


















DIGITAL METROLOGY

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MECHANICAL METROLOGY

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FEELER GAUGES AND GAUGES

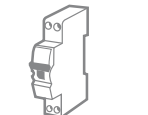
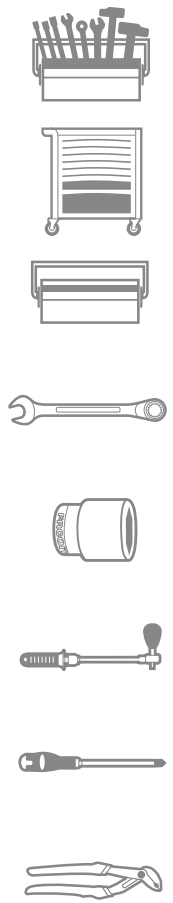
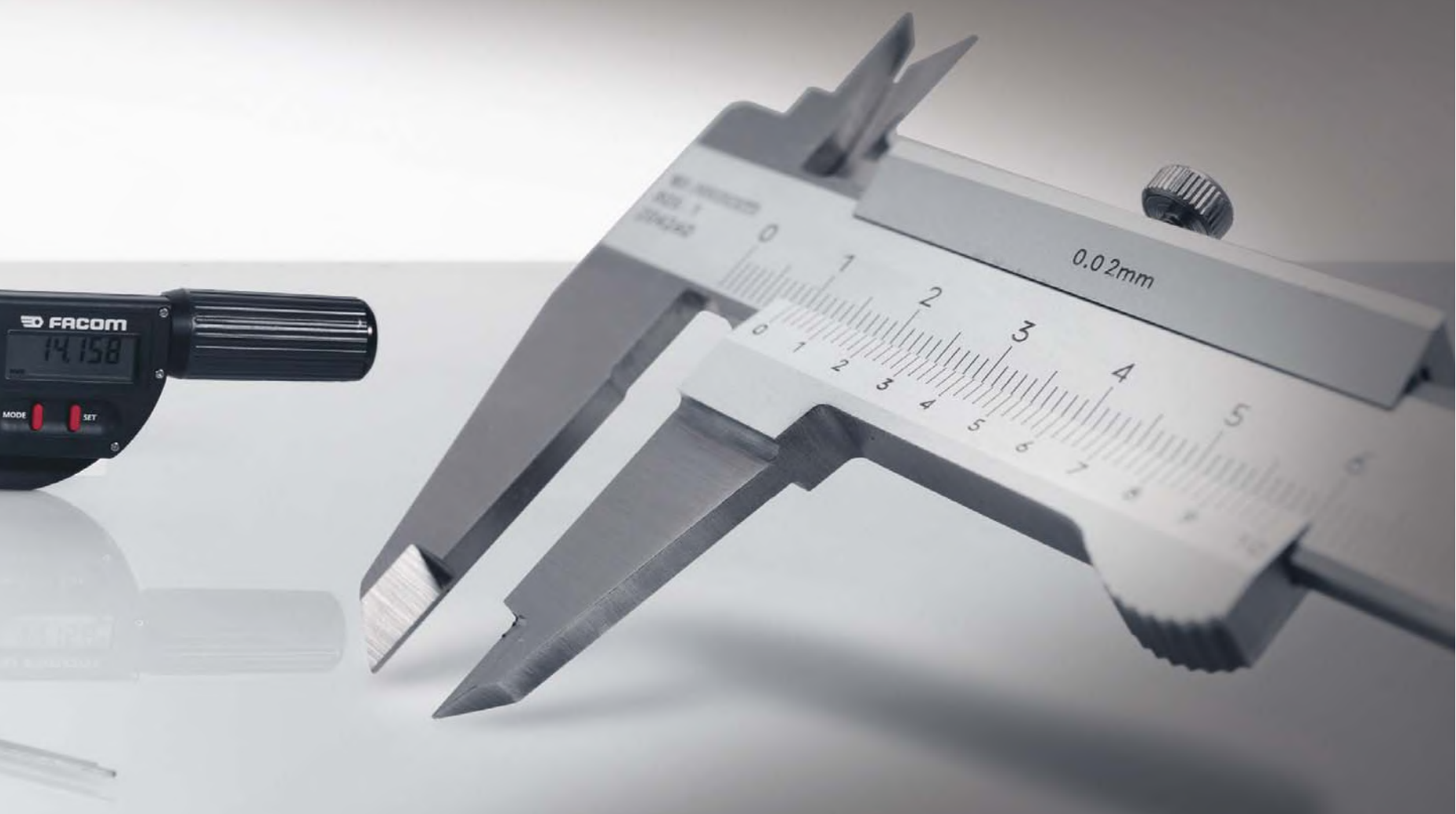
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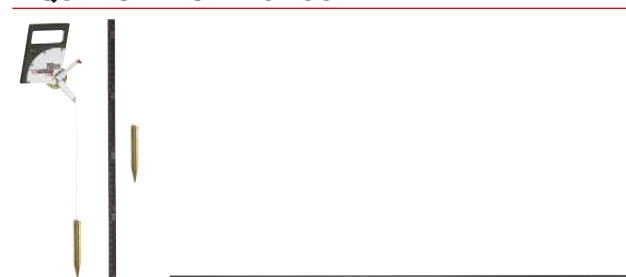
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Calipers

METROLOGY

INTRODUCTION TO THE STANDARDS

DIN 862 - Vernier and digital caliper measurements from 0 to 2,000 mm.

- Vernier or circular scale reading to 0.1 / 0.05 / 0.02 mm. Dimensional standard

| Rule length (mm) | Height of lower jaw a1 (mm) | Height of upper jaw a1 (mm) | Total thickness for inside measurement a1 (mm) | Extent of depth gauge a1 (mm) |
|------------------|-----------------------------|-----------------------------|--|-------------------------------|
| 160 | 40 | 8 | 5 | 100 |
| 200 | 60 | 8 | 10 | 100 |
| 250 | 75 | 10 | 10 | 100 |
| 300 | 90 | 10 | 10 | 100 |

- Accuracy

| Rule length (mm) | Limit of error in μm | | | |
|------------------|---------------------------------|---------------------------|---------------------------|----------------------------|
| | Accuracy | | | Digital reading |
| | 0.1 / 1/10 th | 0.05 / 1/20 th | 0.02 / 1/50 th | 0.01 / 1/100 th |
| 50 | | 50 | 20 | 20 |
| 100 | | 50 | 20 | 20 |
| 200 | | 50 | 30 | 30 |
| 300 | | 50 | 30 | 30 |

- Hardness of measuring surfaces. +/- 53 HRC for stainless steel.

- Digital display measurements:

- Rate of displacement > standard (0.5m/s).
- Error notification in case of: - Excessive speed.
- Low power.

DIN 863 - Part 1 - Outside micrometers - Standard design Mechanical and digital display micrometer.

- Dimensional standard: - Anvil diameter 6.5 - 7.5 or 8 mm.
- Tolerance of flatness of measuring surfaces 0.6 μm .
- The locking lever must not alter the reading by more than 2 μm .
- Thimble graduation.

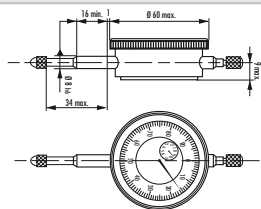
| Measurement range (mm) | Bias error (μm) | Parallelism tolerance Applied force = 10N (μm) | Frame bending tolerance Applied force = 10N (μm) |
|------------------------|------------------------------|---|---|
| 0-25 | 4 | 2 | 2 |
| 25-50 | 4 | 2 | 2 |
| 50-75 | 5 | 3 | 3 |
| 75-100 | 5 | 3 | 3 |

Other specifications covered by the standard.

- Maximum force applied to the measured component between 5 and 10 N.
- The quality of the materials used and their elasticity under load.

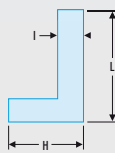
DIN 878 Dial gauges to 1/100 mm.

- Dimensional standard.
- Definition of accuracy.
- Measuring force - between 0.3 N and 1.5 N.



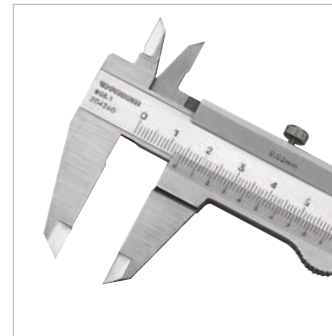
DIN 875 - Engineers square.

- Accuracy class.
- Perpendicularity tolerance of 2 surfaces.
- Flatness of edges.
- Legal markings.



| Perpendicularity tolerance (μm) | | | | Dim. (L) mm | Height | |
|--|----------------|----|----|-------------|--------------|---------|
| Dim. (L) mm | Accuracy class | | | | Class 00/0/1 | Class 2 |
| | 0 | 1 | 2 | | | |
| 75 | 7 | 14 | 28 | 75 | 50 | 50 |
| 100 | 7 | 15 | 30 | 100 | 70 | 70 |
| 150 | 8 | 18 | 35 | 150 | 100 | 100 |
| 200 | 9 | 20 | 40 | 200 | 130 | 130 |
| 250 | 10 | 23 | 45 | 250 | 165 | 165 |
| 300 | 11 | 25 | 50 | 300 | 200 | 175 |
| 500 | 15 | 35 | 70 | 500 | 330 | 250 |

| L x H mm | Flatness tolerance (μm) | | |
|----------|--------------------------------------|----|----|
| | Accuracy class | | |
| | 0 | 1 | 2 |
| 50 | 3 | 5 | 10 |
| 70 | 3 | 5 | 11 |
| 75 | 3 | 6 | 11 |
| 100 | 3 | 6 | 12 |
| 130 | 3 | 7 | 13 |
| 150 | 4 | 7 | 14 |
| 165 | 4 | 7 | 15 |
| 200 | 4 | 8 | 16 |
| 250 | 5 | 9 | 18 |
| 300 | 5 | 10 | 20 |
| 330 | 5 | 11 | - |
| 500 | 7 | 14 | 28 |



DIGITAL CALIPER

EASY, EFFICIENT AND RELIABLE!

