000 | 1000 x 43 x 5 | 1,80 | |
| HA1051500 | 1500 x 43 x 5 | 2,60 | |
| HA1052000 | 2000 x 43 x 5 | 3,50 | |

STEEL CONTROL LINE

FEATURES

Conforms to DIN 874/1.

Supplied with calibration certificate.



| Code | Dimensions mm | kg | Price List Page |
|-----------|------------------|------|--------------------|
| HA110500 | 500 x 50 x 10 | 1,50 | |
| HA110750 | 750 x 50 x 10 | 2,30 | |
| HA1101000 | 1000 x 60 x 12 | 4,50 | |
| HA1101500 | 1500 x 60 x 12 | 6,60 | |

HARDENED STAINLESS STEEL CONTROL LINE

FEATURES

Suitable for high-precision checks.

Ground on all faces.

With handle and double-T section for stability and lightness.

With serial number.

Built to DIN 874/1.

Supplied with calibration certificate.



| Code | Dimensions mm | Section mm | kg | Price List Page |
|-----------|------------------|---------------|-------|--------------------|
| HA115500 | 500 | 50 x 12 | 2 | |
| HA1151000 | 1000 | 70 x 15 | 4,70 | |
| HA1151500 | 1500 | 90 x 20 | 14 | |
| HA1152000 | 2000 | 90 x 20 | 19 | |
| HA1153000 | 3000 | 90 x 20 | 31,50 | |

BLACK GRANITE COUNTERTOP



| Code | Dimensions mm | Accuracy mm | kg | Price List Page |
|-----------|-------------------|-------------|------|-----------------|
| HA120250 | 250 x 160 x 40 | ± 0,003 | 5 | |
| HA120300 | 300 x 200 x 50 | ± 0,003 | 9 | |
| HA120400 | 400 x 400 x 60 | ± 0,003 | 32 | |
| HA120630 | 630 x 400 x 80 | ± 0,004 | 62 | |
| HA120800 | 800 x 500 x 100 | ± 0,004 | 130 | |
| HA1201000 | 1000 x 630 x 140 | ± 0,004 | 260 | |
| HA1201200 | 1200 x 800 x 160 | ± 0,005 | 460 | |
| HA1201600 | 1600 x 1000 x 180 | ± 0,006 | 900 | |
| HA1202000 | 2000 x 1000 x 220 | ± 0,006 | 1300 | |

FEATURES

Amagnetic, non-conducting.
Made of stainless material.
African Black Grade "0".
Supplied with test certificate DIN 876/0.

Supplied with calibration certificate.

COUNTERTOP IN ABSOLUTE BLACK DIABASE GRANITE



| Code | Dimensions mm | Accuracy mm | kg | Price List Page |
|-----------|------------------|-------------|-----|-----------------|
| HA118630 | 630 x 400 x 90 | ± 0,0013 | 68 | |
| HA118800 | 800 x 500 x 120 | ± 0,0014 | 144 | |
| HA1181000 | 1000 x 630 x 140 | ± 0,0016 | 265 | |
| HA1181200 | 1200 x 800 x 160 | ± 0,0018 | 490 | |

FEATURES

Non-magnetic, non-conducting.
Made of stainless steel material.
Absolute black base Grade "00".

Supplied with calibration certificate.


SUPPORT TABLE FOR GRANITE TOP

FEATURES

Rectangular painted steel construction.
Suitable for granite tops.
Levelling pins.
Adjustable feet.
Suitable for use in metrology rooms only.

Supplied with calibration certificate.



| Code | Dimensions mm |  kg | Price List Page |
|------------|------------------|--|--------------------|
| HA125600 | 600 x 400 | 30 | |
| HA1251000A | 1000 x 630 | 55 | |
| HA1251200 | 1200 x 800 | 80 | |
| HA1251500 | 1500 x 1000 | 100 | |
| HA1252000 | 2000 x 1000 | 120 | |


BLACK GRANITE LINE

FEATURES

Suitable for high-precision checks.
One lapped stop face.
Size 1200 mm: grips at ends.
Size 2000 mm: through holes for lifting.
Supplied with test certificate DIN 876/0.
On request in absolute black diabase.

Supplied with calibration certificate.



| Code | Dimensions mm | Accuracy mm |  kg | Price List Page |
|-----------|------------------|----------------|--|--------------------|
| HA130300 | 300 x 30 x 50 | ± 0,0013 | 1,30 | |
| HA130400 | 400 x 40 x 60 | ± 0,0014 | 2,80 | |
| HA130500 | 500 x 50 x 80 | ± 0,0015 | 4,20 | |
| HA130630 | 630 x 50 x 80 | ± 0,0016 | 7,20 | |
| HA130800 | 800 x 50 x 100 | ± 0,0018 | 12 | |
| HA1301000 | 1000 x 60 x 120 | ± 0,002 | 21 | |
| HA1301400 | 1400 x 60 x 150 | ± 0,0024 | 41 | |
| HA1301600 | 1600 x 80 x 180 | ± 0,0026 | 52 | |
| HA1302000 | 2000 x 80 x 200 | ± 0,003 | 105 | |

BLACK GRANITE DOUBLE T FLAT BAR



| Code | Dimensions mm | Parallelism μ | Accuracy mm | kg | Price List Page |
|-----------|------------------|-------------------|--------------|----|-----------------|
| HA135500 | 500 x 50 x 80 | 3 | $\pm 0,0015$ | 5 | |
| HA135750 | 750 x 50 x 80 | 3,4 | $\pm 0,002$ | 8 | |
| HA1351000 | 1000 x 60 x 140 | 4 | $\pm 0,002$ | 23 | |
| HA1351500 | 1500 x 80 x 180 | 5 | $\pm 0,0026$ | 40 | |
| HA1352000 | 2000 x 100 x 220 | 6 | $\pm 0,003$ | 80 | |

FEATURES

Two flat, parallel lapped faces.
Double-T section for stability and lightness.
Parallelism tolerance is equal to flatness tolerance.
On request in absolute black diabase.

Supplied with calibration certificate.

BLACK GRANITE CONTROL SQUARE



| Code | Dimensions mm | Flatness mm | Accuracy mm | Perpendicularity mm | kg | Price List Page |
|-----------|------------------|-------------|--------------|---------------------|-----|-----------------|
| HA140300 | 300 x 200 x 60 | 2,5 | $\pm 0,0016$ | 2,5 | 6 | |
| HA140400 | 400 x 250 x 80 | 3/2,5 | $\pm 0,0018$ | 3 | 10 | |
| HA140500 | 500 x 300 x 60 | 3/2,5 | $\pm 0,002$ | 3,5 | 20 | |
| HA140630 | 630 x 400 x 80 | 3 | $\pm 0,0023$ | 4 | 35 | |
| HA1401000 | 1000 x 630 x 100 | 4/3 | $\pm 0,0026$ | 6 | 120 | |

FEATURES

Suitable for perpendicularity checks.
Manufactured to very tight tolerances and with stable support.
Relief holes are drilled in the large squares.
Surfaces are lapped.
Grade "00" finish with accuracies as per table.
Available in absolute black diabase on request.

Supplied with calibration certificate.

GRANITE PRISM WITH 90° V



| Code | Dimensions mm | Accuracy mm | kg | Price List Page |
|----------|----------------|--------------|-----|-----------------|
| HA150100 | 100 x 70 x 50 | $\pm 0,001$ | 1 | |
| HA150150 | 140 x 100 x 60 | $\pm 0,0011$ | 2,5 | |
| HA150200 | 200 x 140 x 70 | $\pm 0,0012$ | 5 | |
| HA150250 | 250 x 220 x 70 | $\pm 0,0013$ | 10 | |

FEATURES

Machined V and counter surfaces, sold individually.
On request in absolute black diabase.

Supplied with calibration certificate.

GRANITE COUNTERTOP BLOCK WITH 2 LAPPED SURFACES

FEATURES

Two lapped and parallel surfaces.
Sold individually.
On request in absolute black diabase.

Supplied with calibration certificate.



| Code | Dimensions mm | Accuracy mm | kg | Price List Page |
|----------|-----------------|-------------|----|-----------------|
| HA145100 | 100 x 100 x 100 | ± 0,001 | 3 | |
| HA145150 | 150 x 150 x 150 | ± 0,0011 | 10 | |
| HA145200 | 200 x 200 x 200 | ± 0,0012 | 24 | |

GRANITE COUNTERTOP BLOCK WITH 4 LAPPED SURFACES

FEATURES

Four lapped and parallel surfaces.
Sold individually.
On request in absolute black diabase.

Supplied with calibration certificate.



| Code | Dimensions mm | Accuracy mm | kg | Price List Page |
|----------|-----------------|-------------|----|-----------------|
| HA147100 | 100 x 100 x 100 | ± 0,001 | 3 | |
| HA147150 | 150 x 150 x 150 | ± 0,0011 | 10 | |
| HA147200 | 200 x 200 x 200 | ± 0,0012 | 24 | |

CLEANER FOR LAPPED SURFACES

FEATURES

Special cleaning liquid for lapped surfaces.



| Code | L | Price List Page |
|-----------|-----|-----------------|
| HA1550,5L | 0,5 | |
| HA1555L | 5 | |

PRUSSIAN BLUE STRIKER PASTE

FEATURES

Ideal for locating high areas during scraping operations or contact points between parts to achieve assembly precision.
It is used by contacting the reference surface that is blue and the surface to be checked.
The blue parts highlight the areas to be scraped.
Does not dry.
Does not harden.
Long life.



| Code | g | Price List Page |
|------------|-----|-----------------|
| HA154PASTA | 200 | |

GRANITE INSTRUMENT CLEANING OIL



| Code | L | Price List Page |
|---------|---|-----------------|
| HA1561L | 1 | |

FEATURES

Cleaning and maintenance element for granite measuring and control instruments.

GRANITE POLISHING OIL



| Code | Packaging | Quantity ml | Price List Page |
|-----------|-----------|-------------|-----------------|
| HA1600,5L | Can | 500 | |
| HA1605L | Can | 5000 | |

FEATURES

Product designed and formulated to protect, revitalise, preserve and polish diabase granite countertops.

CAPITOLO L

MEASURING MACHINES



Spider



LA138 | DESCRIPTION

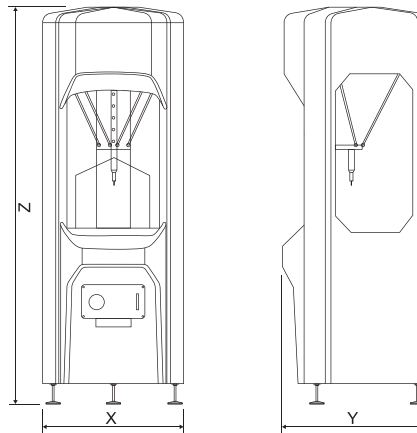
CNC 3D measuring machine with special design and delta motion. Maximum performance even in the most extreme production environments. Integrated temperature control with 5 sensors. Operation without compressed air supply. Easy positioning, thanks to its small footprint, close to machines on the shop floor and on production lines, even in automation, in all weather conditions. Precise and easy to use. Minimises inspection time ensuring maximum efficiency on in-line measuring operations.

LA138 | FEATURES

Accuracy μm TP20 (2.6 + L/250).
 Accuracy μm SP25M (2.3 + L/250).
 Line resolution μm 0.1.
 Operating temperature $^{\circ}\text{C}$ 5-45.
 Granite table top.
 Max. load kg 200.
 Compressed air: No.
 Speed Movement mm/sec 500.
 Acceleration mm/sec² 700.
 Motion Brushless motors and linear bearings.

The machine must not be subjected to abrupt changes in temperature and with a maximum variation of 1 $^{\circ}$ /hour

Spider



LA138 | TECHNICAL INFORMATION

| Code | LA138370 | LA138520 |
|--------------------------|------------------|------------------|
| Dimensions X - Y - Z mm | 730 x 715 x 2000 | 990 x 950 x 2200 |
| Axis travel X - Y - Z mm | Ø370 x 270 | Ø520 x 300 |



FEATURES Automatic tool offset correction and automation options allow integration into fully automated production cells. The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine.

AUTOMATION Fully sealed recirculating cross roller bearings and stainless steel scales ensure immunity to dirt. Swiss-made brushless motors and Deva's new motion control system ensure reliability on the shop floor. Smooth belt drives and linear bearings allow long styli to be used without false alarms due to vibration.

DESIGN Not only is it quick and easy to perform individual inspections, but this machine also offers ample access for batch inspection or to facilitate automatic loading. With a larger measurement volume and a smaller overall footprint than any shop-floor CMM of comparable size, it can be placed exactly where measurement is needed.

LA138 | STANDARD EQUIPMENT

- **LA2623DCNC**: Aberlink 3D measuring software for touch probe feature inspection
- **LA230CONSPID**: Windows® based controller and 22" monitor
- **LA237SON89**: Renishaw TP20 probe system
- **LA931D1L20**: Stylus Ø1 - L = 20 mm
- **LA930D2L20**: Stylus Ø2 - L = 20 mm
- **LA932D4L20**: Stylus Ø4 - L = 20 mm
- **LA933D3L20**: Extension L = 20 mm
- **LA934STELLAM2**: Fixed star Ø2 Span 30 mm
- **LA129SPIDBALL**: Ceramic qualification sphere Ø 19,050 mm with magnetic coupling.
- **LA172JOYSTD**: Deva magnetic joystick as standard.
- Full 12-month warranty on parts and labour.
- Free software updates: no support contract.

LA138 | ACCESSORIES

| | |
|-------------------|--------------------------|
| LA135RACK | 3-position probe changer |
| LA140RACK | 6-position probe changer |
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA135ROBOT | Interface for automation |
| LA176OC | Tool offset compensation |

Axiom



LA140 | DESCRIPTION

ALPA Axiom coordinate measuring machines guarantee speed, precision and reliability on every type of measurement.

The aerospace-alloy structure guarantees optimum speed performance during program execution.

Through the innovative Aberlink 3D software, temperature compensation can be programmed according to the workpiece material. This makes ALPA Axiom machines ideal even in environments where the temperature is stable but not 20°C.

The table consists of a mixed aluminium honeycomb and granite structure that guarantees no flexing and vibrations with a load capacity of up to 300 kg (optional full granite table with a load capacity of up to 500 kg).

LA140 | FEATURES

Accuracy μm TP8 (2.4 + 0.4L/100).

Accuracy μm TP20 (2.1 + 0.4L/100).

Line resolution μm 01.

Optimum temperature °C 18-22.

Operating temperature °C 5-45.

Honeycomb granite or Solid (optional).

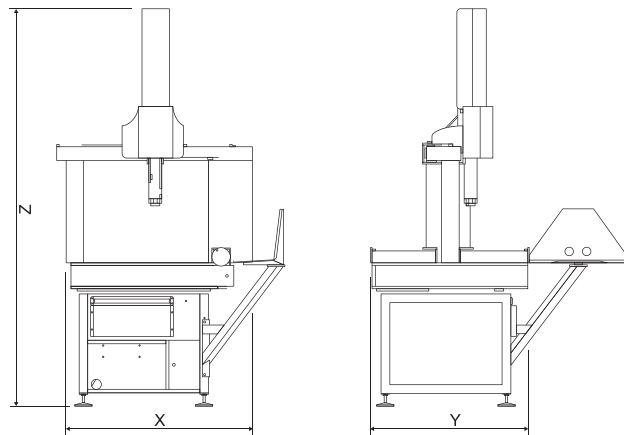
Load kg 300 (honeycomb), kg 500 (solid).

Compressed Air 7 bar (100psi) / 100 l/min (3.53cfm).

Manual movement with micrometric knobs and Kevlar belts.

Max. permissible error MPEE, subject to optimum temperature between 18°C and 22°C and $\Delta < 1^\circ\text{C}/\text{h}$ or $< 2^\circ\text{C}/24\text{h}$

Axiom



LA140 | TECHNICAL INFORMATION

| Code | LA140600 | LA140900 | LA1401200 |
|--------------------------|-------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1130 x 900 x 2320 | 1130 x 1200 x 2320 | 1130 x 1500 x 2320 |
| Axis travel X - Y - Z mm | 640 x 600 x 500 | 640 x 900 x 500 | 640 x 1200 x 500 |



FEATURES The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.

AUTOMATION Sliding on air bearings and movement by means of knobs. Oversized frictionless air bearings, all-aluminium bridge and granite table.

DESIGN Measurement volume that allows the inspection of even medium to large workpieces. With a larger measurement volume and a smaller overall footprint than any shop-floor CMM of comparable size, it can be placed in smaller inspection chambers.

LA140 | STANDARD EQUIPMENT

- **LA2623DCMM:** Aberlink 3D Measuring Software for Feature Inspection with Touch Probe
- **LA230CONMAN:** Windows® based controller
- **LA136DM22:** 22" monitor
- **LA933TP8:** Renishaw TP8 probe system
- **LA935D2L21:** M3 Styles Ø1 - L=20mm
- **LA936D1L21:** M3 Styles Ø2 - L=20mm
- **LA939D4L21:** M3 Styles Ø4 - L=20mm
- **LA937D4L20:** M3 extension L=20mm
- **LA938STELLAM3:** Fixed Star M3 Ø2 Span 30mm
- **LA128BALLM6:** Ceramic Qualification Sphere Ø19.050 mm (M6 connection)
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA140 | ACCESSORIES

| | |
|------------------|--------------------|
| LA174TEMP | Temperature sensor |
| LA136DM22 | Dual 22" monitors |
| LA260COMP | 3D CAD comparison |

Axiom



LA150 | DESCRIPTION

ALPA Axiom coordinate measuring machines guarantee speed, precision and reliability on every type of measurement.

They can be used with touch, scanning or camera probes.

The aerospace-alloy construction guarantees optimum speed performance during program execution.

Through the innovative Aberlink 3D software, temperature compensation can be programmed according to the workpiece material. The supporting table consists of a mixed aluminium-granite structure that guarantees no bending and vibration with a load capacity of up to 300 kg (optional granite table with a load capacity of up to 500 kg).

The axes of the CNC machine are moved using the intuitive DEVA joystick for fast and reliable measurements.

After measurement, the software independently calculates all the necessary movements for automatic re-measurement of the part and subsequent parts, also allowing the automatic export and saving of reports.

LA150 | FEATURES

Accuracy μm TP8 (2.1 + 0.4L/100).

Accuracy μm TP20 (2.1 + 0.4L/100).

Accuracy μm TP200 (2.0 + 0.4L/100).

Accuracy μm SP25M (1.8 + 0.4L/100).

Resolution μm 0.1.

Optimum Temperature $^{\circ}\text{C}$ 18-22.

Operating Temperature $^{\circ}\text{C}$ 5-45.

Granite Honeycomb Tabletop, solid (optional).

Load Capacity kg 300 (honeycomb), kg 500 (solid).

Max. Movement Speed mm/sec 850.

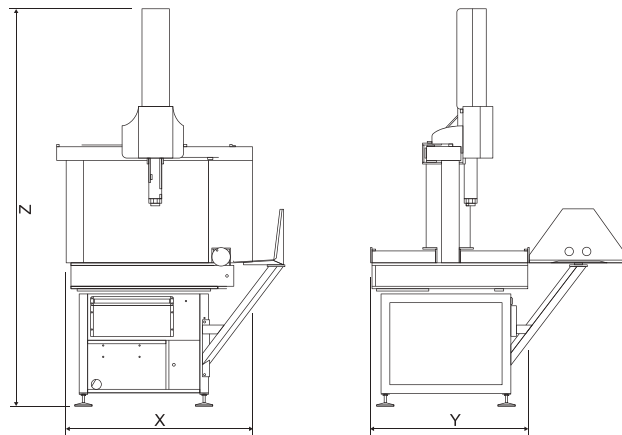
Acceleration mm/s² 850.

Compressed Air 7 bar (100 psi) - 100 l/min (3.53 cfm).

Brushless Motors and Kevlar belts.

Max. permissible error MPEE, subject to optimum temperature between 18 $^{\circ}\text{C}$ and 22 $^{\circ}\text{C}$ and $\Delta < 1^{\circ}\text{C}/\text{h}$ or $< 2^{\circ}\text{C}/24\text{h}$

Axiom



LA150 | TECHNICAL INFORMATION

| Code | LA150600 | LA150900 | LA1501200 |
|--------------------------|-------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1040 x 900 x 2320 | 1040 x 1200 x 2320 | 1040 x 1500 x 2320 |
| Axis travel X - Y - Z mm | 640 x 600 x 500 | 640 x 900 x 500 | 640 x 1200 x 500 |



FEATURES The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.

AUTOMATION The all-aluminium arm structure ensures both low inertia, resulting in faster job execution, and that the arm temperature quickly follows the room temperature, ideal when the CMM is not located in a controlled environment.

DESIGN The high-tech granite and aluminium table, originally developed for the optical industry, offers excellent natural high-frequency vibration limitation, while the granite Y-guide allows preloading of the bridge air bearings in both directions for improved accuracy.