Easy to use

- Clear, easy-to-read LCD screen.
- More intuitive use. Quick and easy to operate.
- Easier data transmission.

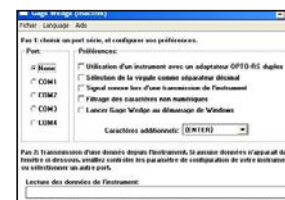
Reliable

- DIN 862.
- Ingress protection (IP) – IEC529.
 - Protection against dust and liquids.
 For perfect reliability under all operating conditions.
 - IP 6x = No dust penetration.
 - IP x5 = Protected against water jets from any direction for 3 minutes.
- Patented inductive measuring system.
- RS 232 connection. PC data transmission utility.

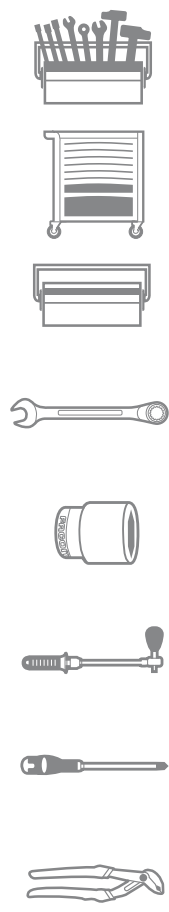


Efficient data transmission

- Gagewedge utility program developed for FACOM.
- Reliable data recording. Saves time, simple and easy to use.
- Compatible with the entire FACOM digital range.
- Easy RS232 cable connection between the measuring instrument and the PC.



• Free download from www.facom.com



1300-1320 - Digital display calipers - 1/100th



NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/100th - 0.01 mm.
- Repeatability: 10 µm.
- Protection rating IP 65:
 - IP 6: full dust protection.
 - IP 5: fluid spray protection.
- Rectified stainless steel mechanical assembly.
- Reading rule with patented induction system.
- Flat depth gauge.
- LCD digital display 6 mm.
- Floating zero.
- Metric / imperial conversion.
- Automatic power off.
- Compatibility with Gagewedge software, RS232 output.
- Operating time: about 3500 hours.
- Supplied in case with compliance certificate.

| | C [mm] | L [mm] | L1 [mm] | L2 [mm] | Capacity Cubic [mm] | Bias error [µm] | ΔΔ [g] |
|------|--------|--------|---------|---------|---------------------|-----------------|--------|
| 1300 | 40 | 233 | 16 | 10 | 150 | 20 | 465 |
| 1320 | 50 | 290 | 20 | 14 | 200 | 30 | 400 |

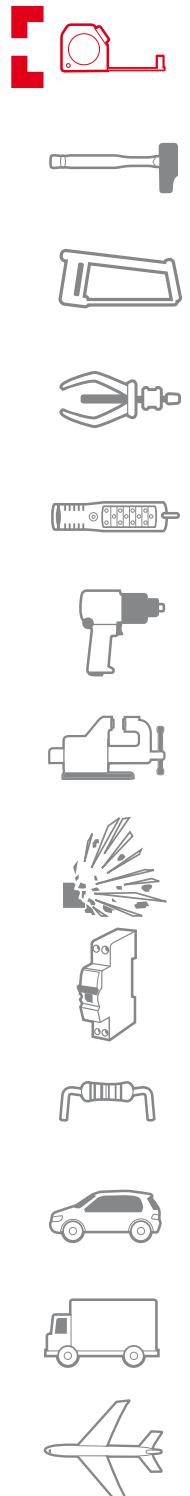
Workshop digital display caliper 150 mm - 1/100th



NF EN ISO 13385-1, ISO 13385-1, DIN 862

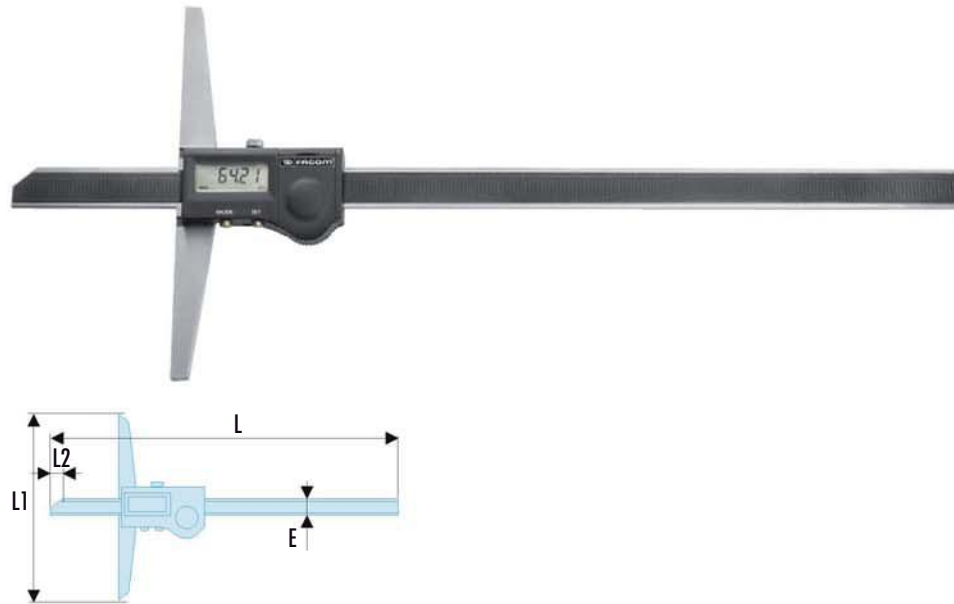
- Pocket-size caliper to be used in the workshop.
- Accuracy: 1/100th - 0.01 mm.
- Digital display for easy reading (resolution 0.01mm).
- Measurements: mm / inch. Inside / outside / depth measurement.
- Protection rating IP 20.
- Supplied with CR2032 battery.

| | L [mm] | Capacity Cubic [mm] |
|-------|--------|---------------------|
| 1300E | 235 | 150 |



Depth gauge

■ Digital display depth gauge 300 mm - 1/100th



NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/100th - 0.01 mm.
- Repeatability: 10 µm.
- Protection rating IP 65:
 - IP 6: full dust protection.
 - IP 5: fluid spray protection.
- Rectified stainless steel mechanical assembly.
- Reading rule with patented induction system.
- LCD digital display 6 mm.
- Floating zero.
- Metric / imperial conversion.
- Compatible with Gagewedge software, RS232 output.
- Automatic power off.
- Operating time: about 3500 hours.
- Supplied in case with compliance certificate.

| | E [mm] | L [mm] | L1 [mm] | L2 [mm] | Capacity Cubic [mm] | Bias error [µm] | ΔΔ [g] |
|-------------|--------|--------|---------|---------|---------------------|-----------------|--------|
| 1350 | 150 | 372 | 150 | 10 | 300 | 20 | 928 |

Micrometer

■ Digital display micrometer 25 mm



NF EN ISO 3611, ISO 3611, DIN 863

- Accuracy: 0.001 mm.
- Measurement range: 0 - 25 mm.
- Adjustable measuring force: 10 N (DIN 863).
- Protection rating IP 65:
 - IP 6: full dust protection.
 - IP 5: fluid spray protection.
- Automatic standby after 20 min.
- Stand by position without loss of origin.
- Fast forward: Drum forward 12 mm / turn.
- Compatibility with Gagewedge software, RS232 output.
- Operating time: 10 000 hours continuous.
- Supplied in case with compliance certificate.

| | Capacity Cubic [mm] | ΔΔ [g] |
|--------------|---------------------|--------|
| 1355A | 0 - 25 | 270 |

Dial gauge

■ Digital display dial gauge



DIN 878

- Accuracy: 0.001 mm.
- Measurement range: 0 - 12.5 mm.
- Metric / imperial conversion.
- Protection rating IP 51.
- LCD display 6 mm.
- Fastening bush (Ø 8 mm).
- Interchangeable plunger tip (M2.5).
- Display pivots through 270°.
- Floating zero.
- Change of origin for any tip position.
- Measurement possible with two different references.
- Measurement save (frozen display).
- Compatibility with Gagewedge software, RS232 output.
- Supplied with FACOM compliance certificate.

| | Capacity Cubic [mm] | ΔΔ [g] |
|-------------|---------------------|--------|
| 1365 | 0 - 12,5 | 120 |

Accessories

1300.C2 Computer connection cable - RS232



- This cable is used to connect different metrology devices with a PC type computer.
- Weight: 55 g.

Mechanical calipers

MECHANICAL METROLOGY

IMPROVED PERFORMANCE

Compliance with DIN 862

- Dimensional regulation.
- Hardness of measuring faces.
- Accuracy and limit of error in μm .
- Standard of quality and readability of graduations.

Technical specifications

- Ground stainless steel.
- Lock screw for reliable readings without risk of slippage.
- Vernier with guide. Natural hand position.
- Increased comfort.

Perfect reading quality

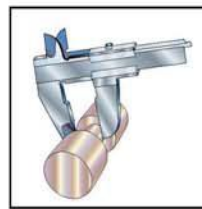
- Good contrast and anti-reflection.
- Excellent readability.
- Chemically formed graduation markings for perfect resistance to wear and chemical agents.



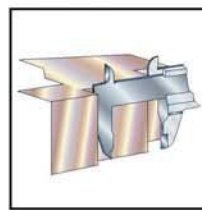
Outside measurement.



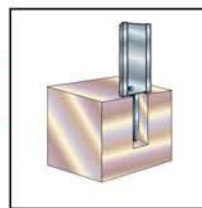
Inside measurement.



Throat measurement.



Step measurement.



Depth measurement.



Accuracy

- To 1/50 – 1/20 – 1/10 mm.

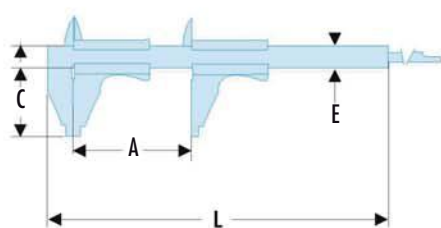
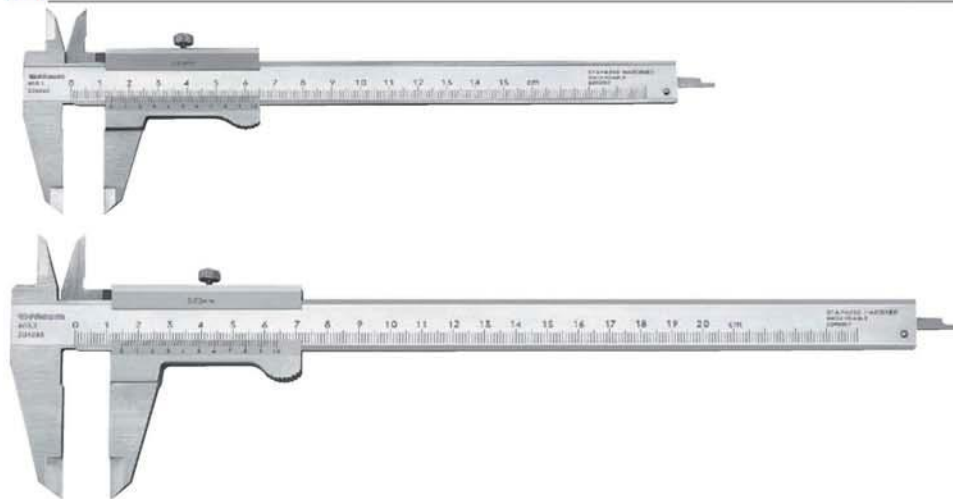
Traceability

- Supplied with a numbered certificate of conformity.

EXTRA SERVICE

Have your measuring instruments inspected each year by an accredited organisation to guarantee their accuracy.

805 - Universal calipers class 0 - 1/50th



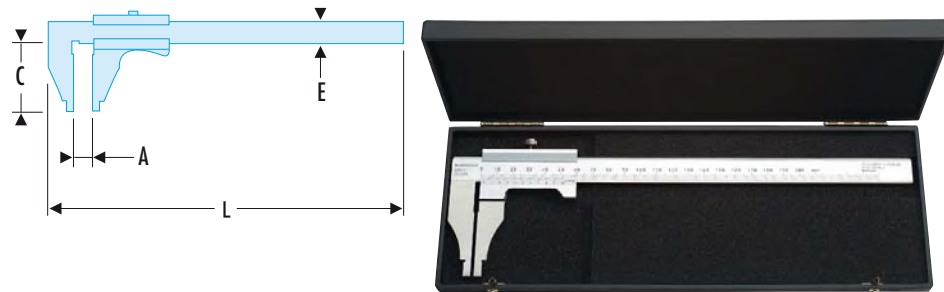
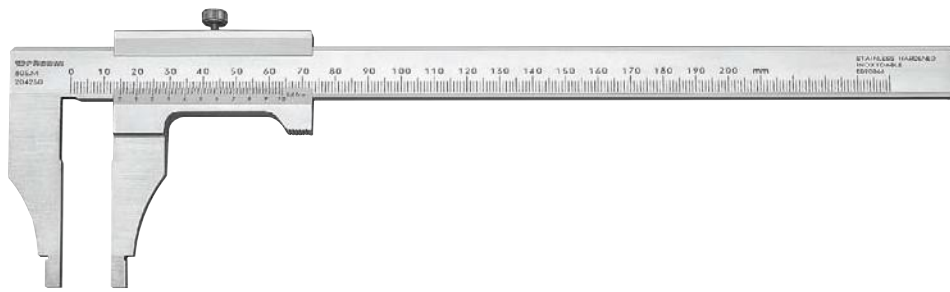
NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/50th - 0.02 mm.
- Interior, exterior, depth measurement.
- Stainless steel rule - mat finish.
- Rule hardness: 40 HRc minimum.
- Flat depth gauge.
- Vernier with guide for better thumb position.
- Vernier endurance: 20 000 cycles minimum.
- Vernier screw locking.
- Supplied in case with compliance certificate.

| | A [mm] | C [mm] | E [mm] | L [mm] | Bias error [μm] | Accuracy [mm] | $\Delta\Delta$ [g] |
|-------|--------|--------|--------|--------|------------------------------|---------------|--------------------|
| 805.1 | 150 | 40 | 16 | 228 | 20 | 0,02 | 290 |
| 805.2 | 200 | 50 | 17 | 290 | 30 | 0,02 | 419 |



Caliper class 0 - 1/50th

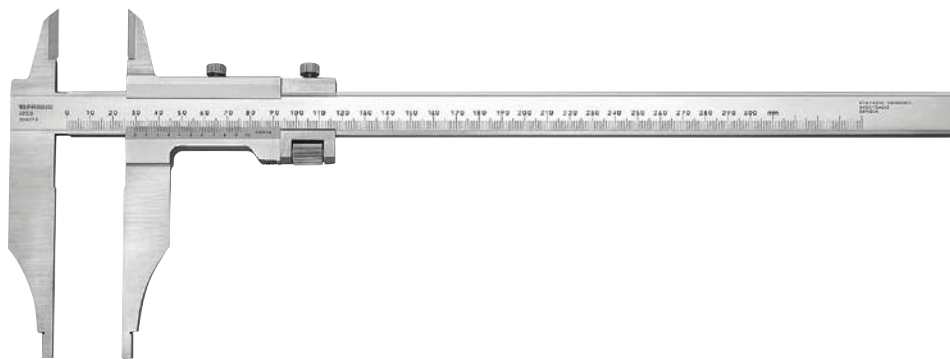


NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/50th - 0.02 mm.
- Measurement capacity: 200 mm.
- Interior, exterior measurement (bore exceeding 10 mm).
- Stainless steel rule - mat finish.
- Rule hardness: 40 HRc minimum.
- Vernier with guide for better thumb position.
- Vernier endurance: 20 000 cycles minimum.
- Vernier screw locking.
- Graduations resistant to chemicals.
- Perfect contrast guaranteeing optimum reading quality.
- Supplied in case with compliance certificate.

| | A [mm] | C [mm] | E [mm] | L [mm] | Bias error [μm] | Accuracy [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|--------|-----------------|---------------|--------|
| 805.M | 200 | 60 | 17 | 290 | 30 | 0,02 | 423 |

Universal caliper - 300 mm - 1/50th

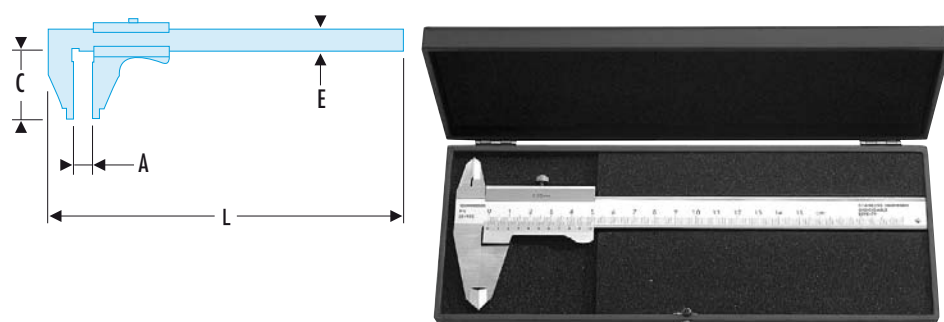
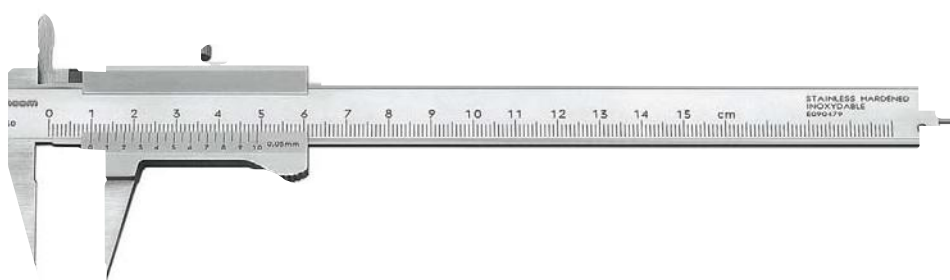


NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/50th - 0.02 mm.
- Measurement capacity: 300 mm.
- Interior, exterior measurement (bore exceeding 10 mm).
- Stainless steel rule - mat finish.
- Rule hardness: 40 HRc minimum.
- Vernier with guide for better thumb position.
- Vernier endurance: 20 000 cycles minimum.
- Vernier screw locking.
- Precision adjustment screw.
- Supplied in case with compliance certificate.

| | A [mm] | C [mm] | E [mm] | L [mm] | Bias error [μm] | Accuracy [mm] | ΔΔ [g] |
|--------------|--------|--------|--------|--------|-----------------|---------------|--------|
| 805.S | 300 | 100 | 20 | 418 | 30 | 0,02 | 941 |

Universal caliper - 150mm - 1/20th

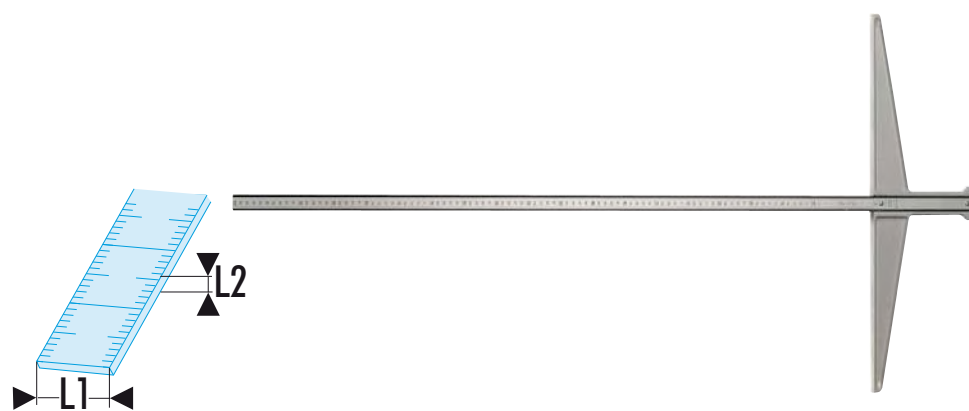


NF EN ISO 13385-1, ISO 13385-1, DIN 862

- Accuracy: 1/20th - 0.05 mm.
- Interior, exterior, depth measurement.
- Stainless steel rule - mat finish.
- Rule hardness: 40 HRc minimum.
- Flat depth gauge.
- Vernier with guide for better thumb position.
- Vernier endurance: 20 000 cycles minimum.
- Vernier screw locking.
- Supplied in case with compliance certificate.