LA150 | STANDARD EQUIPMENT

- **LA2623DCNC:** Aberlink 3D Measuring Software for Feature Inspection with Touch Probe
- **LA230CNCNC:** Windows® based controller
- **LA136DM22:** Dual 22" monitors
- **LA933TP8:** Renishaw TP8 probe system
- **LA935D2L21:** M3 Styles Ø1 - L = 20 mm
- **LA936D1L21:** M3 Styles Ø2 - L = 20 mm
- **LA939D4L21:** Styles M3 Ø4 - L = 20 mm
- **LA937D4L20:** M3 extension L = 20 mm
- **LA938STELLAM3:** Fixed Star Ø2 Span 30 mm
- **LA128BALLM6:** Ceramic Qualification Sphere Ø19.050 mm (M6 connection)
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA150 | ACCESSORIES

| | |
|----------------------|-----------------------|
| LA172JOYTOUCH | Joystick touch screen |
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA136DM22 | Dual 22" monitors |

Halo



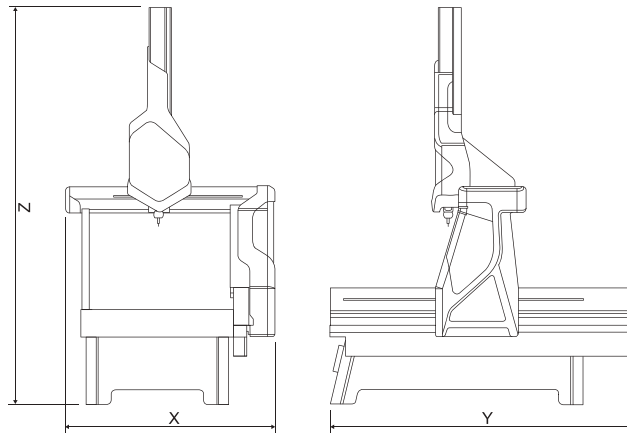
LA161 | DESCRIPTION

Alpa Halo co-ordinate measuring machines maintain the same structure and usable volume as the linear motor model.
 Brushless motor drive system and oversized Kevlar belts for smooth, flowing motion allow for a more compact, smaller overall footprint.
 Accuracy better than 1.8 microns.
 Frictionless air bearings.
 Laser mapping for better accuracy.
 Available in different head/probe configurations.
 Granite top.

LA161 | FEATURES

Accuracy μm TP20 (2.1 + 0.4 L/100).
 Accuracy μm TP200 (2.0 + 0.4 L/100).
 Accuracy μm SP25M (1.8 + 0.4 L/100).
 Line resolution μm 01.
 Operating temperature $^{\circ}\text{C}$ 5 - 45.
 Max. travel speed mm/s 1000.
 Acceleration mm/s² 1000.
 Air consumption l/min - (cfm) 100 - (3.53).
 Pressure bar - (psi) 7 - (100).
 Load capacity kg 1000.
 Movement Belt drive and Brushless motor.

Halo



LA161 | TECHNICAL INFORMATION

| Code | LA1611000HA | LA1611600HA | LA1611200HA | LA1612000HA |
|--------------------------|--------------------|--------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1403 x 1530 x 2503 | 1403 x 2130 x 2503 | 1603 x 1830 x 2987 | 1603 x 2630 x 3037 |
| Axis travel X - Y - Z mm | 800 x 1000 x 600 | 800 x 1600 x 600 | 1000 x 1200 x 800 | 1000 x 2000 x 800 |



FEATURES The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.



AUTOMATION The Halo CNC CMM is an exceptional machine with fast and fluid movements, ideal for even large workpieces.



DESIGN The Halo belt drive system is an evolution of the popular Axiom CMM range. It offers an economical, repeatable and robust drive system suitable for medium-sized measuring tasks.

LA161 | STANDARD EQUIPMENT

- **LA2623DCNC:** Aberlink 3D measurement software for touch probe feature inspection
- **LA230CNCNC:** Windows® based controller
- **LA136DM27:** Dual 27" monitors
- **LA172JOYSTD:** Deva Magnetic Joystick for models (LA1611000HA and LA1611600HA)
- **LA172JOYTOUCH:** Deva Touchscreen joystick for models (LA1611200HA and LA1612000HA)
- **LA901TP20SF:** Renishaw TP20 probe system
- **LA931D1L20:** Stylus Ø1 - L = 20 mm
- **LA930D2L20:** Stylus Ø2 - L = 20 mm
- **LA932D4L20:** Stylus Ø4 - L = 20 mm
- **LA933D3L20:** M2 extension L = 20 mm
- **LA938STELLAM3:** Fixed Star Ø2 Span 30 mm
- **LA128BALLM6:** Ceramic Qualification Sphere Ø19.050 mm (M6 connection)
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA161 | ACCESSORIES

| | |
|----------------------|-----------------------|
| LA174TEMP | Temperature sensor |
| LA172JOYSTD | Standard joysticks |
| LA172JOYTOUCH | Joystick touch screen |
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA136DM27 | Dual 27" monitors |

Horizon



LA155 | DESCRIPTION

Alpa Horizon machines are the epitome of technological innovation applied in the range of three-dimensional measurement.

The unique linear motor drive system applied to the centre of gravity of the structure gives faster movement and greater measurement accuracy.

The granite base and Y-axis guideway have been designed to take full advantage of the natural thermal density of this material. The linear drive system has been positioned away from the encoder so that the heat generated is absorbed by the granite without compromising metrology performance.

The new dimensions of the measuring gantry provide excellent versatility, allowing it to be used for a variety of applications.

Ideal for continuous scanning configuration.

LA155 | FEATURES

Accuracy μm TP20 (1.8 + L/350).

Accuracy μm TP200 (1.7 + L/350).

Accuracy μm SP25M (1.5 + L/350).

Resolution μm 0.1.

Optimum Temperature $^{\circ}\text{C}$ 18-22.

Operating Temperature $^{\circ}\text{C}$ 5-45.

Granite Tabletop.

Load Capacity kg 1000.

Max. Displacement Speed mm/sec 1000.

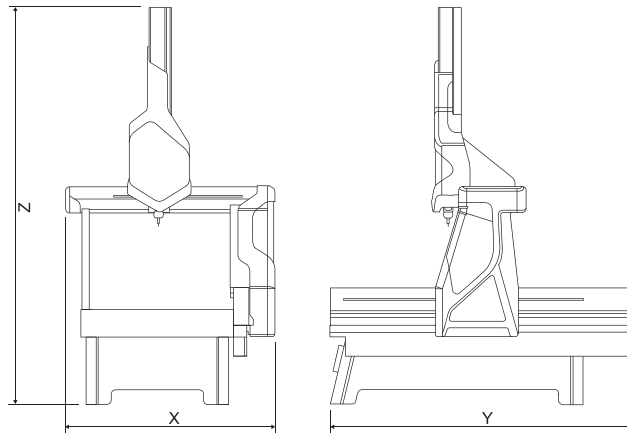
Acceleration mm/s^2 1000.

Compressed Air 7 bar (100 psi) - 100 l/min (3.53 cfm).

Linear Motor Motion.

Max. permissible error MPEE, subject to optimum temperature between 18 $^{\circ}\text{C}$ and 22 $^{\circ}\text{C}$ and $\Delta < 1^{\circ}\text{C/h}$ or $< 2^{\circ}\text{C/24h}$

Horizon



LA155 | TECHNICAL INFORMATION

| Code | LA1551000 | LA1551200 | LA1551600 | LA1552000 |
|--------------------------|--------------------|--------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1403 x 1530 x 2700 | 1603 x 1830 x 3110 | 1403 x 2130 x 2700 | 1603 x 2630 x 3160 |
| Axis travel X - Y - Z mm | 800 x 1000 x 600 | 1000 x 1200 x 800 | 800 x 1600 x 600 | 1000 x 2000 x 800 |



FEATURES The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.

AUTOMATION Horizon is an exceptional machine with fast, smooth and silent movements, ideal for touch-trigger scanning and an initial accuracy of less than two microns.

DESIGN Linear motors are non-contact and therefore have no wear parts, making them the perfect solution for CMM drives, improving reliability and reducing maintenance.

LA155 | STANDARD EQUIPMENT

- **LA2623DCNC:** Aberlink 3D Measuring Software for Feature Inspection with Touch Probe
- **LA230CNCNC:** Windows® based controller
- **LA136DM27:** Double monitor 27"
- **LA172JOYSTD:** Deva Magnetic Joystick for models (LA1551000 and LA1551600)
- **LA172JOYTOUCH:** Deva Touchscreen joystick for models (LA1551200 and LA1552000)
- **LA930RTP20:** Renishaw TP20 probe system
- **LA931D1L20:** Stylus Ø1 - L=20 mm
- **LA930D2L20:** Stylus Ø2 - L=20 mm
- **LA932D4L20:** Stylus Ø4 - L= 20 mm
- **LA933D3L20:** M2 extension L = 20 mm
- **LA128BALLM6:** Ceramic Qualification Sphere Ø19.050 mm (M6 connection)
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA155 | ACCESSORIES

| | |
|----------------------|-----------------------|
| LA174TEMP | Temperature sensor |
| LA172JOYSTD | Standard joysticks |
| LA172JOYTOUCH | Joystick touch screen |
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA136DM27 | Dual 27" monitors |

Azimuth



LA170 | DESCRIPTION

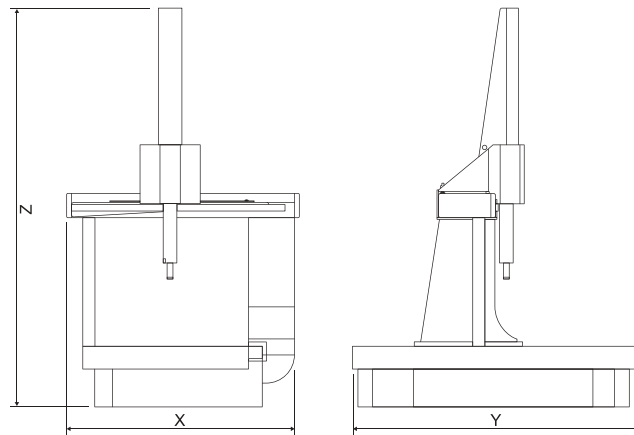
Alpa Azimuth large CMMs are designed and built with a focus on structure and materials. The bridge's aerospace-grade aluminium honeycomb structure ensures both strength, low weight and rigidity, making the machine accurate, fast and high performance. The innovative motion system allows movement and precise measurements up to 3 metres. Available with different head/probe configurations.

LA170 | FEATURES

Accuracy μm TP8 (2.9 + 0.4L/100).
 Accuracy μm TP20 (2.9 + 0.4L/100).
 Accuracy μm TP200 (2.8 + 0.4L/100).
 Accuracy μm SP25M (2.6 + 0.4L/100).
 Line resolution μm 01.
 Optimal Temperature $^{\circ}\text{C}$ 18-22.
 Operating Temperature $^{\circ}\text{C}$ 5-45.
 Granite Table Top.
 Load Capacity kg 1500 (standard), kg 6000 (optional).
 Max. Movement Speed mm/sec 600.
 Acceleration mm/sec² 600.
 Compressed Air 7 bar (100 psi) - 100 l/min (3.53 cfm).
 Brushless Motors and Kevlar belts.
 Motion.

* Max. permissible error MPEE, subject to optimum temperature between 18 $^{\circ}\text{C}$ and 22 $^{\circ}\text{C}$ and $\Delta < 1^{\circ}\text{C}/\text{h}$ or $< 2^{\circ}\text{C}/24\text{h}$

Azimuth



LA170 | TECHNICAL INFORMATION

| Code | LA170200 | LA170300 |
|--------------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1940 x 3000 x 3595 | 1940 x 4000 x 3595 |
| Axis travel X - Y - Z mm | 1200 x 2000 x 1000 | 1200 x 3000 x 1000 |



FEATURES The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.

AUTOMATION For a machine of this size, the Azimuth is not only fast, but also extremely accurate. The drive systems offer simplicity and reliability, and the new system used on the Y-axis ensures that there is no degradation in performance over the entire range of machine dimensions offered up to 3 m.

DESIGN Instead of simply increasing the thickness of the granite table, which increases the cost and weight of the machine, we offer a specially designed load plate to be placed on the granite base. This plate can support a load of up to six tonnes, which is then transmitted directly through the feet of the machine table to the floor, without any loss of metrological performance.

LA170 | STANDARD EQUIPMENT

- **LA2623DCNC:** Aberlink 3D Measuring Software for Feature Inspection with Touch Probe
- **LA230CNCNC:** Windows® based controller
- **LA136DM27:** Dual 27" monitors
- **LA172JOYTOUCH:** Deva Touchscreen joystick
- **LA933TP8:** Renishaw TP8 probe system
- **LA935D1L21:** M3 Styles Ø1 - L = 20 mm
- **LA936D2L21:** M3 Styles Ø2 - L = 20 mm
- **LA939D4L21:** Styles M3 Ø4 - L = 20 mm
- **LA937D4L20:** L20 M3 extension
- **LA938STELLAM3:** Fixed Star Ø2 Span 30 mm
- **LA128BALLM6:** Ceramic Qualification Sphere Ø19.050 mm (M6 connection)
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA170 | ACCESSORIES

| | |
|------------------|--------------------|
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA174TEMP | Temperature sensor |
| LA136DM27 | Dual 27" monitors |

ABERLINK 3D SOFTWARE



FEATURES

The Aberlink 3D software is intuitive, fast and innovative.

As soon as a component is measured, its representation appears on the screen and the operator can call up all the dimensions and geometries as they appear on the technical drawing by simply clicking on the features.

The inspection report, either graphic or tabulated, can be exported in either Excel or PDF format, and can also perform statistical SPC Cp and Cpk checks of parts measured in series.

Constantly self-learning, the software automatically generates the measurement program and all the safety movements around the component, thus allowing the program to be repeated on subsequent parts at the touch of a button.

The special construction of the software, in addition to the continuous research and development, makes it possible to meet the real needs of inspection engineers. Available in several languages, the 3D software is the result of continuous research and design to meet the real needs of inspection engineers. The special construction of the software, in addition to making operations easy and extremely precise, drastically reduces the operator's learning time and allows the setting of geometric and dimensional tolerances (GD&T) and the import/export of files in DXF format for 2D comparison..

VISION SOFTWARE



FEATURES

The Vision software is designed to enable non-contact measurement and detection through the use of the camera. It can be used on both manual and CNC machines. Colour images, autofocus, digital zoom, white LED and UV light.

3D CAD COMPARISON SOFTWARE

FEATURES

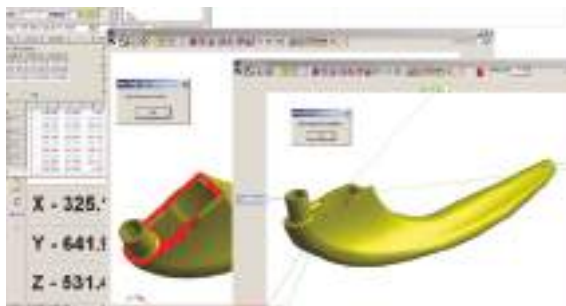
The CAD 3D Comparison software module allows the points of the measured component to be compared with the mathematical CAD model and is particularly dedicated to the inspection of objects with complex profiles.

The points are characterised in green if in tolerance, in red, yellow or blue if out of tolerance, according to the different degree.

The reports are thus easy to read and are immediately visible on the screen in graphic and tabular form.

The CAD 3D software allows the import of 3D IGES or STEP files.

The collected data can be exported to Excel sheets.



| Code | Description | Price List Page |
|-----------|-------------------|-----------------|
| LA260COMP | 3D CAD comparison | |

3D CAD PROGRAMMING SOFTWARE

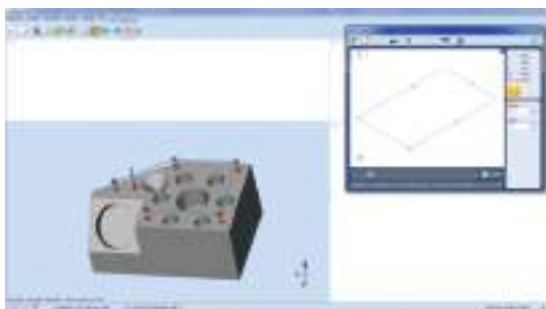
FEATURES

To prepare the measurement before having a component, all you need to do is have the geometric drawing made in CAD, IGES or STEP format.

Then simply click on the surface of the model the points to be measured and the software will write the program to measure the part as if it were physically controlled by the machine.

Our 3D CAD programming module can be used either directly on the measuring machine or in off-line programming.

With simple operations you can measure planes, circumferences and cylinders.



| Code | Description | Price List Page |
|-----------|--------------------|-----------------|
| LA261PROG | 3D CAD programming | |

TP8 HEAD



| Code | Repeatability µm | Price List Page |
|----------|---------------------|--------------------|
| LA943TP8 | 0,5 | |

FEATURES

The TP8 head is a standard model with manual orientation fitted as standard on all ALPA CMMs. The TP8 is supplied with 2 joints to allow the probe to be positioned either in rotation or in elevation to orientate the probe according to measurement requirements.

The probe requires retooling after each head movement and is compatible with the M3 stylus range.

HEAD MH20I



| Code | Positions | Repeatability µm | Price List Page |
|------------|-----------|---------------------|--------------------|
| LA944MH20I | 168 | 1,5 | |

FEATURES

The MH20i head allows manual positioning from 0 to 90° in the A-axis and 360° in the B-axis in 15° increments without having to retrain the touch probe.

Ideal for manual machines, it is supplied with a TP20 module that accepts the M2 stylus range.

HEAD RTP20



| Code | Positions | Repeatability µm | Price List Page |
|------------|-----------|---------------------|--------------------|
| LA940RTP20 | 168 | 1,5 | |

FEATURES

The RTP20 head offers an optimal solution for those requiring automatic positioning on CNC machines.

Supplied with a TP20 module that accepts the M2 stylus range, it can be positioned in 15° increments from 0 to 90° in the A-axis and 360° in the B-axis. Automatic movement is via the machine axes using a rod mounted on the granite table.

The RTP20 can be supplied with the MCR20 6-port automatic "Change Rack" probe changer.

PH10T PLUS HEAD



FEATURES

The PH10T Plus head is fully motorised and allows positioning from 0 to 105° in the A-axis and 360° in the B-axis in 7.5° increments, making it particularly suitable for those who require speed and more precise alignment on the component to be measured.

It can be supplied with TP20 and TP200 modules that accept the M2 stylus range and the MCR20 or SCR200 automatic change rack probes.

| Code | Positions | Repeatability µm | Price List Page |
|------------|-----------|---------------------|--------------------|
| LA941PH10T | 720 | 0,4 | |

PH20 HEAD WITH CONTINUOUS INDEXING



FEATURES

The PH20 head capture system allows measuring points to be captured by simply moving the head while the CMM gantry remains stationary.

Points can be captured faster, with greater accuracy and repeatability.

PH20's infinite positioning possibilities ensure optimal access to features.

Simultaneous 5-axis movement allows large parts to be measured on the CMM, reducing the amount of space required to rotate the head around the part.

The PH20 automatically aligns with the part's co-ordinate system, thus avoiding heeling and eliminating the need for complex fixturing.

The PH20 head is bound to the Renishaw MCU joystick and UCC T5 controller.

| Code | Positions | A-axis range | B-axis range | Angular resolution rad | Price List Page |
|-----------|-----------|--------------|--------------|---------------------------|--------------------|
| LA942PH20 | Infinite | 115° | 360° | 0,4 | |

PH10M PLUS HEAD



FEATURES

The PH10M Plus head is fully motorised and allows positioning from 0 to 105° in the A-axis and 360° in the B-axis in 7.5° increments, making it particularly suitable for those requiring speed and more precise alignment of the component being measured.

It can be supplied with the PH10T Plus modules or with the SP25M, which incorporates multiwire technology for continuous scanning and the possibility of mounting long-reach styli.

It also supports automatic changing of the FCR 25-6 or FCR 25-MRS change rack probes.

| Code | Positions | Repeatability µm | Price List Page |
|------------|-----------|---------------------|--------------------|
| LA945PH10M | 720 | 0,4 | |

HEAD PH6M



| Code | Repeatability μm | Price List Page |
|-----------|--------------------------------|--------------------|
| LA946PH6M | 1 | |

FEATURES

The PH6M head is a fixed model with the SP25M incorporating multiwire technology for continuous scanning and the ability to mount long extension styli.

Suitable for those who do not require alignment on the component, it can be supplied with the FCR 25-6 or FCR 25-MRS 'Change Rack' automatic probe changer.

TP20 PROBE



| Code | Attachment | Repositioning on the gearbox μm | Price List Page |
|-------------|------------|---|--------------------|
| LA901TP20SF | Magnetic | ± 1 | |

FEATURES

The TP20 probe is robust and general-purpose, and can also be used in conjunction with the MCR20 change rack to facilitate automatic probe changes. TP20 modules can be supplied with different contact forces and accept M2 styli up to 60 mm or with extension modules for greater depths.

TP200 PROBE



| Code | Attachment | Manual repositioning μm | Price List Page |
|--------------|------------|---------------------------------------|--------------------|
| LA902TP200SF | Magnetic | ± 1 | |

FEATURES

The TP200 probe uses load cell technology (strain gauges) so it is not affected by shape and lobing errors.

Can be combined with the SCR200 change rack for automatic probe changing.

Available with standard or low force, supports M2 styli up to 100 mm.

SP25 CONTINUOUS SCANNING PROBE

FEATURES

The SP25 continuous scanning probe uses laser technology with an isolated optical transducer to quickly acquire more points on the inspected part, allowing improved shape error detection. Various modules are available to optimise scanning performance using M3 styli up to 400 mm. Can be combined with the FCR 25-6 or FCR 25-MRS change rack system.



| Code | Module mm | Stylus mm | Resolution μ m | Price List Page |
|-----------|------------------|-----------|--------------------|-----------------|
| LA903SP25 | \varnothing 25 | 20 + 400 | < 0,1 | |

FASTENING KITS

FEATURES

The new generation of clamping systems offers advantageous solutions for a wide variety of requirements.

T-slot and T-nut systems provide continuous adjustment of clamping components in multiple directions: clamps, locating pins and holders can be positioned at various points on the plate.

The clamping systems are flexible and easy to assemble.

More than 100 light aluminium alloy and stainless steel parts, hardened and anodised for durability under harsh conditions.

- **MCS19-25:** 4 pieces - Spacer \varnothing 19x25 mm
- **MCS19-38:** 4 pieces - Spacer \varnothing 19x38 mm
- **MCS19-50:** 4 pieces - Spacer \varnothing 19x50 mm
- **MCS19-75:** 4 pieces - Spacer \varnothing 19x75 mm
- **MCS19-100:** 4 pieces - Spacer \varnothing 19x100 mm
- **MCJSM6:** 2 pcs - Mini adjusting screw
- **MCCL19:** 4 parts - Conical positioner
- **MCSW:** 1 piece - Swivel head
- **MCCSA-300:** 1 piece - T-slide 300 mm
- **MSTB-1:** 1 piece - Sliding block
- **MCAR:** 4 pieces - Spherical stop
- **MCLR150:** 2 pieces - V-block 150 mm
- **MCA90-1:** 4 pieces - L-connectors
- **CTS01:** 6 pieces - Spring clamping
- **MCR6-100T:** 3 pieces - Clamping rod 100 mm
- **MCR6-200T:** 3 pieces - Clamping rod 200 mm
- **MCLN:** 10 pieces - Locking bolt
- **MCTS8:** 30 pieces - Screw with nylon tip
- **MCTN1:** 12 pieces - T-bolt
- **MCTS:** 2 pieces - Knurled head screw
- **MC6:** 2 pieces - M6 assembly clamp
- **TSC2:** 2 pieces - Clamp
- **TS2:** 2 pieces - Knurled screw



| Code | Clamping base mm - (in) | Price List Page |
|-----------|-------------------------|-----------------|
| LA171FP-S | 300 x 450 (11.8 x 17.7) | |
| LA171FP-M | 450 x 450 (17.7 x 17.7) | |
| LA171FP-L | 650 x 450 (25.6 x 17.7) | |

MAGNETIC CHAMBER CMM



| Code | Description | Price List Page |
|-------------|-------------------------------------|-----------------|
| LA173CCD250 | Camera with 250 mm reflective plane | |
| LA173CCD600 | 600 mm reflecting plane camera | |
| LA173CCD900 | 900 mm reflecting plane camera | |

FEATURES

The camera measuring system allows ALPA CMMs to be used for non-contact inspection thanks to an intelligent magnetic coupling that allows heads to be easily interchanged and components to be inspected both by contact and by vision.

SPECIFICATIONS

- Ring lighting with 16 white and UV LEDs
- Telecentric lenses
- 3 Mega pixel video sensor
- Resolution 2048 x 1536 QXGA
- Field of view 9.5 mm (minimum)
- Pixel size 4.8 μ m

COLLIMATED LIGHT CHAMBER

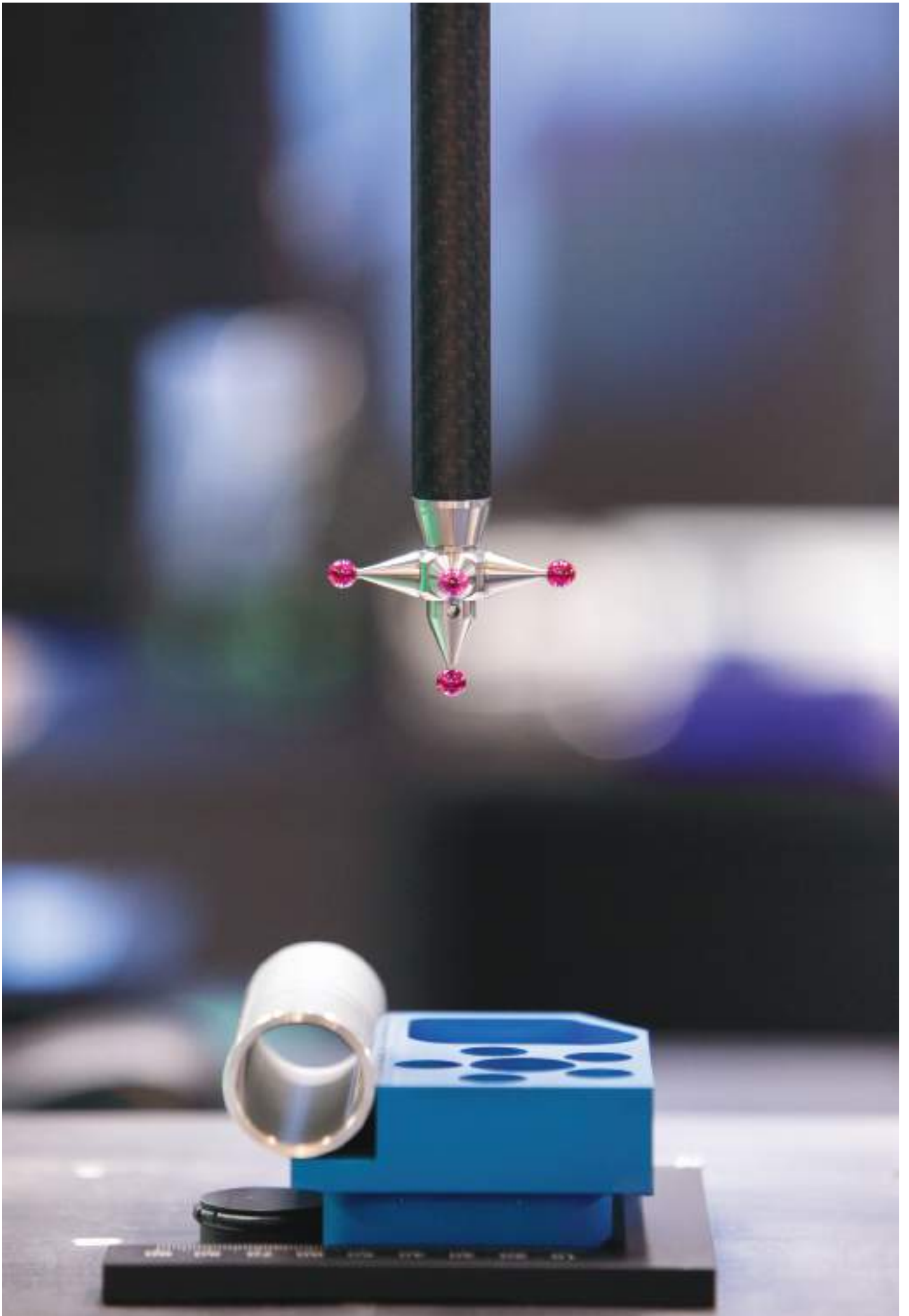


| Code | Dimensions mm | Measuring range mm | Maximum load kg | Price List Page |
|----------|----------------|--------------------|-----------------|-----------------|
| LA947COL | 460 x 550 x 70 | 300 x 300 | 2 | |

FEATURES

The latest collimated light for CNC measuring machines (CMMs) allows backlit illumination of 3D or turned components when used with the camera system.

By using the collimated light to backlight components, a clear and sharp contour image is achieved, similar to that of a profile projector. This single LED light, fully CNC-controlled, follows the movements of the camera mounted on the machine gantry, ensuring that components are always backlit. The new improved design is compatible with all our Cartesian CMMs and is fully programmable and controllable via Aberlink vision software.



Fulcrum



LA145 | DESCRIPTION

Fulcrum is a manual CMM that uses 3 rotary axes to optimise inspection time and improve the production process without having to wait for feedback from final quality control, thus avoiding production bottlenecks.

The software has been made even simpler, while retaining the full functionality of traditional CMMs. After manual inspection of the part in point-to-point or continuous scanning mode, features are immediately recognised by automatically displaying the measured dimensions.

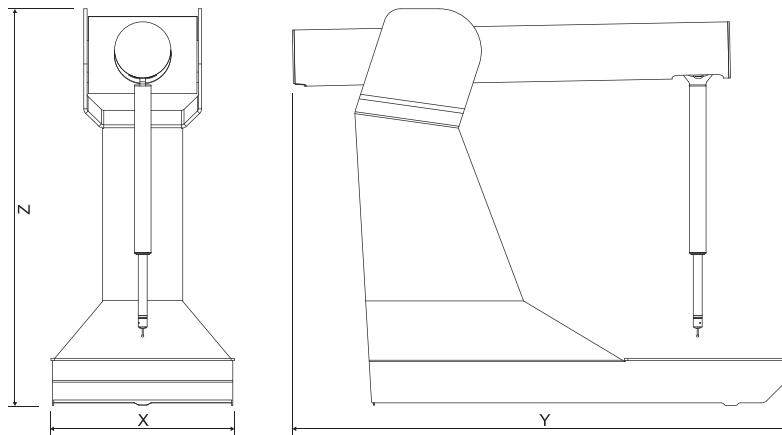
The intuitive software, ease of use and innovative design allow even less experienced operators to quickly check the parts to be measured.

LA145 | FEATURES

Accuracy μm ($5.0 + L/1000$).
 Line resolution μrad 1.15.
 Operating temperature $^{\circ}\text{C}$ 5 - 45.
 Optimum temperature $^{\circ}\text{C}$ 18 - 22.
 Compressed air No.
 Manual movement.

The machine must not be subjected to abrupt changes in temperature and a maximum variation of 1° /hour.

Fulcrum



LA145 | TECHNICAL INFORMATION

| | |
|--------------------------|-----------------|
| Code | LA145280 |
| Dimensions X - Y - Z mm | 335 x 830 x 725 |
| Axis travel X - Y - Z mm | 280 x 280 x 150 |



FEATURES Magnetic buttons allow rapid switching between functions without using the mouse. They can be positioned anywhere on the measuring surface. It is also possible to programme these buttons to perform any function in the Aberlink software.

AUTOMATION Magnetic jigs allow the workpiece to be clamped quickly, ensuring that all points are precisely measured.

DESIGN Compact and lightweight, easy to place on the shop floor or control areas. The compact and portable design allows it to be used wherever it is needed, in production close to the machine tools, in the quality control area or at a third party.

LA145 | STANDARD EQUIPMENT

- **LA2623DCMM:** Aberlink 3D Measuring Software for Feature Inspection with Touch Probe
- **LA230CONMAN:** Windows® based controller
- **LA147FUL6:** Stylus Ø 6 M4.
- **LA147FUL3:** Stylus Ø 3 M4.
- Qualifying Fixtures Factors
- Full 12-month warranty on parts and labour.
- Free software updates, no service contract.

LA145 | ACCESSORIES

| | |
|---------------|--|
| LA260COMP | 3D CAD comparison |
| LA146STAR2 | Fixed star Ø 2 mm |
| LA146KITSTIL1 | Upgrade to 3D with Ø3 mm and Ø6 mm stars |
| LA146HGS2 | Ø2 stylus for undercut |
| LA146HGS3 | Ø3 stylus for undercut |
| LA146KITACC | Fastening kits |
| LA147FUL2 | Stylus Ø2 |

C4



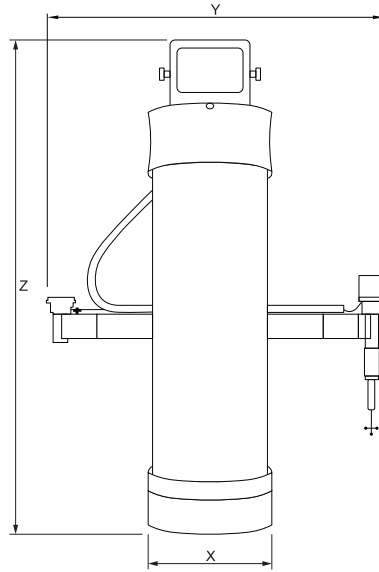
LA860 | DESCRIPTION

C4 is the world's first truly portable CNC coordinate measuring machine designed for the shop floor. Portable: Weighing only 13.5 kg, the C4 CNC accompanies you wherever you need it. You no longer need to bring the part to the CMM, the C4 can be used directly in the production process. Easy to use: the C4 can be connected to a portable PC. The product concept is designed for optimum user experience and ease of use. C_Line comes standard with firmware for probe qualification and individual measurement functions; for complete measurements it relies on Aberlink 3D software.

LA860 | FEATURES

Measuring range: 270x270x250 mm.
Resolution: 0.001 mm.
Accuracy: LDIA 8 µm.
Dimensions: 420x172x620 mm.
Weight: 13.5 kg.
Contacts: Renishaw TP20.

C4



LA860 | TECHNICAL INFORMATION

| Code | LA860C4E | LA860C4W |
|-------------------------|-----------------|-----------------|
| Dimensions X - Y - Z mm | 420 x 172 x 620 | 420 x 172 x 620 |
| Connectivity | Ethernet | Drahtlos |



FEATURES The C4 has 4 motorised axes (X, C, Z, P), enabling high-performance 3D measurements. Its special point-taking module, equipped with a vertical and horizontal stylus, greatly increases the measurement possibilities.

AUTOMATION Designed on the basis of a simple graphical interface, Aberlink 3D can operate in 2D or 3D, on manual or CNC CMMs. The CAD module offers the possibility of comparing measured points with a mathematical model.

DESIGN At only 13.5 kg, the C4 CNC accompanies you wherever you need it. No more need to bring parts to the CMM, the TRIMOS C4 can be implemented directly in production.

Trimos A3



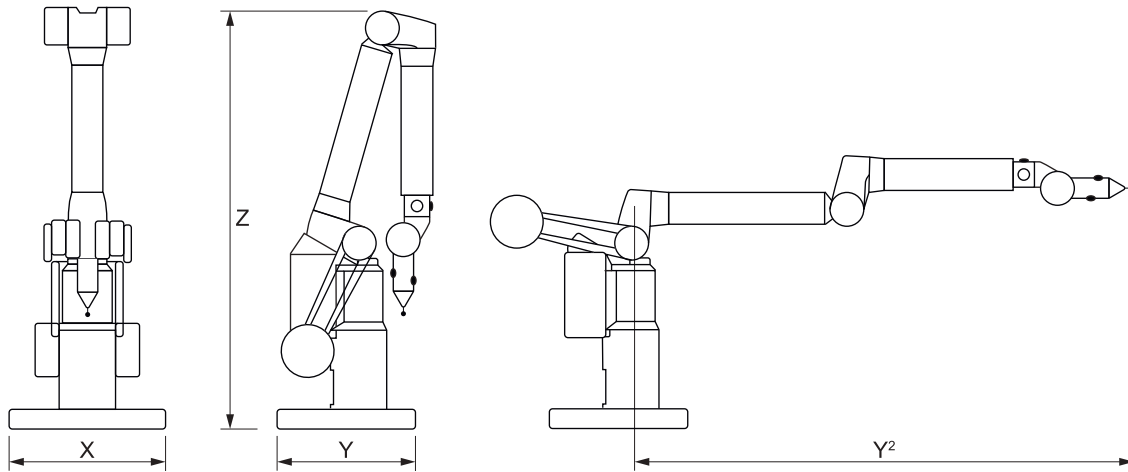
LA144 | DESCRIPTION

Innovative compact 6-axis measuring arm for extremely simple and precise 3D measurement. The A3 series is the most precise measuring arm range on the market. Its special feature is its small size, which allows it to be carried and used virtually anywhere. The arm in 6-axis configuration is available with a measuring range of 1.3m and 1,8m. Carbon fibre tubes and an aluminium mounting base give the A3 arm an extremely stable and lightweight construction. Its external counterweight provides excellent ergonomics and manoeuvrability. A3 measuring arms can be connected to any type of measurement software, for most shop floor applications we offer Aberlink 3D software.

LA144 | FEATURES

Volumetric accuracy $\mu\text{m}(5 + L/50)(4 + L/40)$.
 Operating temperature $^{\circ}\text{C} 5 + 40$.
 Protection class IP54.

Trimos A3



LA144 | TECHNICAL INFORMATION

| Code | LA1441300 | LA1441800 |
|--|-----------------------|-----------------------|
| Dimensions X - Y - Y ² - Z mm | 239 x 214 x 650 x 639 | 239 x 214 x 900 x 760 |
| Measuring range mm | 1300 | 1800 |



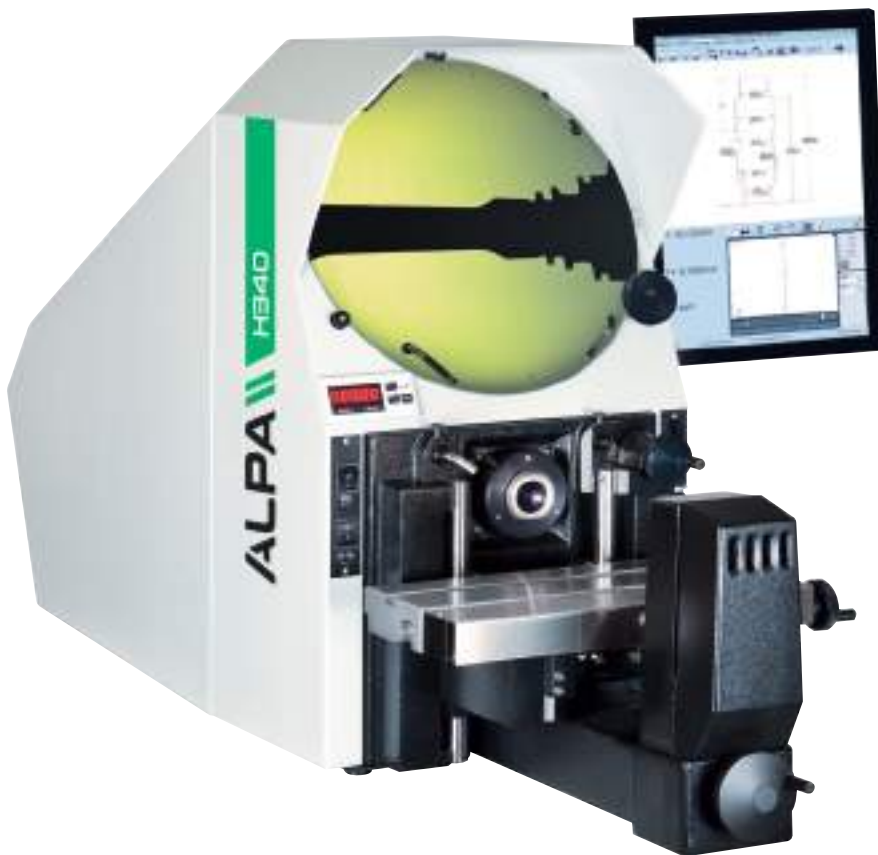
FEATURES The A3 measuring arm is based on Aberlink 3D software. Designed on the basis of a simple graphical interface, Aberlink 3D can operate in 2D or 3D, on manual or CNC CMMs. The CAD module offers the possibility of comparing measured points with a mathematical model.

AUTOMATION The new TRIMOS A3 measuring arms ensure extremely easy and precise 3D measurement. Certified according to ISO10360-2 or ISO10360-12, they allow quality control, inspection and inspection of medium and large parts.

DESIGN Thanks to an extremely stable carbon structure, all models are lightweight and easy to use. The special design of these arms allows access to the measuring points around the workpiece.

HORIZONTAL PROFILE PROJECTOR

H340



FEATURES

Measuring range mm 175 x 100.
 Working plane mm 325 x 100.
 Revolving screen mm 340.
 Reverse and inverted image.
 Maximum load kg 10.
 Manual, micrometric and rapid X-axis movement.
 Line resolution mm 0.0005.
 Illumination tungsten halogen lamps 12V 100W.
 Max. profile magnification error 0.05%, surface 0.1%.
 Beam adjustment $\pm 7^\circ$.
 Accuracy μm (3 + L/80).

DESCRIPTION

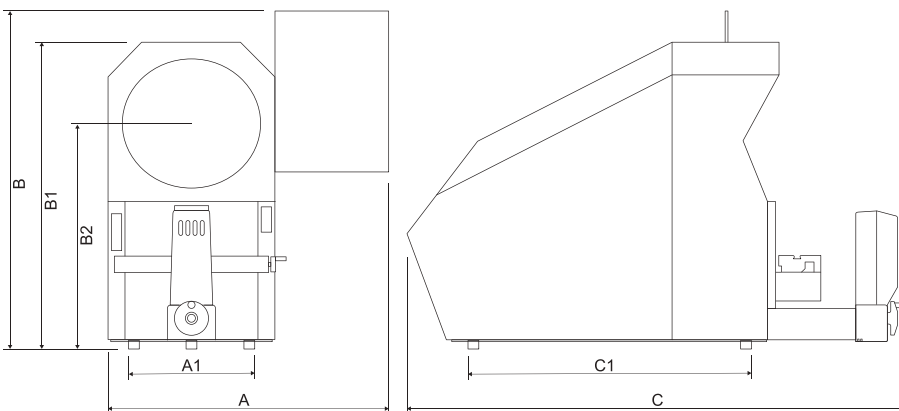
The horizontal profile projector is ideal for inspecting small and medium-sized turned workpieces of cylindrical or other shapes such as screws, small parts, etc.. It can be attached to the work surface using accessories. The robust design makes it suitable for both the workshop and the metrology room. Halogen diascopic and expiscopic lighting with fibre optics.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------|
| LA026FT2 |
| FT2-E viewer |

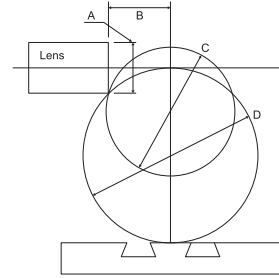
| Code | A mm | A1 mm | B mm | B1 mm | B2 mm | C mm | C1 mm | kg | Price List Page |
|---------|---------|----------|---------|----------|----------|---------|----------|----|--------------------|
| LA020FT | 760 | 305 | 770 | 741 | 545 | 1253 | 682 | 60 | |



FEATURES

Lens consisting of a multi-lens pack for perfect collimation of light beams for maximum measurement accuracy.