| | A [mm] | C [mm] | E [mm] | L [mm] | Bias error [μm] | Accuracy [mm] | ΔΔ [g] |
|------------|--------|--------|--------|--------|-----------------|---------------|--------|
| 816 | 150 | 40 | 16 | 228 | 50 | 0,05 | 288 |

DELA.5360 - Outage and inage hollow gauges - 0 at top

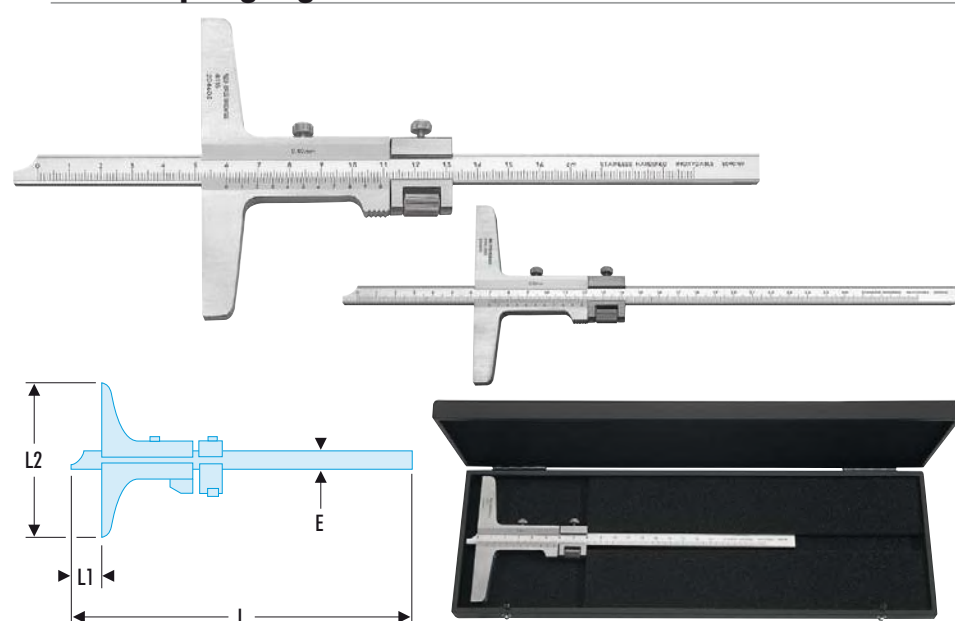


- Rule in AU4G.
- Graduation in mm.
- Bar width: 60 cm.

| | L [mm] | L1 x L2 [mm] | ΔΔ [kg] |
|---------------------|--------|--------------|---------|
| DELA.5360.01 | 500 | 21,5 x 1,2 | 1,000 |
| DELA.5360.06 | 1000 | 21,5 x 1,2 | 1,200 |
| DELA.5360.07 | 1500 | 21,5 x 1,2 | 1,240 |

Mechanical depth gauges

811 - Depth gauges class 0 - 1/50th



NF EN ISO 13385-2, ISO 13385-2, DIN 862

- Accuracy: 1/50th - 0.02 mm.
- Stainless steel rule - mat finish.
- Rule hardness: 40 HRc minimum.
- Measurement surface hardness: 53 HRc minimum.
- Vernier with guide for better thumb position.
- Vernier endurance: 20 000 cycles minimum.
- Vernier locking by precision adjustment screw.
- Supplied in case with compliance certificate.

| | A [mm] | E [mm] | L [mm] | L1 [mm] | L2 [mm] | Bias error [μm] | Accuracy [mm] | ΔΔ [g] |
|-----------------|--------|--------|--------|---------|---------|-----------------|---------------|--------|
| 811B | 160 | 10 | 240 | 160 | 100 | 20 | 0,02 | 465 |
| 811C.250 | 250 | 10 | 330 | 250 | 100 | 30 | 0,02 | 491 |

Mechanical micrometers

806 - Micrometers 1/100th mm accuracy



NF EN ISO 3611, ISO 3611, DIN 863

- Accuracy: 1/100th - 0.01 mm.
- Accuracy: 0.01 mm.
- Carbide plunger tip: Ø 6.5 mm.
- Ratchet drum with torque limiter.
- Force applied on the part included strictly between 5 and 10 Nm.
- Drum: Ø 18 mm.
- Drum with 50 divisions (one drum turn: 0.5 mm).
- Isothermal pads.
- Supplied with:
 - Pin and hook calibration wrench.
 - Calibration shim wrench from model 806C.50.
- Calibration shims:
 - 806.C50: 25 mm ± 1.5 μm.
 - 806.C75: 50 mm ± 2 μm.
 - 806.C100: 75 mm ± 2.5 μm.
- Supplied in plastic case.
- Supplied with compliance certificate.

| | Measuring Range [mm] | Bias error [μm] | Flatness of measuring surfaces/Max. | Parallelism of measuring faces |
|-----------------|----------------------|-----------------|-------------------------------------|--------------------------------|
| 806.C25 | 0 - 25 | 4 | 0,4 | 2 |
| 806C.50 | 25 - 50 | 4 | 0,4 | 2 |
| 806C.75 | 50 - 75 | 5 | 0,4 | 3 |
| 806C.100 | 75 - 100 | 5 | 0,4 | 3 |



807C Exterior micrometer with extension 1/100th mm accuracy



NF EN ISO 3611, ISO 3611, DIN 863

- Accuracy: 1/100th - 0.01 mm.
- Reading range 0 to 150 mm.
- Accuracy: 0.01 mm.
- Ratchet drum with torque limiter.
- Force applied on the part included strictly between 5 and 10 N.m.
- Drum: Ø 18 mm.
- Carbide plunger tip: Ø 6.5 mm.
- Interchangeable fixed plunger tip.
- Supplied with a set of 5 extensions.
- Supplied with the 5 calibration shims.
- Calibration shims:
 - 807.CALE25: 25 mm ± 1.5 µm.
 - 807.CALE50: 50 mm ± 2 µm.
 - 807.CALE75: 75 mm ± 2.5 µm.
 - 807.CALE100: 100 mm ± 3 µm.
 - 807.CALE125: 125 mm ± 3.5 µm.
- Isothermal pads.
- Plunger tip lock.
- Supplied in wood case.
- Supplied with compliance certificate.

806.F Exterior friction micrometer 1/100th mm accuracy



NF EN ISO 3611, ISO 3611, DIN 863

- Accuracy: 1/100th - 0.01 mm.
- Accuracy: 0.01 mm.
- Carbide plunger tip: Ø 6.5 mm.
- Ratchet drum with torque limiter.
- Force applied on the part included strictly between 5 and 10 N.m.
- Drum = Ø 18 mm.
- Plunger tip lock.
- Supplied in plastic case.
- Supplied with compliance certificate.

| | Capacity Cubic [mm] | Bias error [µm] | Flatness of measuring surfaces/Max. | Parallelism of measuring faces |
|--------------|---------------------------|--------------------|--|--------------------------------------|
| 806.F | 0 - 25 | 4 | 0,4 | 2 |

Metrology sets

MOD.MET Metrology module



- 805.1 mechanical caliper capacity 1/50 mm.
 - 806.F: palmer 1/100 mm capacity 25 mm.
 - 814.M: screw pitch gauge 23 blades, 25 to 300.
 - 804: metric feeler gauges 4/100 to 1 mm.
 - Thermoformed module PL634.
- Weight: 0.930 kg.

809.J2 Metrology-control case 8 tools

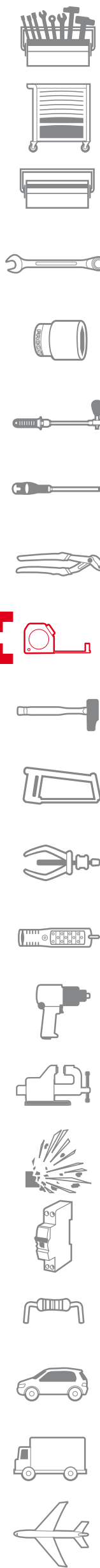


- Including:
- 805.M: caliper to 1/50 mm (capacity: 200 mm).
 - 803.300M: stainless rule 300 mm.
 - 811: depth gauge 1/50 mm (capacity: 160 mm), fine adjustment by return screw.
 - 818B.15: simple square 150 mm (accuracy class: 1).
 - 236: carbide scriber.
 - 256.4: punch.
 - 806.C25: micrometer 1/100 mm (capacity: 25 mm).
 - 1901.05: straight scriber (capacity: 150 mm).
- Supplied in case (L. x D. x H.): 365 x 260 x 30 mm.
Weight: 2.100 kg.

809.J3 Metrology-control case 10 tools



- Including:
- 805.M: caliper 1/50 mm (capacity 200 mm).
 - 806.C25: micrometer 1/100 mm (capacity: 25 mm).
 - 806C.50: micrometer 1/100 mm (capacity: 25 - 50 mm).
 - 811: depth gauge 1/50 mm (capacity: 160 mm), fine adjustment by return screw.
 - 818B.15: simple square 150 mm (accuracy class 1).
 - 819B.15: flanged square 150 mm (accuracy class 1).
 - 1901.05: straight scriber 150 mm.
 - 236: carbide scriber.
 - 803.300M: stainless rule 300 mm.
 - 256.4: punch.
- Supplied in case (L. x D. x H.): 410 x 280 x 40 mm.
Weight: 3.560 kg.



Mechanical dial gauges

812B.AC Dial gauge 1/100th mm accuracy



- Accuracy: 1/100th - 0.01 mm.
 - Travel 10 mm saved with totaller.
 - Pivot dial: Ø 57 mm.
 - Interchangeable plunger tip.
- Weight: 345 g.