Supplied with calibration certificate.



| Code | Model | A Ø mm | B mm | C mm | D mm | Price List Page |
|---------|-------|-----------|---------|---------|---------|--------------------|
| LA02510 | x 10 | 35 | 82 | 120 | 103 | |
| LA02520 | x 20 | 18 | 38 | 109 | 103 | |
| LA02550 | x 50 | 7 | 15 | 31 | 45 | |

PROFILE PROJECTOR VISUALISER

FEATURES

FT2-E touch screen visualiser with optical sensor allowing automatic point acquisition at the transition between light and shadow of projected images on the projector screen.



| Code | Description | Price List Page |
|----------|--------------|--------------------|
| LA026FT2 | FT2-E viewer | |

H400



FEATURES

Measuring range mm 300 x 150.
 Working plane mm 480 x 127.
 Revolving screen mm 400.
 Straightened image, reversed from right to left.
 Maximum load kg 15.
 Motorised movement (optional).
 Line resolution mm 0.0005.
 Discopic illumination (profile): LED 24vDC, 20W, 500mA with filter, episcopic (surface): 12V 100W halogen with fibre optic guides.
 Max. magnification error profile 0.05%, surface 0.1%.
 Beam adjustment $\pm 7\%$.
 Focal distance mm 60.
 Manual X-axis shift with rapid traverse and fine adjustment.
 Manual Y-axis shift with crank and shift 1.4 mm/revolution.
 MPE $2.5 + 300(L) / 80 = \mu\text{m} 6.25$.

DESCRIPTION

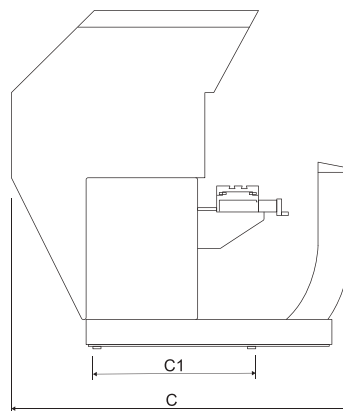
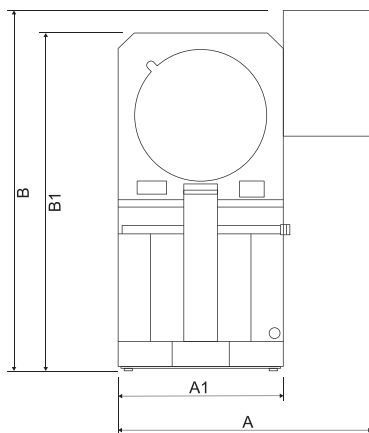
High precision in non-contact measurements.
 Inspections with wide measuring range.
 Configurable lighting system. Ideal for inspection of machined parts such as screws, turned parts and small metal parts.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------|
| LA026FT2 |
| FT2-E viewer |

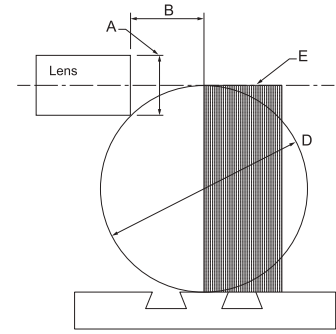
| Code | A mm | A1 mm | B mm | B1 mm | C mm | C1 mm | kg | Price List Page |
|---------|------|-------|------|-------|------|-------|-----|-----------------|
| LA030FT | 868 | 510 | 1070 | 1056 | 1094 | 546 | 120 | |



FEATURES

Lens consisting of a multi-lens pack for perfect collimation of light beams for maximum measurement accuracy.

Supplied with calibration certificate.



| Code | Model | A mm | B mm | D mm | E mm | Price List Page |
|----------|-------|------|------|------|------|-----------------|
| LA03110 | x 10 | 40 | 80 | 180 | 180 | |
| LA03120 | x 20 | 20 | 80 | 180 | 180 | |
| LA03150 | x 50 | 8 | 50 | 180 | 180 | |
| LA031100 | x 100 | 4 | 40 | 72 | 140 | |

PROFILE PROJECTOR VISUALISER

FEATURES

FT2-E touch screen visualiser with optical sensor allowing automatic point acquisition at the transition between light and shadow of projected images on the projector screen.



| Code | Description | Price List Page |
|----------|--------------|-----------------|
| LA026FT2 | FT2-E viewer | |

VERTICAL PROFILE PROJECTOR

V300



FEATURES

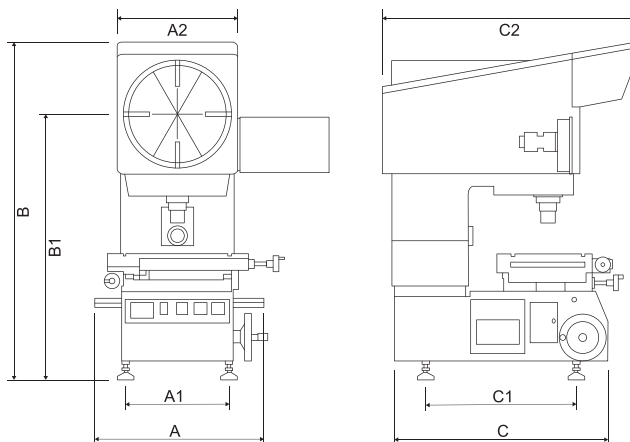
Measuring range mm 150 x 50.
 Working plane mm 340 x 152.
 Screen mm 196 x 96.
 Straightened image, inverted.
 Manual shift.
 Halogen lamp illumination.
 Magnification error max. 3.0+L/50.
 Accuracy μm 0.5.

DESCRIPTION

The Alpa Profil V300 vertical profile projector is a precise, versatile and easy-to-use tool. It is equipped with a release mechanism for quick handling, a 3-axis viewer (X, Y, angles) and a geometric processor capable of calculating radii, diameters, angles and centre distances. The images are clear and well defined, allowing accurate measurements even on complex parts. It is a profile projector that combines good build quality, ease of use and versatility. It is equipped with a finely sandblasted screen that guarantees a sharp, well-contrasted image. It also features a cross-hair reticle, graph stops, diasopic and episopic illumination.

Supplied with calibration certificate.

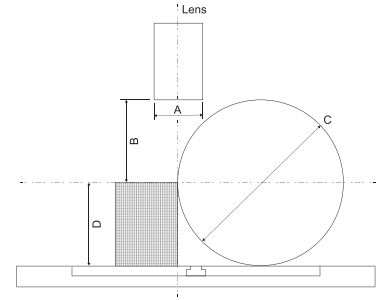
| Code | A mm | A1 mm | A2 mm | B mm | B1 mm | C mm | C1 mm | C2 mm | kg | Price List Page |
|---------|------|-------|-------|------|-------|------|-------|-------|-----|-----------------|
| LA050VP | 596 | 326 | 383 | 1069 | 842 | 676 | 476 | 800 | 250 | |



FEATURES

Lens consisting of a multi-lens pack for perfect collimation of light beams for maximum precision in measurements.

Supplied with calibration certificate.



| Code | Model | A mm | B mm | C mm | D mm | Price List Page |
|----------|-------|------|------|------|------|-----------------|
| LA05510 | x 10 | 30 | 77,7 | 80 | 90 | |
| LA05520 | x 20 | 15 | 44,3 | 80 | 90 | |
| LA05550 | x 50 | 6 | 38,4 | 80 | 90 | |
| LA055100 | x 100 | 3 | 25,3 | 80 | 90 | |

PLASTIFORM

FEATURES

This resin creates an extremely precise replica (+/-1µm) of internal or difficult-to-access parts, allowing them to be measured with optical or contact systems.
 Non-destructive process, no need to section parts.
 Also suitable for very large parts that are difficult to handle.
 Also useful for measuring roughness with P80Ra resin and the surface structure of materials with F30Visual.
 Dimensional stability.
 Maximum profile hold.
 Micron accuracy.
 Form memory.
 No residue on parts.
 Low environmental impact.

ACCESSORIES

| |
|--|
| LA028DN1400 DN1 Degreasing Spray 400 ml |
| LA028F20KIT2 Kit 2 resin cartridges F20 |
| LA028F20KIT8 Kit 8 resin cartridges F20 |
| LA028F30KIT2 Kit 2 resin cartridges F30 visual |
| LA028F30KIT8 Kit 8 resin cartridges F30 visual |
| LA028F50KIT2 Kit 2 resin cartridges F50 |
| LA028F50KIT8 Kit 8 resin cartridges F50 |
| LA028P80KIT2 Kit 2 resin cartridges P80RA |
| LA028P80KIT8 Kit 8 resin cartridges P80RA |

SILICONE RESIN CASE



| Code | Description | Price List Page |
|-------------|-------------|-----------------|
| LA0271ML050 | Complete | |
| LA0271ML040 | Standard | |

PAIR OF TAILSTOCKS FOR PROFILE PROJECTOR



FEATURES

Pair of tailstocks.

| Code | Description | Price List Page |
|---------|--------------------|-----------------|
| LB010CO | Pair of tailstocks | |

360° ROTARY TABLE FOR PROFILE PROJECTOR



| Code | Description | Price List Page |
|----------|-------------------|-----------------|
| LB012360 | 360° rotary table | |

OSCILLATING SUPPORT FOR PROFILE PROJECTOR



| Code | Description | Price List Page |
|----------|-------------------|-----------------|
| LB014SUP | Oscillating stand | |

GLASS SCALE FOR CALIBRATION 300 MM

Fornibile con certificato di taratura.



| Code | Description | Price List Page |
|----------|-----------------------------------|-----------------|
| LB016RIG | Glass scale for calibration 300mm | |

PROFILE PROJECTOR FILTER

| Code | Description | Price List Page |
|----------|-------------|-----------------|
| LB018VER | Green | |
| LB018BLU | Blue | |

VERTICAL PROFILE PROJECTOR

V350



FEATURES

Measuring range mm 250 x 125.
 Working plane mm 410 x 260.
 Screen mm 350.
 Straightened image, inverted.
 Maximum load kg 15.
 Manual shift.
 Line resolution mm 0.0005.
 Illumination tungsten halogen lamps 12V 100W.
 Magnification error max. 0.05%.
 Beam adjustment $\pm 7\%$.


DESCRIPTION

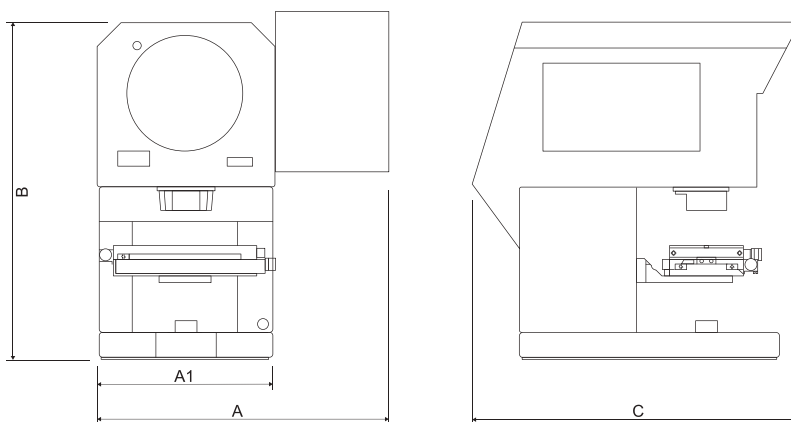
Suitable for small and medium-sized parts with a flat shape, such as punched parts, moulded parts, electronic boards, etc. Also widely used in the range of gaskets, plastics and spectacle production.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------|
| LA026FT2 |
| FT2-E viewer |

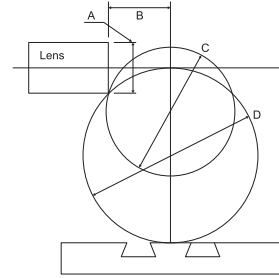
| Code | A mm | A1 mm | B mm | C mm |  kg | Price List Page |
|---------|---------|----------|---------|---------|---|--------------------|
| LA060FT | 950 | 505 | 1001 | 946 | 133 | |



FEATURES

Lens consisting of a multi-lens pack for perfect collimation of light beams for maximum measurement accuracy.

Supplied with calibration certificate.



| Code | Model | A Ø mm | B mm | C mm | D mm | Price List Page |
|---------|-------|-----------|---------|---------|---------|--------------------|
| LA02510 | x 10 | 35 | 82 | 120 | 103 | |
| LA02520 | x 20 | 18 | 38 | 109 | 103 | |
| LA02550 | x 50 | 7 | 15 | 31 | 45 | |

TWO-AXIS PRISM WITH UNIVERSAL BASE

FEATURES

Two-axis prism with universal base for profile projector.



| Code | Description | Price List Page |
|-----------|--|--------------------|
| LB020BASE | Universal base | |
| LB020PRI | Prism with two-axis workpiece clamping | |

SELF-CENTRING CLAMP WITH PRECISION ROTATING SUPPORT

FEATURES

Self-centring clamp with precision rotating support for profile projector.



| Code | Description | Price List Page |
|----------|----------------------------|--------------------|
| LB024SUP | Precision rotating support | |
| LB024MOR | Self-centring clamp | |

IRIS DIAPHRAGM



| Code | Description | Price List Page |
|----------|----------------|-----------------|
| LB028DIA | Iris diaphragm | |

FEATURES

Iris diaphragm for profile projectors.

WORKPIECE HOLDER



| Code | Description | Price List Page |
|----------|-------------|-----------------|
| LB030PRI | Support | |

FEATURES

Workpiece holder for profile projector.

STEEL ALIGNMENT BASE



| Code | Description | Price List Page |
|-----------|----------------------|-----------------|
| LB032BASE | Alignment steel base | |

FEATURES

Steel alignment base for profile projector.

VERTICAL STAND WITH GLASS

FEATURES

Vertical stand with glass for profile projector.



| Code | Description | Price List Page |
|----------|----------------|-----------------|
| LB034SUP | For flat parts | |

PAIR OF PRISMS WITH BLOCKERS

FEATURES

Pair of prisms with clamps for profile projectors.



| Code | Description | Price List Page |
|----------|--|-----------------|
| LB042PRI | Pair of prisms with workpiece clamping | |

PAIR OF TAILSTOCKS

FEATURES

Pair of tailstocks for profile projector.



| Code | Description | Price List Page |
|----------|--|-----------------|
| LB044CON | Pair of tailstocks \varnothing max. measurable 64 mm | |

UNIVERSAL CLAMP



FEATURES

Universal clamp for profile projector.

| Code | Description | Price List Page |
|----------|---|-----------------|
| LB046MOR | Universal clamp, two 90° adjustable positions | |

OSCILLATING CLAMP



FEATURES

Oscillating clamp for profile projector.

| Code | Description | Price List Page |
|----------|---------------------------------------|-----------------|
| LB048MOR | Allows 360° rotation of the workpiece | |

ROTARY TABLE



FEATURES

Rotary table for profile projector.

| Code | Description | Price List Page |
|----------|--------------|-----------------|
| LB056TAV | Rotary table | |

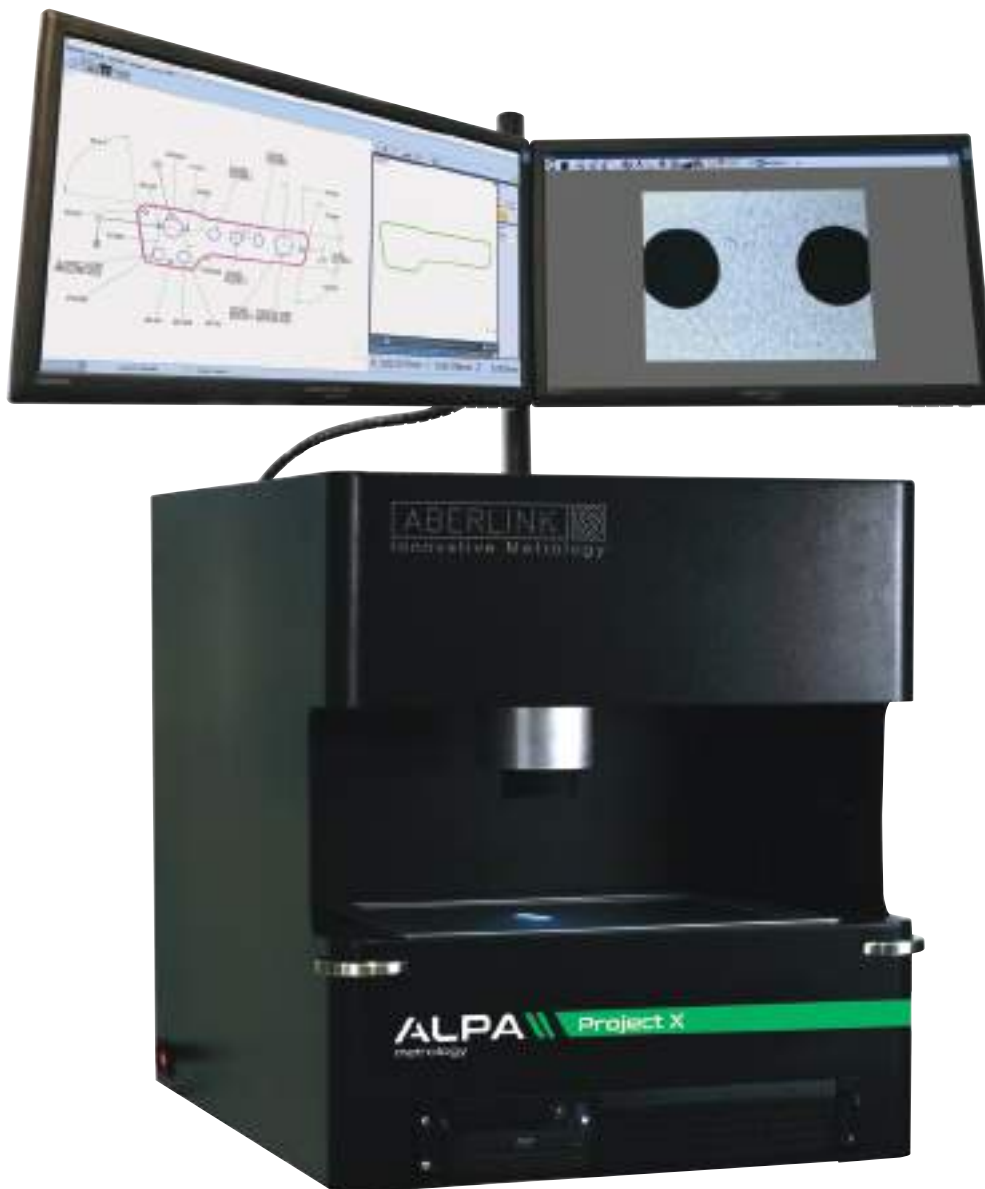
WORKPIECE CLAMPING KITS**FEATURES**

Workpiece clamping kit for profile projector.



| Code | Description | Price List Page |
|----------|-------------------------|--------------------|
| LB058KIT | Workpiece clamping kits | |

Project X



LA080 | DESCRIPTION

Suitable for small and medium-sized parts with a flat shape, such as punched parts, moulded parts, electronic circuit boards, etc..

Also widely used in the range of gaskets, plastics and spectacle production.

Compared to the profile projector, it allows measurements without operator uncertainty, with the possibility of printouts, graphics, reports and archiving.

Non-contact measuring machine.

The table is fixed, the camera moves.

Innovative position-reading system with even circular or diagonal movement.

Air-cushion pads.

High-resolution digital camera for consistently perfect images and constant precision.

The result is a precise and fast non-contact measurement over a wide measuring range (400x300 mm).

SPC programme with CP and CPK calculation.

Supplied with calibration certificate.

LA080 | FEATURES

Accuracy μm 7.5.

Working distance mm 125.

Range of vision mm 10.

Operating temperature $^{\circ}\text{C}$ 18 - 22.

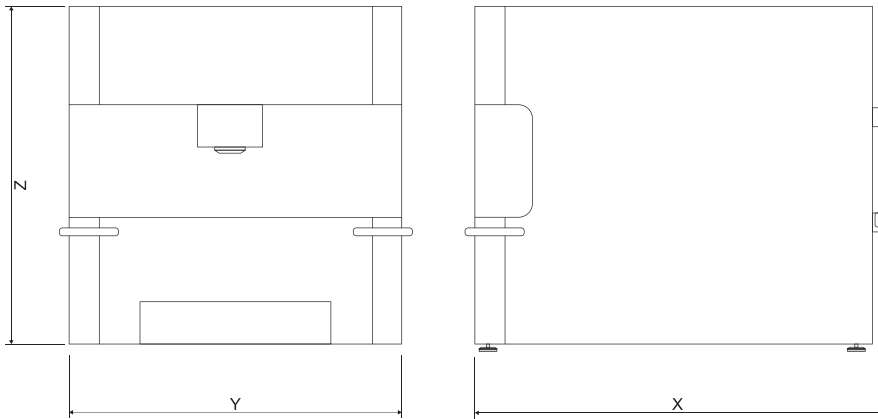
Maximum load kg 2.

Processing up to 5000 points per second.

Fully programmable digital zoom.

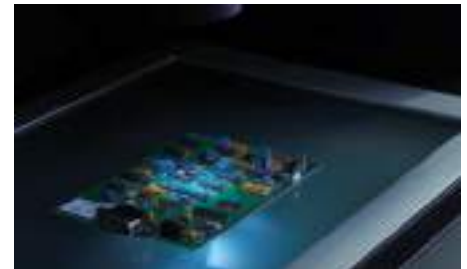
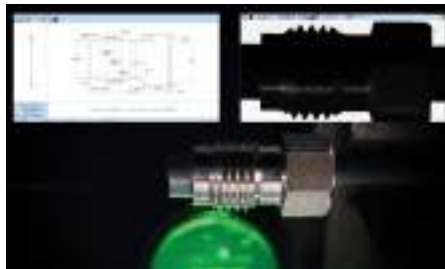
Highly intuitive software.

Project X



LA080 | TECHNICAL INFORMATION

| Code | LA080CNC | LA080MAN |
|--------------------------|-----------------|-----------------|
| Dimensions X - Y - Z mm | 665 x 830 x 746 | 665 x 830 x 746 |
| Axis travel X - Y - Z mm | 400 x 300 x 125 | 400 x 300 x 125 |
| Version | CNC | Manual |



FEATURES Project X is an optical measuring system designed to replace traditional profile projectors. It offers fast, accurate and reliable non-contact measurement on small components in both manual and CNC modes. With its combination of programmable digital zoom, automatic edge detection and advanced measuring tools, it enables accurate inspection of simple geometric shapes and profiles.

AUTOMATION Optical sensors and 'smart measure' functionality allow the system to automatically recognise edges and acquire data quickly and repeatably, without relying on operator skill. The touch interface and full programmability of the CNC sequences make each measurement process extremely efficient, reducing inspection time and improving inline productivity.

DESIGN Compact and robust, it can be placed directly on a workbench due to its small dimensions. Directional illumination from above allows detailed inspection of surfaces and profiles, while the collimated light under the table is ideal for edge measurement on turned parts. The simple and functional design makes this system an ideal choice for metrology applications requiring precision and reliability.

LA080 | STANDARD EQUIPMENT

- **LA2623DCNC:** Aberlink 2D Measuring Software for Non-Contact Optical Inspection
- **LA230CNC:** Windows® based controller
- **LA136DM22:** Dual 22" Monitors
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA080 | ACCESSORIES

| | |
|-----------------|-------------------------|
| LA081VET | Pixel calibration glass |
|-----------------|-------------------------|

Venture FV



LA085 | DESCRIPTION

The Venture FV series offers new levels of efficiency and versatility combined with easy-to-use software featuring automatic part recognition and a powerful 20 Mega pixel camera that, combined with telecentric LED profile illumination and separate LED ring illumination offer outstanding image quality.

Various options on the measurement table allow the impressive multi-area range measurement functionality to be combined to accommodate large parts or smaller batches of parts.

Its intuitive software simplifies the measurement process by providing instant pass/fail clarifications and detailed reports, enabling uninterrupted operation and efficient data analysis. Separate motorised ring LED, ring light and telecentric profile illumination as standard on all models.

Supplied with calibration certificate.

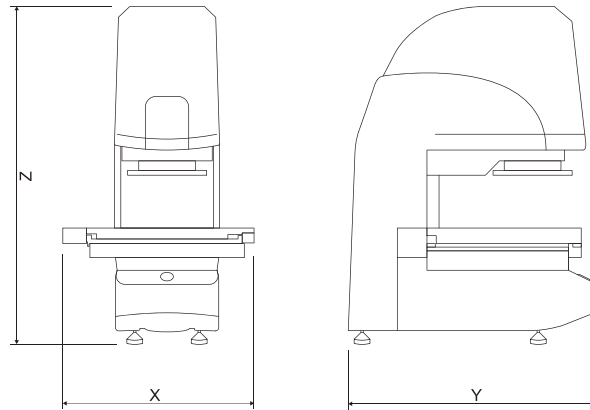
LA085 | FEATURES

20 MP camera.

Illumination (diascopic) profile: telecentric LED.

Illumination (episcopic) surface 1: 4-zone, low-angle white LED ring, surface 2: green LED ring.

Venture FV



LA085 | TECHNICAL INFORMATION

| Code | LA0851080 | LA0851080D | LA08520200 | LA08530200 |
|------------------------|---|--|--|--|
| Accuracy μm | ± 3 | Großer Bereich: ± 3 Enger Bereich: ± 1 | Großer Bereich: (5 + L/50) Enger Bereich: (3 + L/50) | Großer Bereich: (5 + L/50) Enger Bereich: (3 + L/50) |
| Visual measuring range | Breit: $\varnothing 100 \times 80$ (Z-Fokus) Schmal: - | Breit: $\varnothing 100 \times 80$ (Z-Fokus) Schmal: 20 x 16 (x, y) | Breit: $\varnothing 100 \times 80$ (Z-Fokus) Schmal: 20 x 16 (x, y) | Breit: $\varnothing 100 \times 80$ (Z-Fokus) Schmal: 25 x 20 (x, y) |
| Axle travel mm | - | - | 200 x 200 | 300 x 200 |



FEATURES The Venture FV can perform single or whole-batch measurements in seconds, with a simple interface that allows even non-specialised personnel to operate independently. It is equipped with powerful software that can measure complex geometries, import data from CAD files and automatically recognise elements such as threads, seals, springs and gears.

AUTOMATION One of the main strengths of the Venture FV is the total automation of the measuring process. Once the parts have been placed on the table, the machine automatically recognises them, selects the correct program and starts measuring without any manual intervention. This completely eliminates human error and speeds up production time. Hundreds of components can be inspected in a matter of seconds.

DESIGN The Venture FV is designed to combine precision and robustness. The highly stable cast iron structure supports a CNC measuring table sliding on cross-roller guides, ensuring reliability even over extended cycles. The programmable lighting system consisting of LED and telecentric light ensures optimal illumination of both profile and surface details.

LA085 | STANDARD EQUIPMENT

- Fusion 2D measurement software
- Windows® based controller
- Dual 27" monitors
- Auto focus CNC
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA085 | ACCESSORIES

| | |
|---------------|-----------------------------------|
| LA185FVCAD | CAD import |
| LA185FVROTARY | Rotating spindle |
| LA185FVHPS | Z-axis laser - only for LA0853020 |

Venture XT



LA110 | DESCRIPTION

Optical and tactile 3D measuring machine (optional) with motorised movement.
 Enables fully automated inspection processes managed by the innovative Fusion software.
 Highest quality microzoom.
 The innovative Fusion software measures geometric shapes, lines, arcs and points quickly and easily. All inspections are recorded and automatically replicated with the same parameters set on the first part.
 The advanced error mapping system uses a special calibration grid as a reference, allowing measurements with maximum accuracy.
 Results can be displayed and printed in both graphical and tabular versions.
 They can also be exported in Excel, DXF and PDF formats.
 The software can perform SPC (Statistical Process Control) analyses and calculate CP and CPK values.
 The integrated LED lights diascopic, episcopic and epicoaxial, are fully programmable.

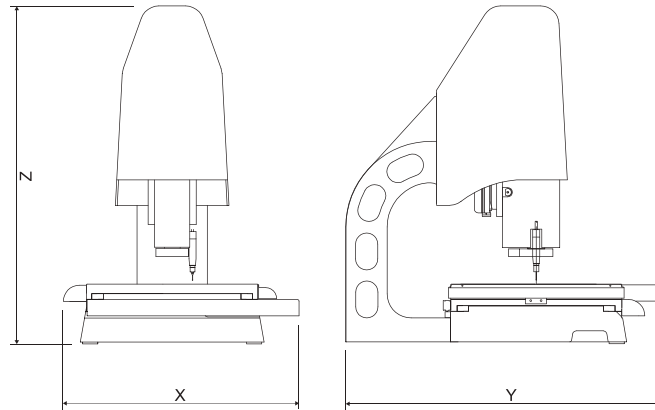
Supplied with calibration certificate.

LA110 | FEATURES

Accuracy μm (2 + L/100).
 Row Resolution μm 0.5.
 Zoom Lenses 6:51 in 6 steps (from 35x to 200x optical).
 FOV (Field of View) mm 2 to 10.
 Camera Pixel 2048 x 1590, Colour USB2 with 8 x 9 chip & dynamic latch.
 Optimal Temperature $^{\circ}\text{C}$ 16 - 26.
 Operating Temperature $^{\circ}\text{C}$ 5- 40.
 Glass Tabletop.
 Max. Load kg 25.
 Moving Speed mm/sec 200.
 Acceleration mm/sec² 150.
 Brushless Motors and Cross Roller Bearing Guides.

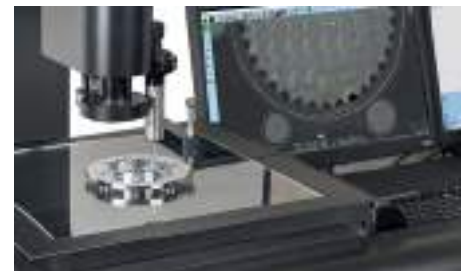
* Max. permissible error MPEE, subject to optimum temperature between 18 $^{\circ}\text{C}$ and 22 $^{\circ}\text{C}$ and $\Delta < 1^{\circ}\text{C}/\text{h}$ or $< 2^{\circ}\text{C}/24\text{h}$

Venture XT



LA110 | TECHNICAL INFORMATION

| Code | LA110250 | LA110300XT |
|-------------------------|-----------------|-----------------|
| Dimensions X - Y - Z mm | 590 x 680 x 820 | 638 x 860 x 920 |
| Measuring range mm | 250 x 110 x 150 | 300 x 300 x 200 |



FEATURES The Fusion 3D software allows inspections of simple and complex features with great ease, managing both video detection and touch probing. Switching between different measurement modules is smooth and automated, allowing points detected by touch and points captured via image to be combined, thus achieving extremely reliable results in a short time.

AUTOMATION The system records every action during programming, automatically creating a complete CNC cycle from a single manual inspection. Features such as automatic focusing, magnification changes and probe changes are integrated into the software logic and precisely repeatable in each successive cycle.

DESIGN The design has been studied to ensure maximum stability, precision and ease of use. The compact and ergonomic structure houses a solid base and a smooth and responsive measuring unit, suitable for both the control room and the metrology room. The programmable LED lighting system, combined with high resolution optics and coaxial and transmitted light management, ensures a clear and detailed view of every feature, even in the most critical cases.

LA110 | STANDARD EQUIPMENT

- FUSION 3D Measuring Software for Feature Inspection with Touch Probe
- LA230CONCNC: Windows® based controller
- LA136DM22: Dual 22" Monitors
- Head with segmented white LED lights, fully programmable and software-controlled, diascopic and through-the-lens illumination (TTL)
- LA172JOYTOUCH: Deva touchscreen joystick
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA110 | ACCESSORIES

| | |
|-----------|------------------------------|
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA110TP20 | Renishaw TP20 complete probe |

Venture Plus



LA120 | DESCRIPTION

Optical measuring machine with integrated high-resolution digital camera and touch-trigger probe. The aluminium bridge structure allows low inertia and fast movements. The air-bearing sliding system drastically reduces any measuring errors. The Fusion software automatically compensates for changing environmental conditions. The dual optical functionality with camera and touch-trigger probe allows all parts to be measured, even on difficult-to-inspect components. Thanks to the optional "Change rack" system, probes and styli can be quickly changed according to the type of inspection to be performed.

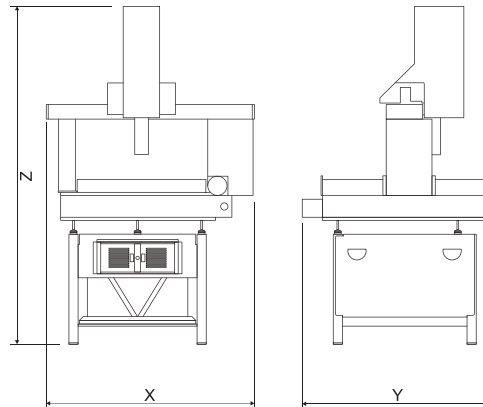
Supplied with calibration certificate.

LA120 | FEATURES

Accuracy μm (2.4 + L/100).
 Line resolution μm 0.1.
 Zoom Lenses 6:5:1 in 6 steps (35x to 200x optical).
 FOV (Field of View) mm 2 to 10.
 Camera Pixel 2048 x 1590, Colour USB2 with 8 x 9 chip & dynamic latch.
 Optimal temperature $^{\circ}\text{C}$ 18 - 22.
 Operating temperature $^{\circ}\text{C}$ 5 - 40.
 max. load kg 75.
 Displacement speed mm/sec 350.
 Acceleration mm/sec² 250.
 Compressed Air 5 bar (72 psi) - 50 l/min (1.8 cfm).
 Motion Brushless motors on steel rod guide.

* Max. permissible error MPEE, subject to optimum temperature between 18 $^{\circ}\text{C}$ and 22 $^{\circ}\text{C}$ and $\Delta < 1^{\circ}\text{C}/\text{h}$ or $< 2^{\circ}\text{C}/24\text{h}$

Venture Plus



LA120 | TECHNICAL INFORMATION

| Code | LA120640A | LA120640B |
|-------------------------|--------------------|--------------------|
| Dimensions X - Y - Z mm | 1140 x 1030 x 1880 | 1140 x 1330 x 1880 |
| Measuring range mm | 640 x 600 x 250 | 640 x 900 x 250 |



FEATURES Venture Plus is a measurement system that combines the precision of optical vision with the versatility of touch-trigger measurement, allowing complete analysis of even irregularly shaped or difficult to detect parts. The intuitive and powerful control software allows the user to import CAD data, superimpose profiles and generate detailed reports with statistical analysis, ensuring effective, traceable and repeatable quality control.

AUTOMATION With its fully automated control, the Venture Plus allows repetitive measuring cycles to be carried out quickly and accurately. The system is able to memorise each inspection step and reproduce it faithfully, reducing operator intervention to a minimum. Programming a sequence is simple and straightforward, even from CAD models, with automatic feature and tolerance recognition.

DESIGN The structure is designed to ensure robustness, precision and reliability even under intensive use. Each component is designed to ensure stability and repeatability, minimising the influence of vibration or environmental variations. The fully programmable segmented LED illumination allows the illumination to be adapted to the type of surface to be inspected, significantly improving edge detection and image quality.

LA120 | STANDARD EQUIPMENT

- FUSION 3D Measuring Software for Feature Inspection with Touch Probe
- LA230CONCNC: Windows® based controller
- LA136DM22: Dual 22" Monitors
- Head with segmented white LED lights, fully programmable and software-controlled, diascopic and through-the-lens illumination (TTL)
- LA943TP8: Renishaw TP8 probe system
- LA932D4L20: M2 Profile Kit (Ø2 - L=20mm, Ø 2.5 - L=10 mm, 5-way star centre)
- LA172JOYTOUCH: Deva touchscreen joystick
- Full 12-month warranty on parts and labour
- Free software updates, no service contract

LA120 | ACCESSORIES

| | |
|-----------|------------------------------|
| LA260COMP | 3D CAD comparison |
| LA261PROG | CAD programming |
| LA110TP20 | Renishaw TP20 complete probe |

SCAN S25



LA870 | DESCRIPTION

La macchina di misura ottica SYLVAC a scansione lineare è progettata per misurare minuterie cilindriche da \varnothing 0,2 mm fino a \varnothing 26 mm e lunghezze fino a 200mm.

La maggior parte dei componenti rotativi nei settori automotive, aerospace, dentale, così come tutti i particolari torniti possono essere misurati in pochi secondi.

Questa macchina offre i più avanzati sistemi di analisi ottica delle filettature esterne..

LA870 | FEATURES

Measuring range: \varnothing 0.2-26 mm.
L. 200 mm.

Resolution: 0.0001 mm.

Accuracy: \varnothing (0.9+D/100) μ m.

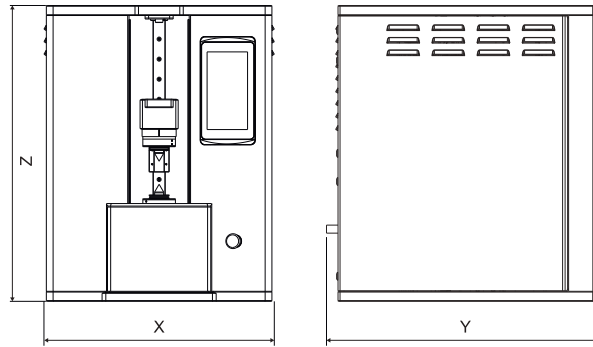
L. (2.5+L/200) μ m.

Repeatability: \varnothing 0.5 μ m.

L. 0.8 μ m.

Load: 3 kg.

SCAN S25



LA870 | TECHNICAL INFORMATION

| Code | LA870S25 | LA870S25T |
|-------------------------|----------------------|-----------------|
| Dimensions X - Y - Z mm | 460 x 544 x 590 | 460 x 544 x 590 |
| Version | Without tilting axis | Tilting axis |



FEATURES The dynamic LED indicator and the intuitive Reflex SCAN+ concept provide real-time feedback on the status of the measured part (GO/NG) and operator messages. No pre-programming is required, just a simple touch-button solution.



AUTOMATION The REFLEX-Click mode recognises and analyses components automatically at the push of a button: the software scans the component and chooses the right measuring programme from the database of saved programmes; if no programme is present then it automatically measures all the main dimensions of the part.



DESIGN It features a precision sliding head with integrated and protected calibration master, as well as a quick and easy accessory exchange system.

DYNAMIC VERTICAL OPTICAL MEASURING MACHINE

SCAN S65



FEATURES

Diameter resolution 0.0001 mm.
 Length resolution 0.0001 mm.
 Diameter accuracy $(1 + D[\text{mm}]/100) \mu\text{m}$.
 Length accuracy $(3 + L[\text{mm}]/200) \mu\text{m}$.
 Diameter repeatability 0.5 μm .
 Length repeatability <1 μm .
 Axial movement speed up to 160 mm/s.
 Maximum workpiece weight 60 kg.
 Machine weight 420 kg.
 Intuitive operator interface with 8" touchscreen.
 State-of-the-art optical and imaging technology for static and dynamic measurements.
 Dynamic LED illumination for clear feedback.
 Integrated calibration master with temperature sensors.
 Retractable roof for easy top-loading of heavy components.
 Rotating spindle for dynamic measurements.
 Reflex SCAN+ function for instant measurements without programming.
 Comes complete with PC and software ready for automation.

| Code | Model | Max. workpiece Ø mm | Max. piece length mm | Tilting axis | Price List Page |
|-----------|-------|------------------------|-------------------------|--------------|--------------------|
| LA875S65 | S65 | 65 | 350 | - | |
| LA875S65T | S65T | 65 | 350 | ✓ | |

FEATURES

Diameter resolution 0.0001 mm.
 Length resolution 0.0001 mm.
 Diameter accuracy $(1.5 + D/100) \mu\text{m}$.
 Length accuracy $(4 + L/100) \mu\text{m}$.
 Diameter repeatability 0.5 μm .
 Length repeatability 1.0 μm .
 Clamping capacity up to $\varnothing 145 \text{ mm}$.
 Axial positioning speed up to 160 mm/s.
 Rotary axis speed up to 360°/s.
 Maximum workpiece weight 100 kg.

Optional:

The Sylvac SCAN S145 with 3D probe is designed for measuring medium to large cylindrical parts.

Integration of the Renishaw SP25M probe allows measurement of optically invisible features such as blind holes and slots.

Multi-sensor solution combining optical and tactile measurements in one system.

Easy programming with intuitive functions and dedicated toolbar for the 3D probe.


Full scan for form measurement.

Interchangeable styli for better access to parts.

Automated probe qualification routine.

Typical measurements size and position of holes and slots, roundness, radial and axial eccentricity.


SCAN S145

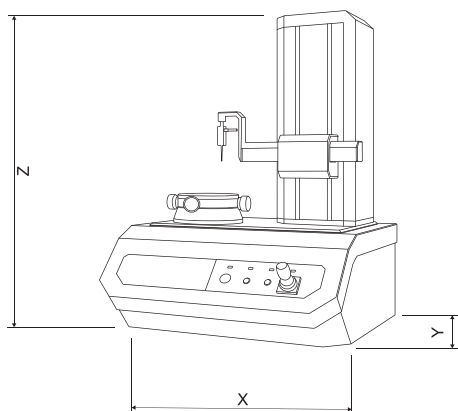

| Code | Model | Max. piece length mm | Probe measurement volume mm |  Price List Page |
|-------------|--------|-------------------------|--|---|
| LA880S145 | S145 | 615 | PX 615 / PY +60 ÷ -40 / PZ +130 ÷ -15 | 550 |
| LA880S145L | S145L | 1230 | PX 1230 / PY +60 ÷ -40 / PZ +130 ÷ -15 | 670 |
| LA880S145XL | S145XL | 1800 | PX 1230 / PY +60 ÷ -40 / PZ +130 ÷ -15 | 797 |

LABORATORY ROUNDNESS TESTER

ROUND H100



| Code | Description |  Price List Page |
|-----------|---|--|
| LA520AUTO | Table rounder \varnothing 160 mm, CNC automatic version | 105 |



FEATURES

The ROUND H100 roundness meter allows rapid characterisation of all circular geometries on a part.

The machine is combined with Circom, a state-of-the-art, extremely intuitive and easy-to-use software that allows analysis of the following geometric tolerances Roundness, flatness, straightness, cylindricity, taper, cone shape, concentricity, parallelism, coaxiality, run-out, total run-out, thickness variation.