812B.1AC: Steel ball plunger for 812B.AC dial gauge

812A Dial gauge-magnetic base set



- Dial gauge 812B.AC supplied with the hinged magnetic holder 812.3.
- Weight: 2.245 kg.

812B.P Lever dial gauge 1/100th mm accuracy



- Accuracy: 1/100th - 0.01 mm.
 - Travel: 0.8 mm.
 - Pivot dial: Ø 31 mm.
 - Supplied with 2 fastening rods: Ø 4 and 8 mm.
 - Plunger tip: Ø 2 mm.
- Weight: 154 g.

Magnetic bases

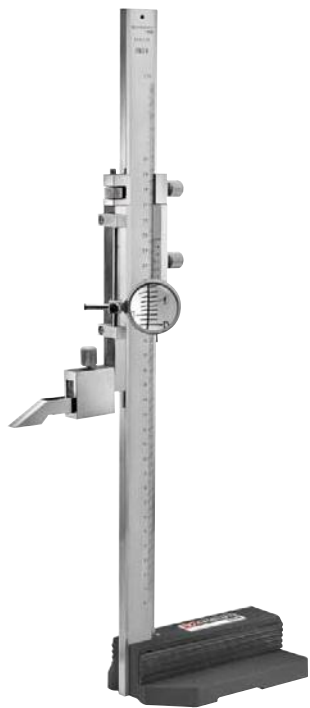
812.3 Dial gauge-hinged magnetic base set



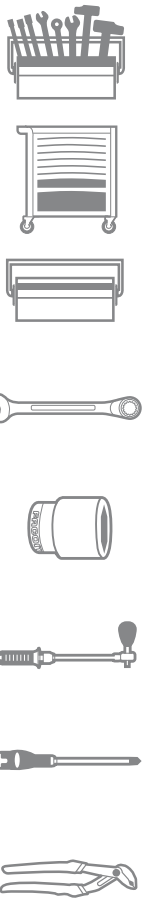
- Radius of action: 280 mm.
 - Vertical tear strength: 600 N (60 kg).
 - Threading Ø: M8.
 - Base: 50 x 55 x 60 mm.
- Weight: 1.900 kg.

Surface gauges

796B Precision surface gauge 300 mm - 1/50th



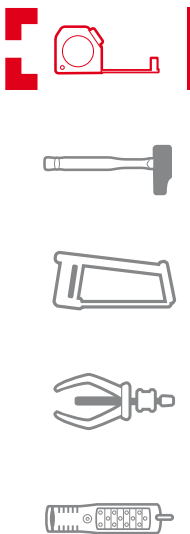
- Class 0.
- Precision 1/50th - 0.02 mm.
- Accuracy error: $\pm 28\mu\text{m}$.
- Reliability error: $\pm 12\mu\text{m}$.
- Stainless steel rule - mat anti-reflection finish:
 - Width: 25 mm.
 - Hardness 40 HRc minimum.
- Maximum measurement capacity: 300 mm.
- Steel alloy scriber:
 - Hardness 53 HRc minimum.
 - Better scribing quality.
- 796B.04: serial no. A02 0001 --> march 01.
- 796C.04: serial no. A02 0001 --> A04 0001.
- Fine adjustment by return screw.
- Repositionable magnifying glass.
- Dial gauge base supplied in standard: for dial gauge with $\varnothing 8$ mm rod (DIN 878 standard).
- Total dimensions: 455 mm x 90 mm.
- Supplied with compliance certificate.
- Weight: 3.280 kg.



795A Engineers surface gauges



- Model without graduation.
- Fine adjustment by pivot strip using a push screw.
- Cast iron base.
- Vertical face with 90° V groove.
- Rod: $\varnothing 10$ mm.
- Weight: 1.745 kg.



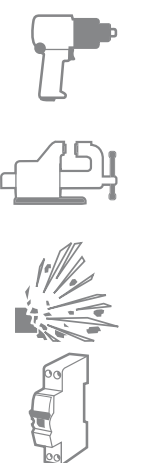
Surface plates and V-block

1200 - Cast iron surface plates



- DIN 876
- Class II.

| Code | Dimension [mm] | $\Delta\Delta$ [kg] |
|---------|----------------|---------------------|
| 1200.30 | 300 x 200 | 7 |
| 1200.40 | 400 x 250 | 16 |
| 1200.50 | 500 x 300 | 22 |
| 1200.60 | 600 x 400 | 35 |

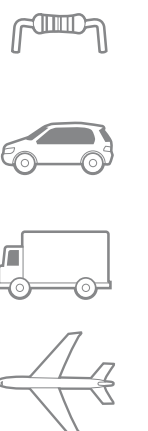


1202.00 - Pair of steel V-blocks - 20 microns



- ISO 8512-1, DIN 876
- Pair of vees with 4 90° notches.
 - Paired vees, identification number punched on the upper face.

| Code | Dimension [mm] | $\Delta\Delta$ [kg] |
|---------|-------------------|---------------------|
| 1202 | 30 x 40 x 50 x 60 | 7,371 |
| 1202.00 | 20 x 30 x 40 x 50 | 2,808 |



RULES

A FACOM SPECIALTY, RIGOROUS EXPERTISE

TIGHT PRODUCTION CONTROL

- Our rules have been produced in our plants located in France since 1918.

CHEMICAL ENGRAVING

- Deep markings.
- Perfect contrast.
- Resistant to wear and chemical agents.

RIGOROUS SELECTION OF MATERIALS GUARANTEEING THE HIGHEST QUALITY

- Compromise between rigidity and flexibility.
- Mat surface for perfect readability.
- Smooth finish for fine, clean markings.

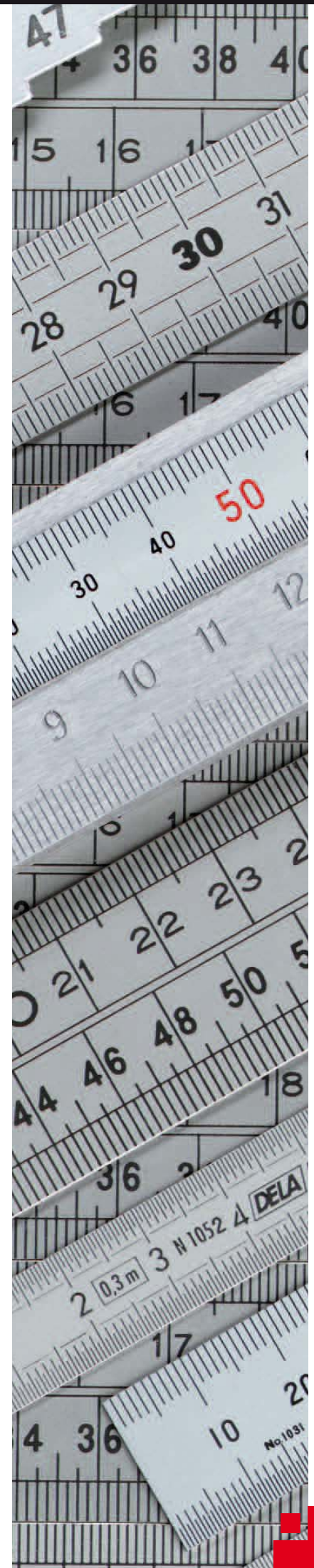
A RANGE OF OVER 50 REFERENCES

- Stainless steel or duralumin.
- Rigid, semi-rigid, flexible.
- Graduation mm – 1/2 mm.

INFORMATION

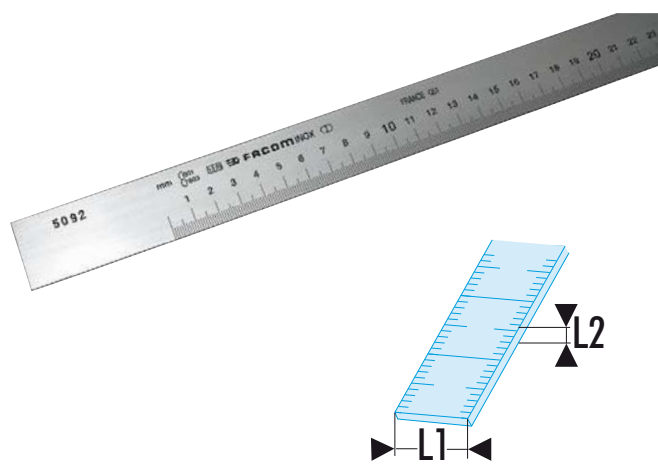
**European directive 2004/22/EC,
necessary harmonisation and
change.**

- Measuring Instrument Directive - Annex MI-008 – material measures.
- Harmonisation of the regulations for the 25 Member States.
- Entry into force in France on 30 October 2006.
- Gradule implementation as pattern approvals expire.
- NB: Only measurements > 500 mm are considered in legal metrology (OIML 35). No pattern and regulatory marking approvals are required for measurements < 500 mm.