The touch probe is rotatable by 90° to be able to enter the slots laterally.

Possibility to display and print various types of 2D and 3D reports with surface rendering.

Available in CNC version with motorised adjustment column.

C axis: Table \varnothing 160 mm, Max. load 200N, Centring: ± 3 mm, Levelling: $\pm 2^\circ$, Accuracy: $0.08 \mu\text{m}$, Max. measurable diameter \varnothing 300 mm.

Max. Measurable diameter \varnothing 300 mm.

Z-axis: Working stroke: 350 mm, Straightness error on 100 mm: $0.3 \mu\text{m}$, Straightness error on 400 mm: $0.8 \mu\text{m}$, Measuring speed: 0.5-1-2 mm/s,

Positioning speed: 0-15 mm/s.

R-axis: Working stroke: 115 mm, CNC motorised, Positioning speed: 0 15 mm/s.

Touch probe: Working stroke: 0.6 mm, Resolution: $0.001 \mu\text{m}$.

PARAMETERS

Roundness, flatness, straightness, cylindricity, conicity, cone shape, concentricity, parallelism, coaxiality, run-out, total run-out, thickness variation, squareness, angularity.

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|---|
| LA522P | Expansion platform \varnothing 250 mm |
| LA528CG | Calibration sample |
| LA534T72 | T-terminal L. 72mm |
| LA53432 | Extension Terminal Kit mm 32-72-112 |

EXPANSION PLATFORM Ø 250 MM**FEATURES**

Ø 250 mm expansion platform for roundness gauges.



| Code | Description | Price List Page |
|--------|-----------------------------|-----------------|
| LA522P | Expansion platform Ø 250 mm | |

6-JAW CHUCK**FEATURES**

6-jaw chuck for roundness gauges.



| Code | Description | Price List Page |
|---------|-------------|-----------------|
| LA524M6 | 6-jaw chuck | |

3-JAW CHUCK**FEATURES**

3-jaw chuck for roundness gauges.



| Code | Description | Price List Page |
|---------|-------------|-----------------|
| LA526M3 | 3-jaw chuck | |

CALIBRATION SAMPLE**FEATURES**

Calibration sample for roundness gauges.

Supplied with calibration certificate.



| Code | Description | Price List Page |
|---------|--------------------|-----------------|
| LA528CG | Calibration sample | |

SPHERICAL CALIBRATION SAMPLE



| Code | Description | Price List Page |
|---------|------------------------------|-----------------|
| LA530CS | Spherical calibration sample | |

FEATURES

Spherical calibration sample for roundness gauges.

Supplied with calibration certificate.

CYLINDRICAL CALIBRATION SAMPLE



| Code | Description | Price List Page |
|---------|--------------------------------|-----------------|
| LA532CC | Cylindrical calibration sample | |

FEATURES

Cylindrical calibration sample for roundness gauges.

Supplied with calibration certificate.

EXTENSION TERMINAL



| Code | Description | Price List Page |
|----------|-------------------------------------|-----------------|
| LA53432 | Extension Terminal Kit mm 32-72-112 | |
| LA534T72 | T-terminal L. 72mm | |

FEATURES

Extension terminal for roundness gauges.

PORTABLE RUGOSIMETER WITH BLUETOOTH

FEATURES

Innovative portable roughness tester with interchangeable touch probe rotatable by 90° ideal for measurements directly in production and in machine tools.

Extremely small dimensions (smallest currently on the market) and fast battery charging via USB cable make this instrument a breakthrough in roughness measuring instrument design.

Data export via cable to Android mobile devices.

Resolution μm 0.001.

Maximum scanning stroke mm 17.5.

Cut-off length mm 0.25 0.8 2.5.

PARAMETERS

Ra, Rq, Rt, Rz, Rc, Rmax, Rsm, Rpc


Supplied with calibration certificate.

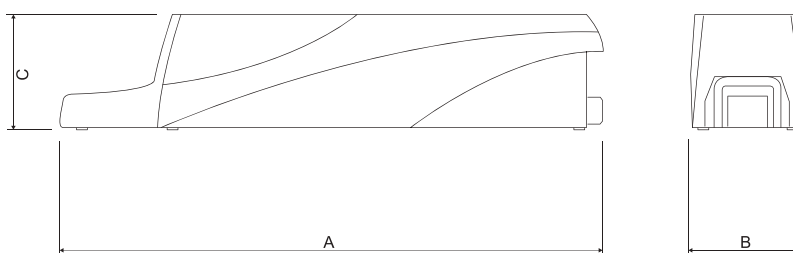
ACCESSORIES

| |
|---|
| LA252BATT |
| Rechargeable battery 2.4V-750 MA |
| LA252CBATT |
| Chargers |
| LA252PR50 |
| Extension 50 mm |
| LA252PR100 |
| Extension 100 mm |
| LA252016 |
| SB21 probe for flat surfaces, grooves and shoulders |
| LA252022 |
| SB31 feeler gauge for planes and holes \varnothing min. 4mm and |
| LA252090 |
| Standard SB51 touch probe for 90° surfaces |
| LA252024 |
| SB121 probe for grooves and slots max. 20 mm |
| CD040C |
| Stand for LA255TS7 - LA249FIX - LA250DIS - LA251LITE |

LITE surf




| Code | A mm | B mm | C mm |  | Bluetooth | Price List Page |
|-------------|-------|------|------|---|-----------|-----------------|
| LA251LITEBT | 160,6 | 33,6 | 33,8 | 200 | Si | |
| LA251LITEND | 160,6 | 33,6 | 33,8 | 200 | No | |

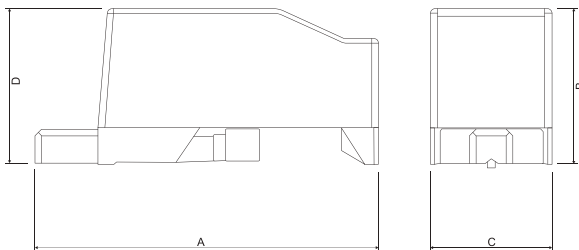


PORTABLE RUGOSIMETER WITH GRAPHIC DISPLAY

FACEtest 25



| Code | A mm | B mm | C mm | D mm | Cut-off length mm |  g | Price List Page |
|----------|-------|------|------|------|-------------------|---|-----------------|
| LA250DIS | 149,5 | 67,9 | 53 | 67,5 | 0,25 - 0,8 - 2,5 | 500 | |



FEATURES

The ALPA FACEtest 25 roughness tester is simple and extremely easy to use. Ideal for measuring parts even directly on workstations or in production machines. Thanks to its internal memory, easy handling and integrated battery ALPA FACEtest 25 is suitable for measurements under difficult conditions on large or complex parts. Allows measurement of 31 parameters with graphical display. Provides advanced analysis typical of a laboratory instrument. Immediately displays roughness profile, primary profile and lift profile graphs. Equipped with 90° rotatable touch probe and 2" TFT graphical display. Measuring range $\mu\text{m} \pm 300$. Resolution $\mu\text{m} 0.001$.

PARAMETERS

ISO 4287 | Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsm, Rdc, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, R_{Pc}, P_{Pc} - Rk, Rpk, Pvk, Mr1, Mr2 - Pt, R, Rx, AR-R3, R3zm, Rmax

Supplied with calibration certificate.

ACCESSORIES

| |
|--|
| LA250SB1 |
| Software with graphics + USB cable |
| CD040C |
| Stand for LA255TS7 - LA249FIX - LA250DIS - LA251LITE |

HIGH-PERFORMANCE RUGOSIMETER

FACEtest 80

FEATURES

The FACEtest 80 roughness tester, thanks to its compactness and simplicity of use, allows the measurement of even the most complex surfaces in an easy and intuitive way, with the potential of a laboratory instrument.

Maximum scanning travel 50 mm.

Laboratory translator with micrometric friction feed for roughness and profile measurements.

With free diamond enables roughness measurements on curved parts such as spheres and radiused parts | The colour touchscreen display, combined with the minimal and intuitive icon-based interface allows the operator to quickly set measurement parameters, precisely position the part and perform the analysis.

Results and graphs are ready to be printed out immediately thanks to the integrated thermal printer.

Graphs and parameters are interactive to allow the operator to quickly and easily customise the presentation of results.

The new lightweight and compact TL90 shifter features a micrometric slide for easy and precise part positioning.

Touch probes are free diamond with magnetic engagement.

FACEtest 80 is suitable for production or metrology room environments.

PARAMETERS

ISO 4287-1997, ISO 12085, DIN 4768, ISO 13565 | Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsk, Rku, Rsm, Rdc, R_{Pc}, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, P_{Pc}, Wa, Wq, Wt, Wz, Wp, Wv, Wc, WSm, Wdc, W_{Pc}, Rk, Rpk, Pvk, Mr1, Mr2, Pt, Pdc, P_{Pc}, R, Rx, AR, Wte, W, AW, Wx, Rke, Rpke, Rvke, Mr1e, Mr2e Rmax, R3z, R3zm

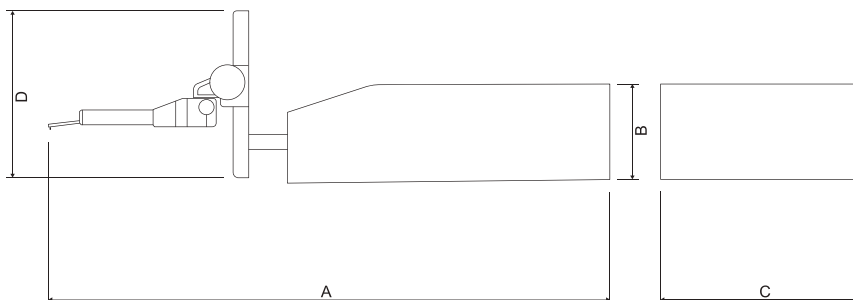
Supplied with calibration certificate.

ACCESSORIES

| |
|--|
| LA250SA1 |
| FACEtest 80 USB data cable |
| LA250SB1 |
| Software with graphics + USB cable |
| CD040C |
| Stand for LA255TS7 - LA249FIX - LA250DIS - LA251LITE |
| LA256ST1 |
| Manual stand for LA255TL90 |




| Code | A mm | B mm | C mm | D mm | kg | Price List Page |
|-----------|------|------|------|------|------|-----------------|
| LA255TL90 | 490 | 50 | 70 | 140 | 3,10 | |

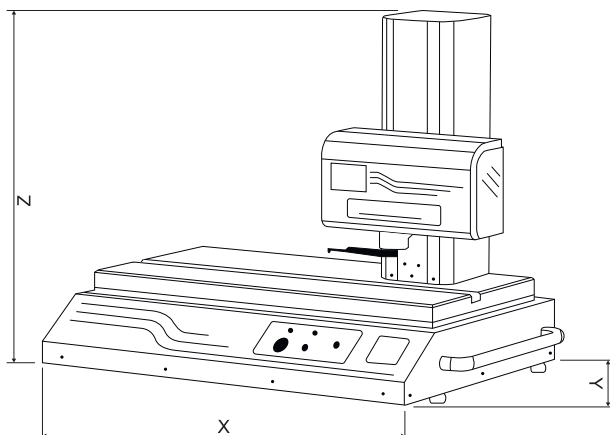


LABORATORY RUGOSIMETER

FACEtest 120



| Code | Measuring range X mm | Z measuring range mm | Res X μm | Res Z nm |  kg | Price List Page |
|----------|-------------------------|-------------------------|------------------------|-------------|---|--------------------|
| LA350LAB | 0,15 - 120 | 3 / 5 | 0,1 | 0,1 | 50 | |



FEATURES

FACEtest 120 was born from the need to characterise roughness and microprofiles on even complex parts with a single device, thanks to the Profile Studio analysis software.

The Profile Studio software has been developed to be extremely user friendly and easy to use by the operator; all the functions required for profile and roughness characterisation are available on the right-hand toolbar and divided into categories, each characterised by a different colour.

It is possible to enter new dimensions and roughness analyses on the same profile and display them on the same screen, allowing the operator to carry out a complete analysis of the part, with a single measurement.

Thanks to the auto-comparison function it is possible to reconstruct all dimensions and dimensional tolerances of a reference profile on a new profile, thus saving a considerable amount of time for series inspection.

Roughness parameters are processed according to the latest standards such as ISO 4287, ISO 13565-1 and -2, ISO 12085, VDA 2007 for a total of 70 calculated parameters.

Column travel 320 mm.

Measuring speed 0.25-0.5 / 1-2mm/s.

PARAMETERS

ISO 4287:09.

Rp, Rt, Rv, Rc, Rz, Rzjis, Ra, Ra75, RSm, RΔq, Rsk, Rku, Rδc, R ρ c, RmrRel Wp, Wt, Wv, Wc, Wz, Wa, Wq, WSm, WΔq, Wsk, Wku, Wδc, W ρ c, WmrRel Pp, Pt, Pv, Pc, Pz, Pa, Pq, PΔSm, Pq, Psk, Pku, Pδc, P ρ c, PmeRel.

ISO 13565:96.

Rk, Rpk, Rvk, Mr1, Mr2, A1, A2.

DIN 4768:90.

Ry5, Rmax, R3z, R3zMax, PtDIN.

ISO12085:98.

Pt, R, AR, Rx, Wte, W, AW, Wx, Rke, Rpe, Rvke.

VDA 2007.

WD, Wdc, Wdt, WDSm.

Supplied with calibration certificate.

ACCESSORIES

| |
|--------------------------|
| LA442T3 |
| 3-axis positioning table |
| LA444T4 |
| 4-axis positioning table |
| LA446M |
| Clamp |

ROUGHNESS SAMPLE SETS (FOR VISUAL COMPARISON ONLY)

FEATURES

This set consists of 30 samples of metal surfaces produced by 6 different machining methods widely used in industry.

The label shows the Ra values of each sample according to both the metric and imperial system. (Label for Rz available on request).

Nominal values of samples Ra μm 0.05 0.1 0.2 for lapping and boring Ra μm 0.4 0.8 1.6 for grinding Ra μm 0.4 0.8 1.6 3.2 6.3 12.5 for horizontal and vertical milling, turning.

Supplied with calibration certificate.



| Code | Description | Price List Page |
|---------|-----------------------------|-----------------|
| LA26530 | Set of No. 30 sample plates | |

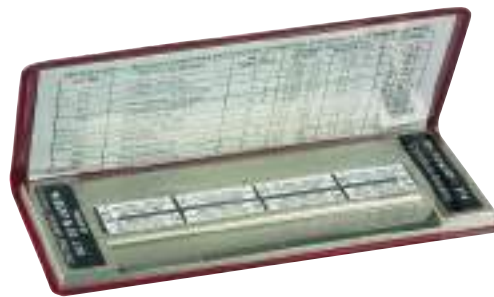
ROUGHNESS PLATES (FOR VISUAL COMPARISON ONLY)

FEATURES

Set consists of 8 samples of metal surfaces produced by cylindrical grinding.

Also available for other different machining operations on request.

Supplied with calibration certificate.



| Code | Type of processing | Roughness Ra μm | Price List Page |
|--------|----------------------|----------------------------|-----------------|
| LA2709 | Cylindrical grinding | 0,025 - 3,2 | |

ROUGHNESS SAMPLES

FEATURES

Test specimens for calibration and verification of roughness gauges.

Made of highly wear-resistant metal material, guaranteeing homogeneous readings.

Nominal value is expressed in Ra.

Test specimens can be Accredia certified.

Supplied with calibration certificate.



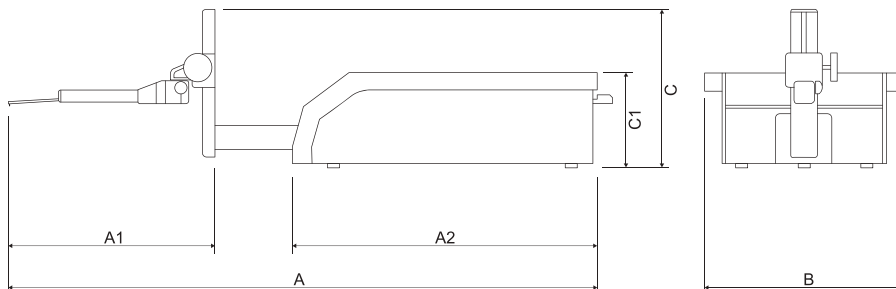
| Code | Profile | Ra μm | Price List Page |
|-----------|---|------------------|-----------------|
| LA275004S | Triangular | 0,04 | |
| LA275010S | Triangular | 0,10 | |
| LA275030S | Triangular | 0,30 | |
| LA275050S | Triangular | 0,50 | |
| LA275100S | Triangular | 1,00 | |
| LA275297S | Triangular | 2,97 | |
| LA275650S | Triangular | 6,50 | |
| LA275100H | 1 groove height 1 μm | - | |
| LA275297C | Cylindrical shape triangular profile | 2,97 | |
| LA2753 | 3 zones: Ra 2.97 μm triangular profile for calibration Ra 0.48 μm random profile for linearity check Ra 0.28 - 0.48 μm for diamond control | - | |

BLUETOOTH® PORTABLE RUGOPROBE

WARPsurf



| Code | A mm | A1 mm | A2 mm | B mm | C mm | C1 mm | kg | Price List Page |
|---------|-------|-------|-------|------|-------|-------|------|-----------------|
| LA253RP | 520,2 | 182,4 | 272,5 | 176 | 141,7 | 86,2 | 3,65 | |



FEATURES

This new Roughness and profilometer revolutionises roughness and profile measurement and thanks to its compact size and easy handling can be used in a wide variety of measuring conditions.

Interchangeable magnetic-mounted touch probes for fast switching between modes.

Features a large 7" touchscreen display with 16 million colours and thanks to the 81 measurable roughness parameters meets the current main international standards.

Integrated software for profile analysis.

Wide measuring range in roughness and profilometry.

Automatic storage of the last 6 measurements.

Manual storage of up to 1000 profilometry measurements and 4000 roughness measurements (graphs + parameters).

Configurable report export directly from the instrument via USB stick.

Measuring range $\mu\text{m} \pm 2500$.

Resolution $\mu\text{m} 0.0001$.

Cut-off length 0.08 / 0.25 / 0.8 / 2.5 / 8.

Number of cut-offs selectable from 1 to 20 (for 8mm cut-off 1 to 6).

Maximum scanning range 60.

PARAMETERS

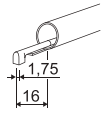
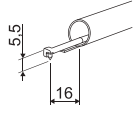
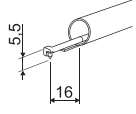
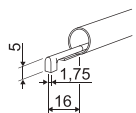
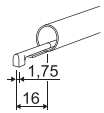
ISO 4287-1997, ISO 12085, DIN 4768, VDA2007 | Ra, Rq, Rt, Rz, Rp, Rv, Rc, Rsk, Rku, RSm, RΔq, RΔa, Rmax, Rδc, Rmr, R_{Pc}, RLo, Rlr, Rzjis, RHSC, Pa, Pq, Pt, Pv, Pc, Psk, Pku, PSm, PΔq, Pδc, PPc, PLo, Plr, PHSC, Wa, Wq, Wt, Wz, Wp, Wv, Wc, Wsk, Wku, WSm, WΔq, Wδc, WPc, WLo, Wlr, WHSC, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, WDSm, WDC, WDt, R, AR, Rx, W, Aw, Wx, Wte, Rke, Rpk, Rvke, Mr1e, Mr2e, A1e, A2e.

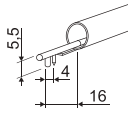
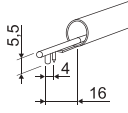
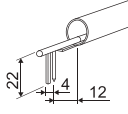
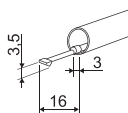
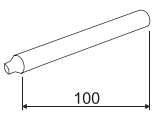
Supplied with calibration certificate.