Class I stainless steel rule with calibration certificate

Stainless steel rule class I - 1000 mm



- Engraved on one side.
- 1 edge in mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.
- Supplied with calibration certificate.

| ➤ | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|-----------------------|--------|--------------|--------|
| DELA.61058.10C | 1000 | 30 x 1 | 191 |

Engineers rules

Non graduated solid stainless steel rule



NF E 11-105, DIN 847

- Class I, flatness: $4 + L/60 \mu\text{m}$ (L being the length in mm).
- Stainless steel.
- Supplied in wood case.

| ➤ | L [mm] | ΔΔ [kg] |
|------------------|--------|---------|
| 809.IN500 | 500 | 2,900 |

Graduated solid stainless steel rule



NF E 11-105, DIN 874

- Class I, flatness: $4 + L/60 \mu\text{m}$ (L being the length in mm).
- With offset zero graduation.
- Supplied in wood case.

| ➤ | L [mm] | ΔΔ [kg] |
|-------------------|--------|---------|
| 809.ING500 | 500 | 2,900 |

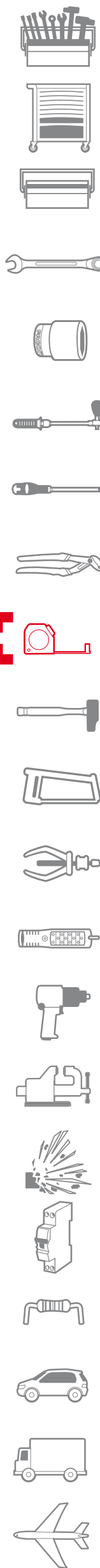
809 - Stainless steel filament rules



NF E 11-104, DIN 874

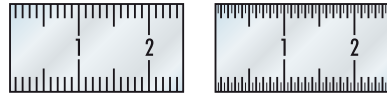
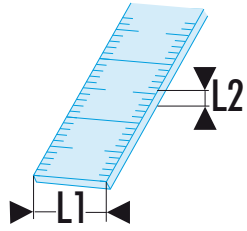
- To check a surface or an edge.
- Tempered stainless steel with insulating handle.
- Supplied in wallet.

| ➤ | L [mm] | Flatness of measuring surfaces/Max. | ΔΔ [g] |
|----------------|--------|-------------------------------------|--------|
| 809.75 | 75 | 2 | 80 |
| 809.100 | 100 | 2 | 125 |
| 809.150 | 150 | 3 | 200 |
| 809.200 | 200 | 3 | 280 |



Class II rules

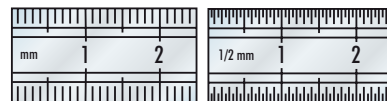
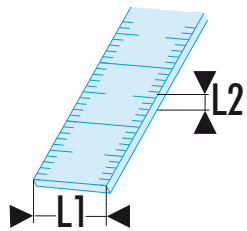
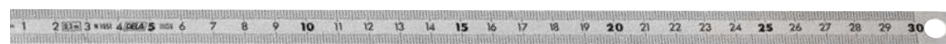
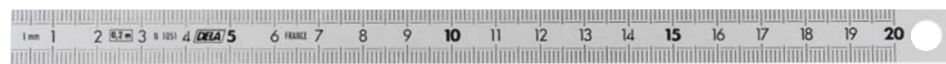
803 - Stainless steel rules - 2 sides



- Engraved on both sides, except 803.1000M (engraved on one side, upper edge in 1/2 mm, lower edge in mm).
- One side in mm - One side in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection mat satin surface.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| 803 | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|------------------|--------|--------------|--------|
| 803.200M | 200 | 13 x 0,4 | 10 |
| 803.300M | 300 | 13 x 0,5 | 16 |
| 803.500M | 500 | 20 x 0,5 | 40 |
| 803.1000M | 1000 | 25 x 0,5 | 100 |

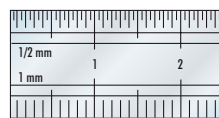
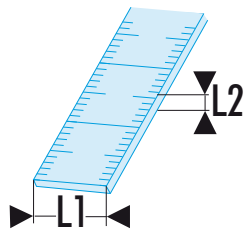
DELA.1051 - Stainless steel rules - 2 sides



- Engraved on both sides.
- One edge in mm - One edge in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| DELA | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1051.02 | 150 | 13 x 0,5 | 8,5 |
| DELA.1051.03 | 200 | 13 x 0,5 | 10,9 |
| DELA.1051.04 | 250 | 13 x 0,5 | 13,5 |
| DELA.1051.05 | 300 | 13 x 0,5 | 16,1 |
| DELA.1051.06 | 500 | 20 x 0,5 | 40,4 |

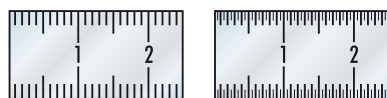
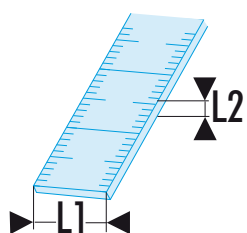
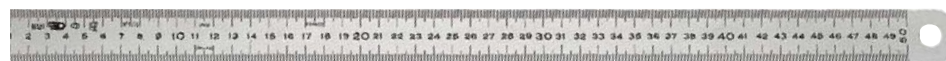
DELA.1021 - Stainless steel rules - 1 side



- Engraved on one side.
- One edge in mm - One edge in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| DELA | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1021.02 | 150 | 13 x 0,5 | 8,5 |
| DELA.1021.03 | 200 | 13 x 0,5 | 10,9 |
| DELA.1021.05 | 300 | 13 x 0,5 | 16,1 |
| DELA.1021.06 | 500 | 20 x 0,5 | 40,4 |
| DELA.1021.07 | 1000 | 25 x 0,5 | 100 |
| DELA.1021.08 | 1500 | 25 x 0,5 | 152 |
| DELA.1021.09 | 2000 | 25 x 0,5 | 200 |

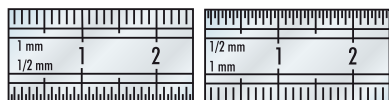
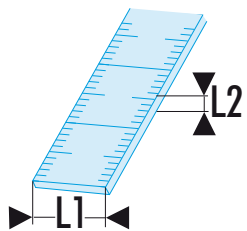
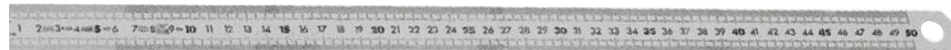
803.SR - Stainless steel semi-rigid rules - 2 sides



- Engraved on both sides except 803.SR1000 (one side).
- One edge in mm - One edge in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection mat satin surface.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| 803.SR | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|-------------------|--------|--------------|--------|
| 803.SR300 | 300 | 30 x 1 | 62 |
| 803.SR500 | 500 | 30 x 1 | 100 |
| 803.SR1000 | 1000 | 30 x 1 | 200 |

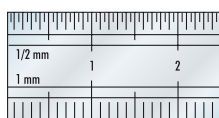
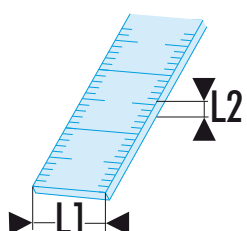
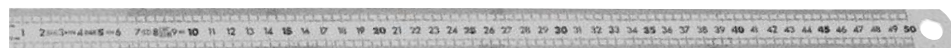
DELA.1056 - Stainless steel semi-rigid short rules - 2 sides



- Engraved on both sides.
- One edge in mm - One edge in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| ⇒ | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1056.01 | 300 | 30 x 0,8 | 60 |
| DELA.1056.02 | 500 | 30 x 0,8 | 100 |

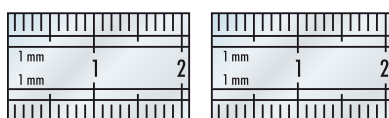
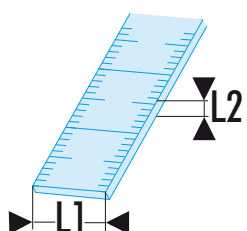
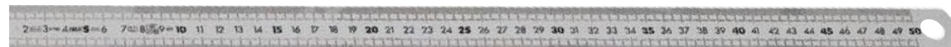
DELA.1056 - Stainless steel semi-rigid long rules - 1 side



- Engraved on one side.
- One edge in mm - One edge in 1/2 mm.
- Graduation in mm on both sides for references: DELA.1056.06 - DELA.1056.07 - DELA.1056.08.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

| ⇒ | L [mm] | L1 x L2 [mm] |
|---------------------|--------|--------------|
| DELA.1056.03 | 1000 | 30 x 0,8 |
| DELA.1056.04 | 1500 | 30 x 0,8 |
| DELA.1056.05 | 2000 | 30 x 0,8 |
| DELA.1056.06 | 3000 | 30 x 1,0 |
| DELA.1056.07 | 4000 | 30 x 1,0 |
| DELA.1056.08 | 5000 | 30 x 1,0 |

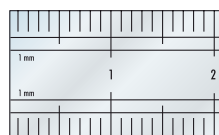
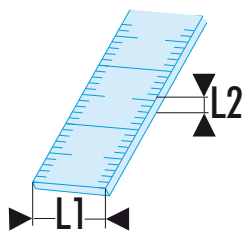
DELA.1061 - Dural semi-rigid short rules - 2 sides



- Engraved on both sides.
- Two edges in mm.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

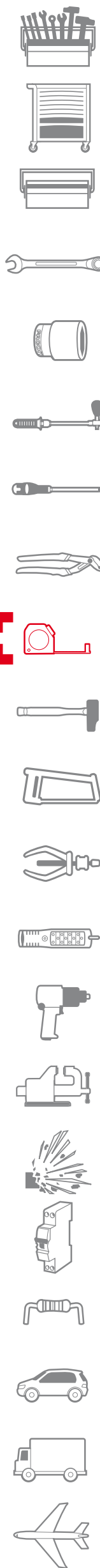
| ⇒ | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1061.01 | 300 | 30 x 1,2 | 33 |
| DELA.1061.02 | 500 | 30 x 1,2 | 53 |

DELA.1061 - Dural semi-rigid long rules - 1 side



- Engraved on one side.
- Two edges in mm.
- Anti-reflection treatment.
- Class II as per regulations applies to rules with a length above or equal to 500 mm.