ACCESSORIES

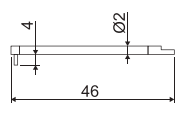
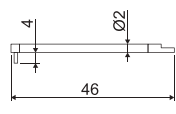
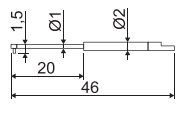
| |
|--|
| LA253SB |
| Remote control software |
| LA253SB1 |
| Software with graphics for LA253RP |
| LA257PRINT |
| Bluetooth printer |
| LA257ST2 |
| Motorised stand |
| LA257ST3 |
| Manual stand |
| LA254C20 |
| Profilometry measurement kit consisting of sensor + stylus + sample 15x15 mm |

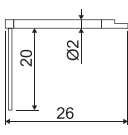
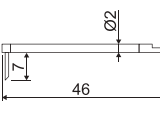
LA250 ROUGHNESS TACTOMETERS

| Code | Description | Price List Page |
|-----------|--|---|
| LA30010A | Standard probe for flat surfaces or \varnothing greater than 10 mm. R= 5 μ m |  |
| LA30005CA | For concave and convex surfaces with a minimum radius of 5 mm |  |
| LA30005CB | For concave and convex surfaces with a minimum radius of 5 mm |  |
| LA30005PA | For flat surfaces, grooves and shoulders Depth max. 5 mm |  |
| LA30001A | V-shaped skid for wires and cylinders with minimum \varnothing 1 mm |  |

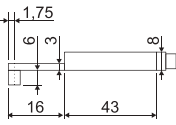
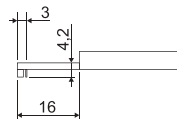
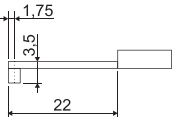
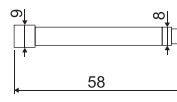
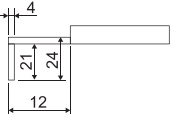
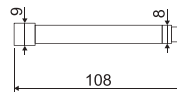
| Code | Description | Price List Page |
|-----------|--|---|
| LA30090A | With front skid, for flat or concave surfaces Ideal for 90° measurements |  |
| LA30090B | With front skid, for flat or concave surfaces Ideal for 90° measurements |  |
| LA30020GA | For grooves and slots Max. depth 20 mm |  |
| LA300LA | Skidless probe for blades, small parts, wires and edges |  |
| LA300100 | Extension 100 mm |  |

LA253 AND LA255 RUGOPROBE PROBES

| Code | Description | Price List Page |
|----------|---|---|
| LA30590 | Roughness tester 90° - 2 μ m (standard) |  |
| LA30560 | Roughness tester 60° - 2 μ m |  |
| LA305290 | Roughness tester for small holes \varnothing 2 mm - 90° - 2 μ m |  |

| Code | Description | Price List Page |
|-----------|---|---|
| LA3052090 | Roughness tester max h=20mm for 90° grooves - 2 μ m |  |
| LA30511 | Probe profilometer 11° measuring range 3mm (only for LA253) |  |

LA251LITE ROUGHNESS TESTER

| Code | Description | Price List Page | Code | Description | Price List Page |
|----------|--|-----------------|------------|---|-----------------|
| LA252016 | SB21 probe for flat surfaces, grooves and shoulders  | | LA252090 | Standard SB51 touch probe for 90° surfaces  | |
| LA252022 | SB31 feeler gauge for planes and holes Ø min. 4mm and max. depth 20mm  | | LA252PR50 | Extension 50 mm  | |
| LA252024 | SB121 probe for grooves and slots max. 20 mm  | | LA252PR100 | Extension 100 mm  | |

LABORATORY PROFILOMETER

FEATURES

New profilometer, simple, compact and with a wide measuring range.

Manual column adjustment, automatic CNC measuring and positioning cycles.

Thanks to the Profile Studio Basic software installed, ALPA PROFIL H100 is extremely easy to use for the operator.

The program allows, through intuitive icons, the dimensioning of the measurable parts.

Possibility to mount tables and accessories for clamping parts.

Supplied with standard H31mm probe, PC complete with monitor, mouse, keyboard and analysis software PROFILE STUDIO BASIC.

Positioning speed 0-10 mm/s.

Measuring speed 0.2-2 mm/s.


Supplied with calibration certificate.

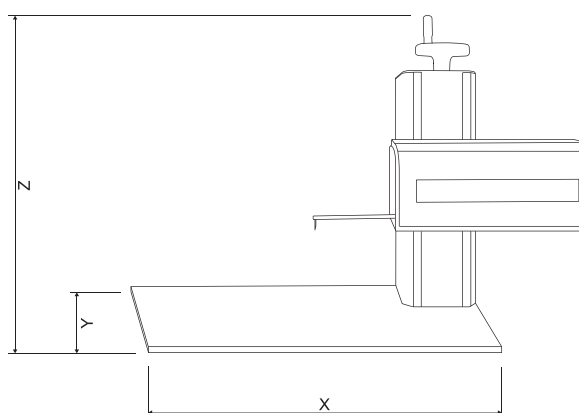
ACCESSORIES

| |
|---|
| LA442T3 |
| 3-axis positioning table |
| LA444T4 |
| 4-axis positioning table |
| LA446M |
| Clamp |
| LA450TAR |
| Calibration sample 45 x 45 r3 mm |
| LA45021 |
| Inspection tip 21mm |
| LA45031 |
| Inspection tip 31mm |
| LA45041 |
| Inspection tip 41mm |
| LA45051 |
| Inspection tip 51mm |
| LA450INNAGN |
| Fixed-side magnetic clutch |
| LA450BCMAGN |
| Standard magnetic measuring arm without probe |

Profil H100




| Code | Measuring range X μm | Z measuring range μm | Res X μm | Res Z μm |  kg | Price List Page |
|-----------------|------------------------------------|------------------------------------|------------------------|------------------------|---|--------------------|
| LA430MAN | 130 | 50 | 0,5 | 0,2 | 34 | |

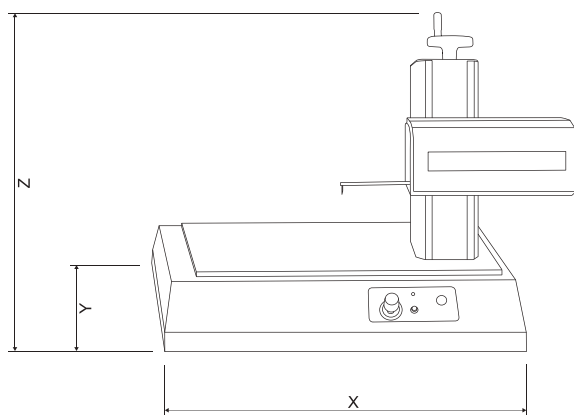


LABORATORY PROFILOMETER

Profil H200



| Code | Measuring range X mm | Z measuring range mm | Res X μm | Res Z μm | Model |  kg | Price List Page |
|-----------|-------------------------|-------------------------|------------------------|------------------------|-----------|---|--------------------|
| LA440MAN | 220 | 50 | 0,5 | 0,1 | Manual | 42 | |
| LA440MOTO | 220 | 50 | 0,5 | 0,1 | Motorised | 42 | |



FEATURES

The Profile Studio analysis software is extremely intuitive and easy to use.

The functions required for profile characterisation are grouped in the right-hand tool bar (arcs, lines, points, dimensions) and are divided into families, each of which has a different colour; on the left-hand side the tree of profiles already acquired and the interface for controlling the instrument (probe position, measurement setting, calibration) are shown.

The CAD is highly advanced: all entities are dynamic and editable after insertion.

Using the BestFit function, an arc or line can be constructed on the profile with a single click.

With the autocomparison function, all entities and dimensional tolerances present on a reference profile can be reconstructed on a new profile.

For the most complex parts, allows the execution of measuring cycles and, therefore, obstacles (grooves, shoulders) are automatically overcome and the profile is reconstructed at the end of the measurement.

Positioning speed 0-10 mm/s.

Measuring speed 0.2-0.5 / 1-2 mm/s.

Supplied with calibration certificate.

ACCESSORIES

| | |
|--------------------|---|
| LA442T3 | 3-axis positioning table |
| LA444T4 | 4-axis positioning table |
| LA446M | Clamp |
| LA450TAR | Calibration sample 45 x 45 r3 mm |
| LA45021 | Inspection tip 21mm |
| LA45031 | Inspection tip 31mm |
| LA45041 | Inspection tip 41mm |
| LA45051 | Inspection tip 51mm |
| LA450INNAGN | Fixed-side magnetic clutch |
| LA450BCMAGN | Standard magnetic measuring arm without probe |

FEATURES

Resolution 0.0001 mm.
 Repeatability 0.5 µm.
 Maximum permissible error $0,7 + L(\text{mm})/1000 \mu\text{m}$.
 Dual origin for internal/external zeroing.
 USB and RS232 data transmission interface (Bluetooth optional).
 Operating temperature $10 \pm 40 \text{ }^\circ\text{C}$.
 Ideal for zeroing all bench-top instruments directly on the shop floor.
 Stable cast-iron support structure suitable for non-air-conditioned production departments.
 Wide range of interchangeable accessories ensures maximum compatibility with all bore gauges on the market.
 Quick motorised movement with basic and advanced functions depending on operating requirements.
 Large interchangeable carbide measuring surfaces with touch-zero function.
 Easy and intuitive E1 display with high-contrast characters and resistant to the production environment.
 Instant switch-on and homing without having to remove accessories.

Supplied with calibration certificate.

HS3


| Code | Indoor range mm | Outdoor range mm | Price List Page |
|--------------|--------------------|---------------------|--------------------|
| LA035HS3400 | 1 ÷ 410 | 50 ÷ 460 | |
| LA035HS31000 | 1 ÷ 1110 | 50 ÷ 1160 | |

DIGITAL MANUAL ROCKWELL BENCH HARDNESS TESTER

Schwer



| Code | Dimensions mm | kg | Price List Page |
|---------|------------------|----|--------------------|
| LA720DR | 500 x 150 x 700 | 87 | |

FEATURES

Hardness tester for measuring the hardness of metals on the ROCKWELL scales.
Supporting structure made of cast iron.
Max. test height 170 mm, depth 165 mm.
Hydraulic load application system with weight method, compliant with UNI-DIN-ASTM standards with loads of kgf 60/100/150 for Rockwell scales A, B and C.
Readout on digital display.
Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- n°1 Diamond Cone Penetrator
- n°1 Ball indenter Ø 1/16" Rockwell B scale
- n°1 Specimen HRC 20-30
- n°1 Specimen HRC 60-70
- n°1 Specimen HRB 80-95
- n°1 Positioning plate Ø 60 mm
- n°1 Positioning plate Ø 150 mm
- n°1 V-shaped plate for cylindrical components

Supplied with calibration certificate.

ACCESSORIES

| |
|----------------------------------|
| LB430TAV |
| Bench |
| LB450HRB |
| Ball indenter Ø 1/16" Rockwell B |
| LB450HRC |
| Rockwell diamond cone indenter |

ROCKWELL MANUAL ANALOGUE BENCH HARDNESS TESTER

Schwer



| Code | Dimensions mm | kg | Price List Page |
|---------|------------------|----|--------------------|
| LB060AR | 520 x 240 x 700 | 80 | |

FEATURES

Hardness tester for measuring hardness on metals on the ROCKWELL scales.
Supporting structure made of cast iron.
Max. test height 170 mm, depth 165 mm.
Hydraulic load application system with weight method, compliant with UNI-DIN-ASTM standards, with loads of kgf 60/100/150 for Rockwell scales A, B and C.
Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- n°1 Diamond Cone Penetrator
- n°1 Ball indenter Ø 1/16" Rockwell B scale
- n°5 Replacement balls
- n°1 Specimen HRC 20-30
- n°1 Specimen HRC 60-70
- n°1 Specimen HRB 20-30
- n°1 Positioning plate Ø 60 mm
- n°1 Positioning plate Ø 150 mm
- n°1 V-shaped plate for cylindrical components

Supplied with calibration certificate.

UNIVERSAL BENCH HARDNESS TESTER

FEATURES

Universal benchtop hardness tester with cast iron supporting structure, maximum test height 170 mm, depth 165 mm.

Load application with motorised and timed mechanism.

Loads 60-100-150 kgf for Rockwell A, B and C scales.

Loads of 31.2-62.5-187,5 kgf for Brinell scales.

Loads of 30 and 100 kgf for Vickers scales.

Rockwell scale readout on dial indicator.

Brinell and Vickers scales readout using built-in microscope.

Workpiece support equipped with 1 x \varnothing 150 mm flat table, 1 x \varnothing 55 mm flat table and 1 x V-prism table for measuring cylindrical parts.

STANDARD EQUIPMENT

- n°1 Diamond Cone Penetrator for Rockwell scales
- n°1 Diamond pyramid indenter for Vickers scales
- n°1 Ball indenter \varnothing 1/16" Rockwell B scale
- n°1 Brinell ball indenter \varnothing 2.5 mm
- n°1 Brinell ball indenter \varnothing 5 mm
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100
- n°1 Specimen HV 30
- n°1 Positioning plate \varnothing 60 mm
- n°1 Positioning plate \varnothing 150 mm
- n°1 V-shaped plate for cylindrical components

Supplied with calibration certificate.

H-Master

| Code | Dimensions mm |  kg | Price List Page |
|---------|------------------|--|--------------------|
| LB151AU | 520 x 215 x 700 | 96 | |

DIGITAL AUTOMATIC ROCKWELL BENCH HARDNESS TESTER

H-Master



| Code | Dimensions mm | kg | Price List Page |
|---------|------------------|----|--------------------|
| LA731DR | 550 x 185 x 755 | 90 | |

FEATURES

Hardness tester for measuring hardness on metals on the ROCKWELL scales.

Supporting structure in cast iron.

Max. test height 175 mm, depth 165 mm.

Mechanical load application system with weight method, conforming to UNI-DIN-ASTM standards with loads of kgf 60/100/150 for Rockwell scales A, B and C.

Manual pre-loading and motorised and timed load application.

Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-shaped prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- n°1 Diamond Cone Penetrator
- n°1 Ball indenter Ø 1/16" Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100
- n°1 Positioning plate Ø 60 mm
- n°1 Positioning plate Ø 150 mm
- n°1 V-shaped plate for cylindrical components

Supplied with calibration certificate.

ACCESSORIES

| |
|----------------------------------|
| LB430TAV |
| Bench |
| LB450HRB |
| Ball indenter Ø 1/16" Rockwell B |
| LB450HRC |
| Rockwell diamond cone indenter |

ROCKWELL AUTOMATIC ANALOGUE BENCH HARDNESS TESTER

FEATURES

For measuring metal hardness on ROCKWELL scales.

Cast-iron supporting structure.

Max. test height 175 mm, depth 165 mm.

Mechanical load application system using the weight method, in accordance with UNI-DIN-ASTM standards, with loads of kgf 60/100/150 for Rockwell scales A, B and C.

Manual pre-loading and motorised and timed load application.

Workpiece support with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- n°1 Diamond Cone Penetrator
- n°1 Ball indenter Ø 1/16" Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100
- n°1 Positioning plate Ø 60 mm
- n°1 Positioning plate Ø 150 mm
- n°1 V-shaped plate for cylindrical components


Supplied with calibration certificate.

ACCESSORIES

| |
|----------------------------------|
| LB430TAV |
| Bench |
| LB450HRB |
| Ball indenter Ø 1/16" Rockwell B |
| LB450HRC |
| Rockwell diamond cone indenter |

H-Master



| Code | Dimensions mm |  kg | Price List Page |
|---------|------------------|--|--------------------|
| LB101AR | 550 x 185 x 755 | 90 | |

HARDNESS TESTER BENCH

FEATURES

Support table for benchtop hardness testers with hole.

Robust design.

Necessary for the correct use of hardness testers.



| Code | Dimensions mm | Price List Page |
|----------|------------------|--------------------|
| LB430TAV | 850 x 600 x 400 | |

PORTABLE ULTRASONIC HARDNESS TESTER



| Code | Hardnesses | Range | Resolution | Dimensions mm | Price List Page |
|--------|---|--|----------------------------------|---------------|-----------------|
| LA7562 | HV - HB - HRC HB - HRB HRA - HSHL HLD - HL | HV: 50-1599 HRC: 20-68 HB: 76-650 HRB: 41-105 HLD: 170-960 | HV: ±3% HRC: ±1.5% HB: ±3% | 160 x 80 x 31 | 500 |

FEATURES

The portable ultrasonic hardness tester solves the classic problem of portable rebound hardness testers (Leeb) which need components with a mass of at least approx. 5 kg to guarantee reliable hardness measurements.

With this universal instrument you can either use the classic rebound probe or the ultrasonic probe for smaller components or surface hardnesses making it a very versatile instrument.

The scope of delivery includes instrument, rebound probe, ultrasonic probe and hardness specimen. Up to 100 readings can be stored and 20 materials can be stored to avoid recalibration each time the instrument is used.

Supplied with calibration certificate.

ACCESSORIES

| |
|--|
| LA757SPC Cylindrical flat support |
| LA754BATT Ultrasonic hardness tester battery |

LEEBS PORTABLE REBOUND HARDNESS TESTER



| Code | Hardnesses | Dimensions mm | Price List Page |
|--------|---------------------------------|-----------------|-----------------|
| LA758D | HLD - HRC - HRB HB - HV - HS | 76 x 37 x 153 h | |

FEATURES

Measuring range: HLD (200-960) / HRC (19.8-68.5) / HRB (13.5-100) / HB (30-651) / HV (80-976) / HS (26.4-99.5) with Type D probe (Standard). Accuracy ± 6 HLD (HLD=800), repeatability < 6 HLD (HLD=800).

Impact direction 360° manually settable. Materials: steel, cast iron, stainless steel, aluminium alloys, copper-tin alloys, brass. Minimum sample weight: 5 Kg.

Display: LED backlit LCD in English.

Memory 100 groups (each group includes 1-7 results and 1 average value), USB communication (Standard) with software included and 2 x 1.5V AA batteries.

Standard GB/T 17394-1998, ASTM A956. Suitable for large parts and comparative measurements.

Supplied with calibration certificate.

ACCESSORIES

| |
|--|
| LA761DR D-type probe (universal) |
| LA761GR G-type probe (for cast iron) |
| LA761CR C-type probe (for surface treatments) |
| LA761DLC DL-type probe with reduced dimensions (Ø 4mm) |
| LA761DCR DC-type probe with short handle |

LEEB COMPACT PORTABLE REBOUND HARDNESS TESTER

FEATURES

Measuring range: HLD (200-960) / HRC (19.8-68.5) / HRB (13.5-100) / HB (30-651) / HV (80-976) / HS (26.4-99.5) with Type D probe (Standard).
 Accuracy: ± 6 HLD (HLD=800), repeatability < 6 HLD (HLD=800).
 360° impact direction manually settable.
 Materials steel, cast iron, stainless steel, aluminium alloys, copper-tin alloys, brass.
 Minimum sample weight: 5 kg.
 45 mm OLED display with 160 x 128 pixel resolution in English.
 Memory: 1000 groups, each group includes 6 results and 1 average value, USB communication, used for charging and data transmission, uses software for transmission, archiving and printing.
 Lithium AAA battery, equipped with Auto Power Off system for automatic switch-off after 3 minutes of inactivity.
 Standard: GB/T 17394-1998, ASTM A956.
 Suitable for large parts and comparative measurements.

Supplied with calibration certificate.



| Code | Dimensions mm | Price List Page |
|--------|------------------|--------------------|
| LA759D | 46 x 23 x 150 h | |

TECLOCK®

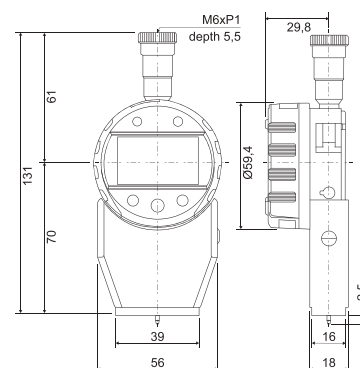
FEATURES

Instruments of highest quality and accuracy, conforming to ASTM and ISO standards.
 Digital display readout, 0.5 resolution.
 Data output in Digimatic format.
 Large rectangular resting surface.

Supplied with calibration certificate.

ACCESSORIES

| | |
|-----------------|--|
| LB225S | Column stand for Shore A, B, 0, E |
| LB225PS | Additional weight for Shore D, C, D0 |
| LB225A | Apparatus for testing Shore A hardness testers |
| LB225C | Connection cable to Digimatic printer or interface |
| LB225PST | Connection cable to Digimatic printer or interface |



| Code | Shore | Spring load mN | Indentor | Applications | Price List Page |
|---------|-------|-------------------|---------------------|-------------------------|--------------------|
| LA765A | A | 550 - 8050 | Conical section 35° | Soft rubber | |
| LA765B | B | 550 - 8050 | Conical 30° | Rubber, elastomers | |
| LA765C | C | 0 - 44450 | Conical section 35° | Rubber, plastic | |
| LA765D | D | 0 - 44450 | Conical 30° | Hard rubber-plastic | |
| LA765D0 | D0 | 0 - 44450 | Spherical R1.19 | Rubberized fabrics | |
| LA765E | E | 550 - 8050 | Spherical R2.50 | Very soft materials | |
| LA7650 | 0 | 550 - 8050 | Spherical R1.19 | Silicone | |
| LA76500 | 00 | 203 - 1111 | Spherical R1.19 | Sponge rubber, silicone | |

HARDNESS TESTER FOR RUBBER AND ELASTOMERS



| Code | Shore | Spring load mN | Penetrator | Applications | Price List Page |
|---------|-------|----------------|---------------------|-------------------------|-----------------|
| LB200A | A | 550-8050 | Conical section 35° | Soft rubber | |
| LB200B | B | 550-8050 | Conical 30° | Rubber, elastomers | |
| LB200C | C | 0-44450 | Conical section 35° | Rubber, plastic | |
| LB200D | D | 8-44450 | Conical 30° | Hard rubber-plastic | |
| LB200D0 | D0 | 0-44450 | Spherical R1.19 | Rubberized fabrics | |
| LB200E | E | 550-8050 | Spherical R2.50 | Very soft materials | |
| LB2000 | 0 | 550-8050 | Spherical R1.19 | Silicone | |
| LB20000 | 00 | 203-1111 | Spherical R1.19 | Sponge rubber, silicone | |

TECLOCK®

FEATURES

Instruments of highest quality and accuracy, conforming to ASTM and ISO standards. Faith hand to store maximum value. Large rectangular bearing surface.

Supplied with calibration certificate.