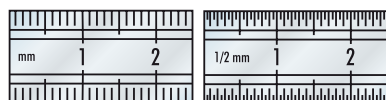
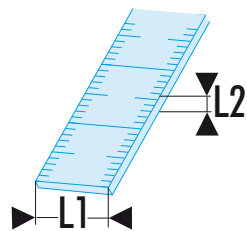
| ⇒ | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1061.03 | 1000 | 30 x 1,2 | 110 |
| DELA.1061.04 | 1500 | 30 x 1,2 | 150 |
| DELA.1061.05 | 2000 | 30 x 1,2 | 200 |



Squares and bevel protractors

Various rules

DELA.1052 - Stainless rules with heel

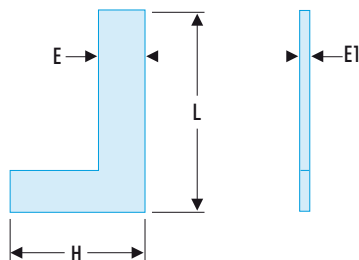


- Engraved on both sides.
- One side in mm - One side in 1/2 mm.
- Stainless steel 18 % Cr - 8 % Ni.
- Anti-reflection treatment.

| ➤ | L [mm] | L1 x L2 [mm] | ΔΔ [g] |
|---------------------|--------|--------------|--------|
| DELA.1052.02 | 200 | 13 x 0,5 | 12 |
| DELA.1052.03 | 300 | 13 x 0,5 | 17 |
| DELA.1052.04 | 500 | 20 x 0,8 | 44 |

Precision squares

818.CLO - Stainless steel basic precision squares - Class 0

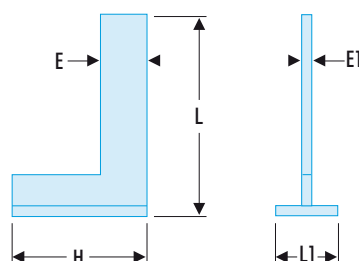


NF E 11-103, DIN 875

- Accuracy: $\pm 5 + h/50 \mu\text{m}$ (h being height in mm).
- Stainless steel.
- Ground exterior edges and flat surfaces.

| ➤ | E x E1 [mm] | L x H [mm] | ΔΔ [kg] |
|-------------------|-------------|------------|---------|
| 818.75CLO | 15 x 5 | 75 x 50 | 0,140 |
| 818.100CLO | 20 x 5 | 100 x 70 | 0,220 |
| 818.150CLO | 27 x 6 | 150 x 100 | 0,455 |
| 818.200CLO | 31 x 7 | 200 x 130 | 0,760 |
| 818.300CLO | 39 x 8 | 300 x 200 | 1,765 |

819.CLO - Stainless steel flanged precision squares - Class 0

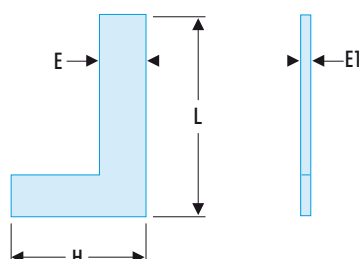


NF E 11-103, DIN 875

- Accuracy: $\pm 5 + h/50 \mu\text{m}$ (h being height in mm).
- Stainless steel.
- Ground exterior edges and flat surfaces.

| ➤ | E x E1 [mm] | L1 [mm] | L x H [mm] | ΔΔ [kg] |
|-------------------|-------------|---------|------------|---------|
| 819.75CLO | 15 x 5 | 15 | 75 x 50 | 0,175 |
| 819.100CLO | 20 x 5 | 20 | 100 x 70 | 0,280 |
| 819.150CLO | 27 x 6 | 28 | 150 x 100 | 0,600 |
| 819.200CLO | 31 x 7 | 32 | 200 x 130 | 1,095 |
| 819.300CLO | 39 x 8 | 40 | 300 x 200 | 2,337 |

818B - Basic squares - Class I

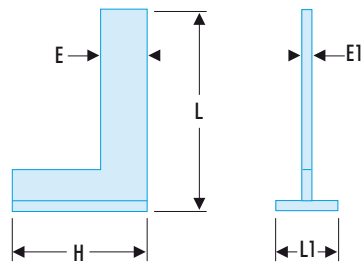


NF E 11-103, DIN 875

- Ground sides and chamfers.
- XC12 steel.

| ➤ | E x E1 [mm] | L x H [mm] | ΔΔ [kg] |
|----------------|-------------|------------|---------|
| 818B.10 | 19 x 5 | 100 x 70 | 0,130 |
| 818B.15 | 24 x 6 | 150 x 100 | 0,240 |
| 818B.20 | 30 x 7 | 200 x 130 | 0,410 |
| 818B.30 | 30 x 7 | 300 x 180 | 0,880 |

819B - Basic flanged squares - Class I

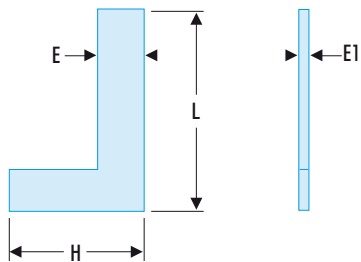


NF E 11-103, DIN 875

- Ground sides and chamfers.
- Screwed flange.
- XC12 steel.
- Supplied with compliance certificate.

| Ref | E x E1 [mm] | L1 [mm] | L x H [mm] | ΔΔ [kg] |
|----------------|-------------|---------|------------|---------|
| 819B.10 | 19 x 5 | 20 | 100 x 70 | 0,250 |
| 819B.15 | 24 x 6 | 25 | 150 x 100 | 0,470 |
| 819B.20 | 30 x 7 | 30 | 200 x 130 | 0,800 |
| 819B.25 | 30 x 7 | 30 | 250 x 160 | 0,980 |
| 819B.30 | 30 x 7 | 30 | 300 x 180 | 1,205 |

DELA.1256 - Basic squares - Class II

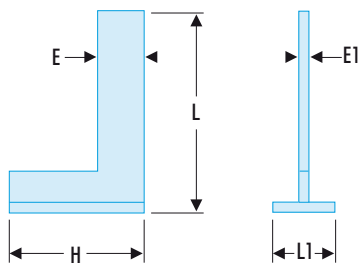


NF E 11-103, DIN 875

- Basic 90° squares.

| Ref | E x E1 [mm] | L x H [mm] | ΔΔ [kg] |
|---------------------|-------------|------------|---------|
| DELA.1256.02 | 20 x 5 | 100 x 70 | 0,125 |
| DELA.1256.04 | 20 x 5 | 150 x 100 | 0,290 |
| DELA.1256.06 | 30 x 7 | 200 x 130 | 0,515 |
| DELA.1256.07 | 30 x 7 | 250 x 165 | 0,580 |
| DELA.1256.08 | 30 x 7 | 300 x 200 | 0,700 |
| DELA.1256.10 | 40 x 7 | 500 x 330 | 1,800 |

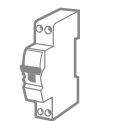
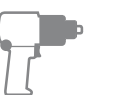
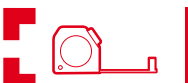
DELA.1257 - Basic flanged squares - Class II



NF E 11-103, DIN 875

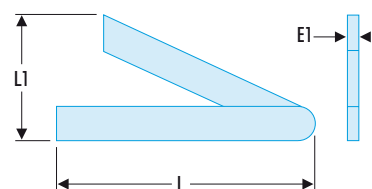
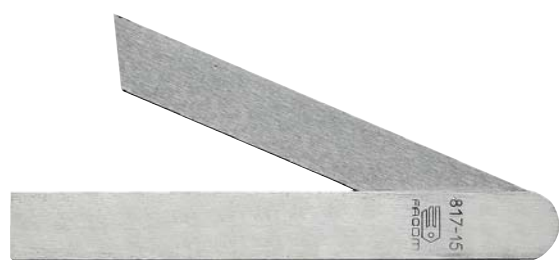
- Screwed flange.
- Perfect bearing of heel and side.

| Ref | E x E1 [mm] | L1 [mm] | L x H [mm] | ΔΔ [kg] |
|---------------------|-------------|---------|------------|---------|
| DELA.1257.02 | 20 x 5 | 20 | 100 x 70 | 0,200 |
| DELA.1257.04 | 20 x 5 | 20 | 150 x 100 | 0,390 |
| DELA.1257.06 | 30 x 7 | 30 | 200 x 130 | 0,715 |
| DELA.1257.07 | 30 x 7 | 30 | 250 x 165 | 0,850 |
| DELA.1257.08 | 40 x 8 | 40 | 300 x 200 | 1,020 |
| DELA.1257.10 | 40 x 7 | 40 | 500 x 330 | 2,600 |



Other squares

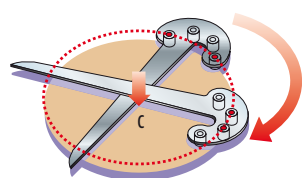
817 - Dummy squares



- Surface and edges in ground steel.

| ➤ | E1 [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------|---------|--------|----------|--------|
| 817.15 | 15 | 150 | 19 - 145 | 350 |
| 817.20 | 15 | 200 | 24 - 195 | 580 |
| 817.25 | 15 | 250 | 24 - 240 | 720 |
| 817.30 | 15 | 300 | 24 - 285 | 810 |

DELA.1290.00 Centering square



- Steel square with 4 symmetrical studs.
 - Allows to determine the center of an arc of circle in two operations.
- Weight: 100 g.

DELA.1272 - Flanged double tab squares

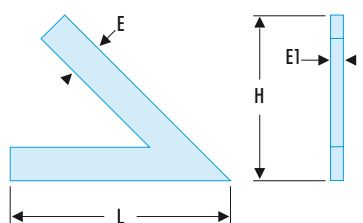


NF E 11-103, DIN 875

- Angles 30°, 45°, 60°, 90°.

| ➤ | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------------|--------|---------|--------|
| DELA.1272.01 | 100 | 78 | 270 |
| DELA.1272.03 | 150 | 105 | 600 |
| DELA.1272.04 | 200 | 142 | 720 |

Flanged square 45°



| ➤ | E x E1 [mm] | L x H [mm] | ΔΔ [g] |
|---------------------|-------------|------------|--------|
| DELA.1292.00 | 26 x 7 | 150 x 150 | 324 |

Bevel protractors















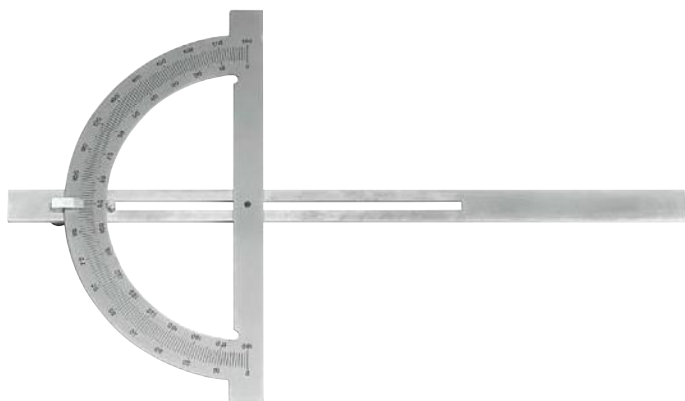







1885.00 Bevel protractor


- Ground stainless steel.
 - Base of the sector divided in mm.
 - Double division reversed from 0 to 180°.
 - Sector Ø: 85 mm.
 - Rule length: 170 mm.
 - Easy reading by an index inside a port.
- Weight: 150 g.