ACCESSORIES

| |
|--|
| LB225S |
| Column stand for Shore A, B, 0, E |
| LB225PS |
| Additional weight for Shore D, C, D0 |
| LB225A |
| Apparatus for testing Shore A hardness testers |
| LB2253D |
| Shore D test specimen set 3 pieces |
| LB2257A |
| Shore A test specimen set 7 pieces |

SHORE A/D HARDNESS TESTER



| Code | Shore mm | Dimensions | kg | Range mm | Stroke mm | Price List Page |
|--------|----------|---------------|-----|----------|-----------|-----------------|
| LB202A | A | 115 x 60 x 25 | 0,5 | 0 ÷ 100 | 0 - 2,5 | |
| LB202D | D | 115 x 60 x 25 | 0,5 | 0 ÷ 100 | 0 - 2,5 | |

FEATURES

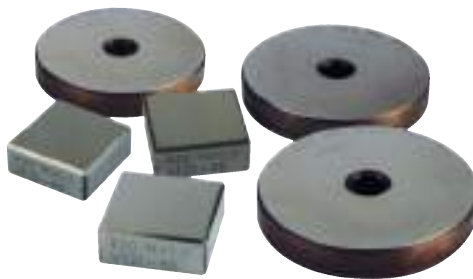
Analogue hardness tester for measuring hardness on rubber, plastic, sponges and related materials. This instrument directly measures Sha and ShD hardness.

Supplied with calibration certificate.

ACCESSORIES

| |
|------------------------------------|
| LB2253D |
| Shore D test specimen set 3 pieces |
| LB2257A |
| Shore A test specimen set 7 pieces |

TEST SPECIMENS FOR HARDNESS TESTER CALIBRATION



| Code | Description | Price List Page |
|--------------|----------------------------------|-----------------|
| LB240HBW187 | Test specimen HBW2.5/187.5 ~ 400 | |
| LB240HBW3000 | Test specimen HBW10/3000 ~ 400 | |
| LB240HBW62 | Test specimen HBW2.5/62.5 ~ 100 | |
| LB240HRB90 | Test specimen HRC ~ 90 | |
| LB240HRC40 | Test specimen HRC ~ 40 | |
| LB240HRC50 | Test specimen HRC ~ 50 | |
| LB240HRC60 | Test specimen HRC ~ 60 | |
| LB240HV | Specimen HV30 ~ 450 | |
| LB240HV01 | Test specimen HV0.1 ~ 400 | |

FEATURES

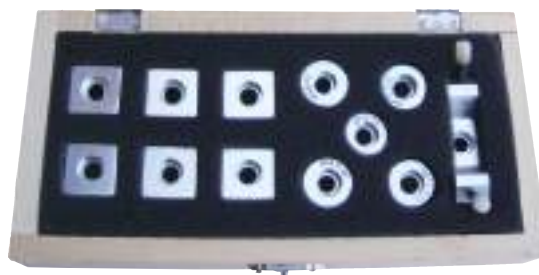
Test specimens for calibration and verification of hardness testers with hardness scales Rockwell, Brinell and Vickers. Other hardnesses available on request. Supplied with Accredia certificate.

ADAPTER SETS FOR REBOUND HARDNESS TESTERS

FEATURES

Our wide selection of adapters allows testing on many concave, convex, spherical cylindrical geometries.

Supplied with calibration certificate.



| Code | Pieces | Price List Page |
|---------|--------|-----------------|
| LB25012 | 12 | |

EYE TRIM II PRESETTING

FEATURES

High-performance entry-level preset.

Diameter 260 mm.

Height 360 mm.

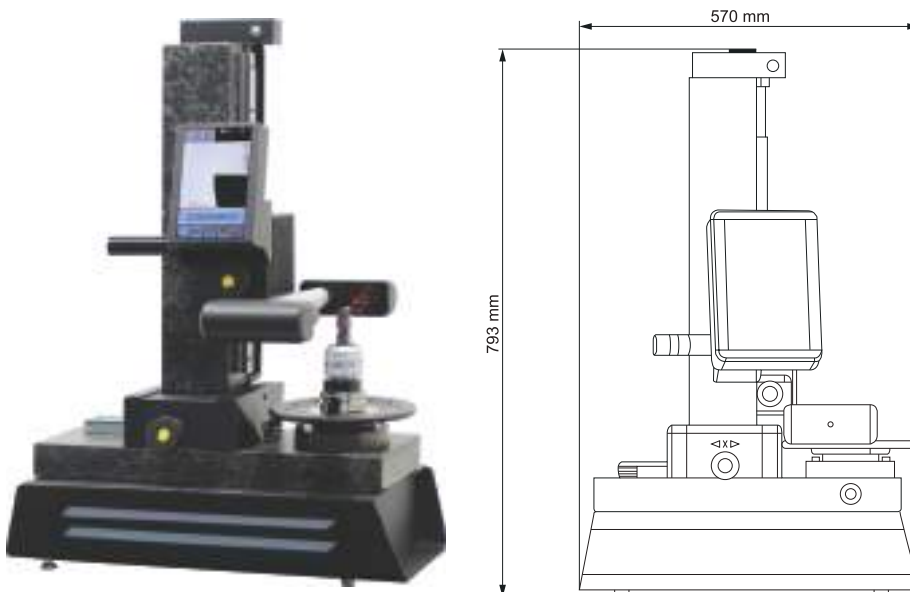
Eye Trim II incorporates structural and design features that guarantee high measurement accuracy, dimensional stability and a high degree of reliability.


Base and column made of natural granite, one of the materials with the lowest coefficient of thermal expansion (a key element when it comes to measurement).

New 7" graphic display makes the presetting experience simple and complete thanks to an intuitive display of tool data and the practical summary of all machine functions in a single screen.

Interchangeable spindle holders avoid the use of adapters and consequently possible coupling errors. OPTIONAL Interchangeable ISO/BT/HSK/VDI spindle holder. Additional miniature printer. Support table.

Supplied with calibration certificate.



| Code | Useful X-axis mm | Useful Z-axis mm | Chuck |  49 | Price List Page |
|---------|------------------|------------------|--------|--|-----------------|
| LA22540 | 130 (ø 260) | 360 | ISO 40 | | 45 |
| LA22550 | 130 (ø 260) | 360 | ISO 50 | | 45 |
| LA22563 | 130 (ø 260) | 360 | HSK 63 | | 45 |

COAT THICKNESS GAUGE WITH BUILT-IN PROBE - SCALE 1



| Code | Base | Model | Price List Page |
|-----------|-----------------------|-------|-----------------|
| LA510FB | Ferrous | B | |
| LA510FS | Ferrous | S | |
| LA510FT | Ferrous | T | |
| LA510NFB | Non-ferrous | B | |
| LA510FNFB | Ferrous / Non-ferrous | B | |
| LA510FNFS | Ferrous / Non-ferrous | S | |
| LA510FNFT | Ferrous / Non-ferrous | T | |

COAT THICKNESS GAUGE WITH BUILT-IN PROBE - SCALE 2



| Code | Base | Model | Price List Page |
|-----------|---------|-------|-----------------|
| LA515FB | Ferrous | B | |
| LA515FB* | Ferrous | S | |
| LA515FB** | Ferrous | T | |



FEATURES

Measuring range 0 to 1500 μm .
 Accuracy $\pm 3\%$ or $+2.5 \mu\text{m}$.
 Readout 0.1 μm : 0 to 100 μm ; 1 μm : 100 to 1500 μm .
 Portable coating thickness gauge with large, high-contrast, self-rotating colour display for easy reading in all conditions.
 IP64 protection.
 Data output via USB or Bluetooth® (S and T models).
 This gauge can measure coatings (chrome, paint, zinc, etc.) on magnetic iron metals (magnetic induction F version) or non-magnetic metals (eddy current N version). on magnetic iron metals (magnetic induction F version) or non-magnetic metals (eddy current N version).

Supplied with calibration certificate.



FEATURES

Measuring range 0.5 mm.
 Accuracy $\pm 1-3\%$ or $+20 \mu\text{m}$.
 Readout 1 μm : 0.1 mm; 10 μm : 1.5 mm.
 Portable coating thickness gauge with large, high-contrast, self-rotating colour display for easy readout under all conditions.
 IP64 protected.
 Data output via USB or Bluetooth® (S and T models).
 This gauge can measure coatings (chrome, paint, zinc, etc.) on ferro-magnetic metals (F version with magnetic induction, N version with eddy currents, etc.) or non-magnetic metals (N version with magnetic induction). on magnetic iron metals (magnetic induction F version) or non-magnetic metals (eddy current N version).

Supplied with calibration certificate.

FEATURES

Measuring range: 0-13mm.
 Accuracy $\pm 1-3\%$ or $+50 \mu\text{m}$.
 Readout $1 \mu\text{m}$: 0.2 mm; $10 \mu\text{m}$: 2.13 mm.
 Portable coating thickness gauge with large, high-contrast, self-rotating colour display for easy readout under all conditions.
 IP64 protected.
 Data output via USB or Bluetooth® (S and T models).
 This gauge can measure coatings (chrome, paint, zinc, etc.) on ferro-magnetic metals (F version with magnetic induction, N version with eddy currents, etc.) or non-magnetic metals (N version with magnetic induction), on magnetic iron metals (magnetic induction F version) or non-magnetic metals (eddy current N version).

Supplied with calibration certificate.



| Code | Base | Model | Price List Page |
|-----------|---------|-------|-----------------|
| LA521FB | Ferrous | B | |
| LA521FB* | Ferrous | S | |
| LA521FB** | Ferrous | T | |

FEATURES

Portable coating thickness gauge with large, high-contrast, self-rotating colour display for easy reading in all conditions of use.
 IP64 protected.
 Data output via USB or Bluetooth® (S and T models).
 This gauge can measure coatings (chrome plating, paint, galvanising, etc.) on ferro-magnetic metals (magnetic induction F version) or non-magnetic metals (eddy current N version).
 Technical characteristics depend on the type of probe to be installed.

Supplied with calibration certificate.















| Code | Base | Model | Price List Page |
|-----------|-----------------------|-------|-----------------|
| LA525FB | Ferrous | B | |
| LA525FS | Ferrous | S | |
| LA525FT | Ferrous | T | |
| LA525NFB | Non-ferrous | B | |
| LA525NFS | Non-ferrous | S | |
| LA525NFT | Non-ferrous | T | |
| LA525FNFB | Ferrous / Non-ferrous | B | |
| LA525FNFS | Ferrous / Non-ferrous | S | |
| LA525FNFT | Ferrous / Non-ferrous | T | |


Measuring range: 0-1500 µm, Accuracy: ± 1-3 %, Reading 0.1 µm: 0-100 µm, Reading 1 µm: 100-1500 µm

| Code | Description | F Base | NF Base | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|----------|--|--------|---------|----------|-------------------|------------------|-----------------|
| LA544F |  Straight | ✓ | - | - | 85 | (F) 4 | |
| LA544NF |  Straight | - | ✓ | - | 85 | (F) 4 | |
| LA544FNF |  Straight | - | - | ✓ | 88 | (F) 4 (N) 6 | |
| LA546F |  90° | ✓ | - | - | 28 | (F) 4 | |
| LA546NF |  90° | - | ✓ | - | 28 | (F) 4 | |
| LA546FNF |  90° | - | - | ✓ | 38 | (F) 4 (N) 6 | |
| LA548F |  Mini 90° (M5) 45mm | ✓ | - | - | 16 | 4 | |
| LA548NF |  Mini 90° (M5) 45mm | - | ✓ | - | 16 | 4 | |
| LA550NF |  Mini 90° (M5) 150mm | - | ✓ | - | 16 | 4 | |
| LA552NF |  Mini 90° (M5) 400mm | - | ✓ | - | 16 | 4 | |
| LA554F |  Straight sealed | ✓ | - | - | 85 | 4 | |
| LA556F |  Mini 90° probe (M5) sealed | ✓ | - | - | 16 | 4 | |
| LA560NF |  Anodised | - | ✓ | - | 100 | 4 | |
| LA562F |  P/N/P™ | ✓ | - | - | 170 | (F) 4 | |
| LA562NF |  P/N/P™ | - | ✓ | - | 180 | (F) 4 | |
| LA562FNF |  P/N/P™ | - | - | ✓ | 180 | (F) 4 (N) 6 | |

Measuring range: 0-5 mm, Accuracy: $\pm 1-3\%$ or $\pm 20\ \mu\text{m}$, Reading $0.1\ \mu\text{m}$: 0-1 mm, Reading $10\ \mu\text{m}$: 1-5 mm

| Code | Description | F Base | NF Base | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|---------|--|--------|---------|----------|-------------------|------------------|-----------------|
| LA564F |  Straight | ✓ | - | - | 89 | 8 | |
| LA564NF |  Straight | - | ✓ | - | 88 | 14 | |
| LA566F |  90° | ✓ | - | - | 32 | 8 | |
| LA568F |  Reinforced | ✓ | - | - | 138 | 8 | |
| LA570F |  Telescopic 56-122 mm | ✓ | - | - | 36 | 8 | |
| LA572F |  Soft cover | ✓ | - | - | 89 | 8 | |
| LA574F |  Water resistant - 1 m cable | ✓ | - | - | 138 | 8 | |
| LA576F |  Water resistant - 5 m cable | ✓ | - | - | 138 | 8 | |
| LA578F |  Water resistant - 15 m cable | ✓ | - | - | 138 | 8 | |
| LA584F |  PINP™ | ✓ | - | - | 174 | 8 | |
| LA584NF |  PINP™ | - | ✓ | - | 185 | 14 | |
| LA586F |  For high temperatures 250° C | ✓ | - | - | 174 | 8 | |





 Measuring range: 0-13 mm, Accuracy: $\pm 1-3\%$ or $\pm 50\ \mu\text{m}$, Reading $0.1\ \mu\text{m}$: 0-2 mm, Reading $10\ \mu\text{m}$: 2-13 mm

| Code | Description | F Base | NF Base | Base FNF mm | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|--------|--|--------|---------|-------------|-------------------|------------------|-----------------|
| LA588F |  Straight | ✓ | - | - | 102 | 14 | |
| LA590F |  PINP™ | ✓ | - | - | 184 | 14 | |

PROBES FOR CARRY-OVER GAUGES - SCALE 6




Measuring range F: 0-25 mm, Measuring range N: 0-30 mm, Accuracy: $\pm 1-3\%$ or $\pm 100\ \mu\text{m}$, Reading 10 μm : 0-2 mm, Reading 100 μm : 2-30 mm

| Code | Description | F Base | NF Base | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|---------|--|--------|---------|----------|-------------------|------------------|-----------------|
| LA592F |  Straight | ✓ | - | - | 150 | 51 x 51 | |
| LA592NF |  Straight | - | ✓ | - | 160 | 58 | |
| LA594F |  Reinforced | ✓ | - | - | 190 | 51 x 51 | |
| LA594NF |  Reinforced | - | ✓ | - | 200 | 58 | |



PROBES FOR COATING GAUGES - SCALE 7






Measuring range: 0-31 mm, Accuracy: $\pm 1-3\%$ or $\pm 100\ \mu\text{m}$, Readout 10 μm : 0-2 mm, Readout 100 μm : 2-31 mm

| Code | Description | F Base | Base N | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|--------|--|--------|--------|----------|-------------------|------------------|-----------------|
| LA596F |  Reinforced | ✓ | - | - | 200 | 55 x 55 | |




Measuring range: 0-500 µm, Accuracy: ± 1-3 % or ± 2.5 µm, Reading 0.1 µm: 0-100 mm, Reading 1 µm: 100-500 µm

| Code | Description | F Base | NF Base | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|---------|--|--------|---------|----------|-------------------|------------------|-----------------|
| LA598F |  Mini 45mm | ✓ | - | - | 6 | 3 | |
| LA598NF |  Mini 45mm | - | ✓ | - | 6 | 4 | |
| LA600F |  Mini 90° 45mm | ✓ | - | - | 16 | 3 | |
| LA600NF |  Mini 90° 45mm | - | ✓ | - | 16 | 4 | |
| LA602F |  Mini 45° 45mm | ✓ | - | - | 18 | 3 | |
| LA604F |  Mini 90° 150mm | ✓ | - | - | 16 | 3 | |
| LA604NF |  Mini 90° 150mm | - | ✓ | - | 16 | 4 | |
| LA606F |  Mini 90° 300mm | ✓ | - | - | 16 | 3 | |
| LA608F |  Mini 45° 300mm | ✓ | - | - | 18 | 3 | |
| LA610NF |  Mini 90° 400mm | - | ✓ | - | 16 | 4 | |








Measuring range: 0-500 µm, Accuracy: ± 1-3 % or ± 2.5 µm, Reading 0.1 µm: 0-100 mm, Reading 1 µm: 100-500 µm

| Code | Description | F Base | Base N | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|---------|---|--------|--------|----------|-------------------|------------------|-----------------|
| LA612NF |  Mini 90° Graphite 45mm | - | ✓ | - | 16 | 4 | |
| LA614NF |  Mini 90° Graphite 150mm | - | ✓ | - | 16 | 4 | |
| LA616NF |  Mini 90° Graphite 400mm | - | ✓ | - | 16 | 4 | |

Measuring range: 0-1500 µm, Accuracy: ± 1-3 % or ± 2.5 µm, 1 µm reading: 0-1500 µm

| Code | Description | F Base | Base N | FNF Base | Min. footprint mm | Ø Min. Sample mm | Price List Page |
|----------|--|--------|--------|----------|-------------------|------------------|-----------------|
| LA618F |  Scanning probe | ✓ | - | - | 85 | 15 | |
| LA618FNF |  Scanning probe | - | - | ✓ | 85 | 15 | |
| LA540CAP |  Replacement caps for scanning probes | | | | | | |

ACCESSORIES FOR CARRY-OVER GAUGES

| Code | Description | Price List Page | Code | Description | Price List Page |
|----------|--|-----------------|----------|--|-----------------|
| LA536FN | JUMBO handle for F / N probes  | | LA538FNF | V-adapter for FNF probes  | |
| LA536FNF | JUMBO handle for FNF probes  | | LA540CAP | Replacement caps for scanning probes  | |
| LA542S | Precision stand T95012880 for small parts  | | LA533USB | USB cable  | |
| LA538FN | V-adapter for F / N probes  | | | | |

CALIBRATION SHIM SETS

FEATURES

Set of thickness gauges for calibrating feeler gauges with internal or external probe.

Supplied with calibration certificate.



| Code | Number of thicknesses | Range μm | Price List Page |
|----------|-----------------------|-------------|--------------------|
| LA563060 | 6 | 25 ÷ 1000 | |



QUADRETTATOR FOR ADHESION TESTS

FEATURES

The checker provides immediate assessment of the quality of adhesion to the substrate.

Robust design.

Wide, non-slip grip.

Ideal for thin, thick or high-strength coatings.

Enables adhesion control on a wide range of coatings.

Supplied with calibration certificate.



| Code | Coating thickness μm | Price List Page |
|------------|-------------------------|--------------------|
| LA527KIT61 | 0 - 60 | |
| LA527KIT62 | 0 - 120 | |



DEW POINT METER

FEATURES

This handy instrument can read surface temperature, air temperature and relative humidity at the same time.

With these three values it can determine dew point, delta, wet bulb temperature and specific humidity.

It is possible to set a minimum and maximum value on the various parameters, an alarm will warn the operator when these limits are exceeded.

Only the T model is equipped with an internal memory that allows you to store your data via USB interface or Bluetooth with your PC using the supplied software.



| Code | Internal probe range | Relative humidity range | Model | Price List Page |
|--------|----------------------|-------------------------|-------|--------------------|
| LA660S | -20 ÷ 80C° | 0 ÷ 100% | S | |
| LA660T | -20 ÷ 80C° | 0 ÷ 100% | T | |

ULTRASONIC THICKNESS GAUGE



| Code | Accuracy | Price List Page |
|-----------|---|-----------------|
| LA505EEPE | ± 0.5 % up to 9.99 mm ± 0.5 % from 10 to 500 mm | |
| LA505PE | ± 0.1% up to 19.99 mm ± 0.5% 20 to 500 mm | |

DIGITAL DYNAMOMETER



| Code | Capacity N | Resolution N | Price List Page |
|-----------|------------|--------------|-----------------|
| LA81510 | 10 | 0,01 | |
| LA81550 | 50 | 0,01 | |
| LA815100 | 100 | 0,1 | |
| LA815500 | 500 | 0,1 | |
| LA8151000 | 1000 | 1 | |

FEATURES

With its design and functionality, it easily and accurately measures the thickness of a wide range of materials (steel alloys, aluminium, copper, brass, PVC) up to 500 mm depending on the type of material measured and probe used.

Simple to use.

IP54 protection.

Electronics protected from dust and splash water.

Selectable resolution 0,1 mm or 0.01 mm.

Built-in zeroing disk in the instrument.

Supplied with standard 5 Mhz 1/4 inch probe, coupling fluid, screen protector, carrying case, batteries, manufacturer's calibration certificate (ElcoMaster software and USB cable only in LA505EEPE version).

Supplied with calibration certificate.

FEATURES

An instrument used to measure weight force, both in tension and compression.

Digital models in particular support different scales and are equipped with dedicated software and connection cable to interface with PCs.

The areas of use are many, from quality control in basic production to the maintenance of safety equipment such as fire extinguishers and panic bars.

Supplied with calibration certificate.

MECHANICAL DYNAMOMETER

FEATURES

Analogue mechanical tension and compression load gauges, suitable for checking springs, levers, elastic belts, buttons, switches, etc..

Two measuring systems: with automatic locking at maximum load, or with continuous free reading.

Double reading scale: N and kgf.

Supplied in a case complete with 1 tensile coupling, 4 compression adapters and 1 extension piece.



Supplied with calibration certificate.

| Code | Capacity N | Resolution N | Price List Page |
|----------|---------------|-----------------|--------------------|
| LB30010 | 10 | 0,05 | |
| LB30020 | 20 | 0,1 | |
| LB30030 | 30 | 0,2 | |
| LB30050 | 50 | 0,2 | |
| LB300100 | 100 | 0,5 | |
| LB300200 | 200 | 1 | |
| LB300300 | 300 | 2 | |
| LB300500 | 500 | 2 | |