DELA.1880.00 High capacity bevel protractor


- Tempered steel.
 - Graduations in degrees.
 - Empty sector for measuring angles from 10 to 170°.
 - Sector Ø: 200 mm.
 - Rule length: 400 mm.
 - Slide rule, screw locking.
- Weight: 420 g.

DELA.1897.02 Simplified bevel protractor


- Stainless steel model without square.
 - Accuracy: 5 mn arc.
 - Length: 300 mm.
 - Supplied in case (L. x D. x H.): 370 x 145 x 35 mm.
- Weight: 400 g.

813B.S High precision bevel protractor


- Tempered stainless steel bevel protractor.
 - Anti-reflection mat chrome reading surface.
 - Measurement range 0 - 360°.
 - Minimum reading: 5° arc on vernier.
 - Dial diameter: 70 mm.
 - Dimensions (L. x D. x H.): 315 x 75 x 20 mm.
 - Dial pivots with vernier and dial locking screw.
 - 2 End rules cut at 45° and 60°, including:
 - 1 short rule 200 mm x 16 mm.
 - 1 long rule 300 mm x 16 mm.
 - Rule offset by 85 mm x 16 mm.
 - Slide rules locking screw.
 - Magnifying glass.
 - Cast iron base: 70 mm x 30 mm.
 - Supplied in rigid case dimensions (L. x D. x H.): 325 x 125 x 47 mm.
- Weight: 1.466 kg.

Feeler gauges

▣ 804 Round tip metric thickness gauges



- Set of 19 feeler gauges (round tip): 4/100 --> 100/100 mm.
- Blade length: 90 mm.
- Weight: 60 g.

▣ 804.L Long metric thickness gauges



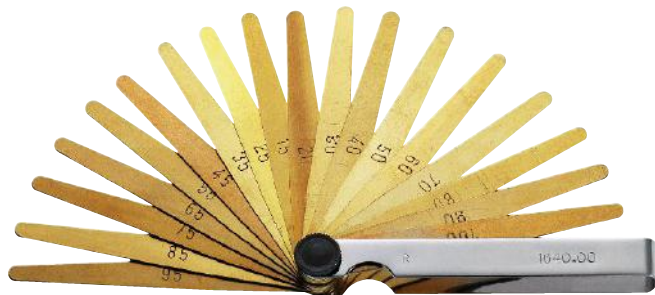
- Set of 19 feeler gauges (round tip): 4/100 --> 25/100 mm.
- Blade length: 150 mm.

▣ 804.P Sharp tip metric thickness gauges



- Set of 19 feeler gauges (tapered tip): 4/100 --> 100/100 mm.
- Blade length: 90 mm.

▣ 804.AM Anti-magnetic metric thickness gauges



- Set of 19 feeler gauges (tapered tip): 10/100 --> 100/100 mm.
- Blade length: 100 mm.
- Brass blades.

804.U Inch thickness gauges



- Set of 26 feeler gauges (tapered tip): 15/10000 --> 250/10000 inches.
- Blade length: 3"1/2 (88.9 mm).

Radius gauges

Radius gauges



- To check the radii of fillets and connections.
- Tempered steel blades.
- 3 models for concave and convex radii 1 to 25 mm.

| Code | A [mm] | Number of Blades | Content set | ΔΔ [g] |
|---------------------|---------------|------------------|---|--------|
| DELA.1786.00 | 1,0 --> 7,0 | 34 | 1,00 - 1,25 - 1,50 - 1,75 - 2,00 - 2,25 - 2,50 - 2,75 - 3,00 - 3,50 - 4,00 - 4,50 - 5,00 - 5,50 - 6,00 - 6,50 - 7,00 | 65 |
| DELA.1787.00 | 7,5 --> 15,0 | 32 | 7,50 - 8,00 - 8,50 - 9,00 - 9,50 - 10,00 - 10,50 - 11,00 - 11,50 - 12,00 - 12,5 - 13,00 - 13,50 - 14,00 - 14,50 - 15,00 | 80 |
| DELA.1790.00 | 15,5 --> 25,0 | 30 | 15,50 - 16,00 - 16,50 - 17,00 - 17,50 - 18,00 - 18,50 - 19,00 - 19,50 - 20,00 - 21,00 - 22,00 - 23,00 - 24,00 - 25,00 | 125 |

Screw pitch gauges

814 - Screw pitch gauges



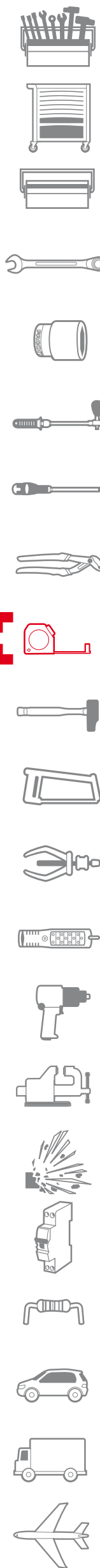
| Code | Number of Blades | Thread Forms | Content set | ΔΔ [g] |
|---------------|-------------------------------|------------------|--|--------|
| 814.M | 60° cutting gauge + 31 blades | Metric thread | 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 90 - 100 - 110 - 120 - 125 - 130 - 140 - 150 - 160 - 170 - 175 - 180 - 190 - 200 - 225 - 250 - 275 - 300 | 53 |
| 814.NI | 60° cutting gauge + 25 blades | I.S.O thread | 0,25 - 0,30 - 0,35 - 0,40 - 0,45 - 0,50 - 0,60 - 0,70 - 0,75 - 0,80 - 1,00 - 1,25 - 1,50 - 1,75 - 2,00 - 2,50 - 3,00 - 3,50 - 4,00 - 4,50 - 5,00 - 5,50 - 6,00 - 6,50 - 7,00 | 35 |
| 814.WH | 55° cutting gauge + 29 blades | Whitworth thread | 4 - 4,5 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16 - 18 - 19 - 20 - 22 - 24 - 25 - 26 - 28 - 30 - 32 - 34 - 36 - 38 - 40 - 48 - 60 | 40 |
| 814.G | 8 blades | Gas thread | Filets intérieurs : 11 - 14 - 19 - 28 Filets extérieurs : 11 - 14 - 19 - 28 | 20 |

Drill bit gauges

DELA.1952.00 Drill bit gauges

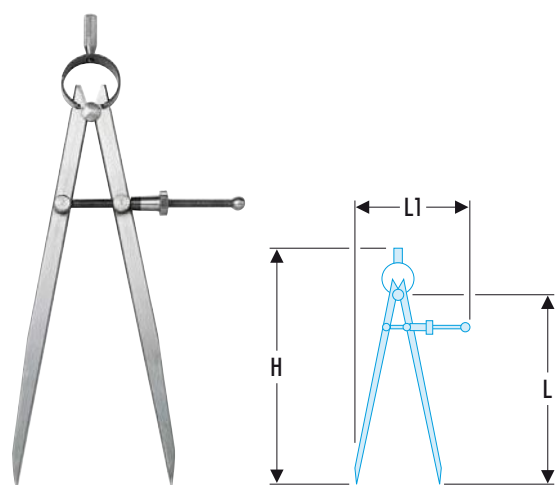


- For 120° drill bit sharpening angle.
 - The drill bit edge dimension is divided into 1/2 mm from 0 to 20.
 - Stainless steel.
- Weight: 50 g.



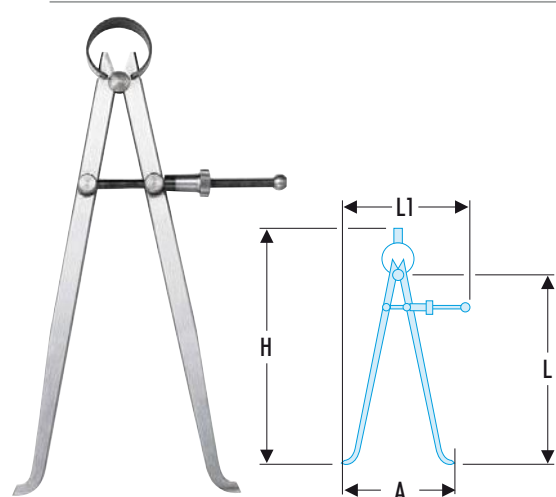
Scriber

DELA.1901 - Dry tip scriber



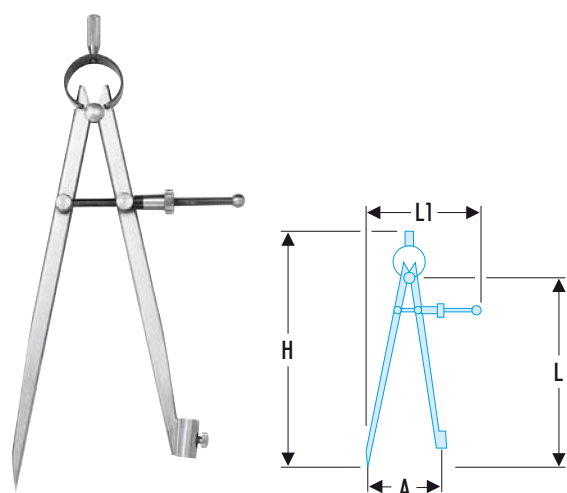
| ➤ | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------------|--------|--------|---------|--------|
| DELA.1901.05 | 195 | 150 | 85 | 90 |
| DELA.1901.07 | 245 | 200 | 100 | 160 |
| DELA.1901.08 | 300 | 250 | 125 | 200 |
| DELA.1901.09 | 350 | 300 | 140 | 240 |

DELA.1902 - Interior scriber



| ➤ | A [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------------|--------|--------|--------|---------|--------|
| DELA.1902.04 | 160 | 170 | 150 | 82 | 80 |
| DELA.1902.06 | 210 | 225 | 200 | 100 | 165 |
| DELA.1902.08 | 315 | 325 | 300 | 125 | 230 |

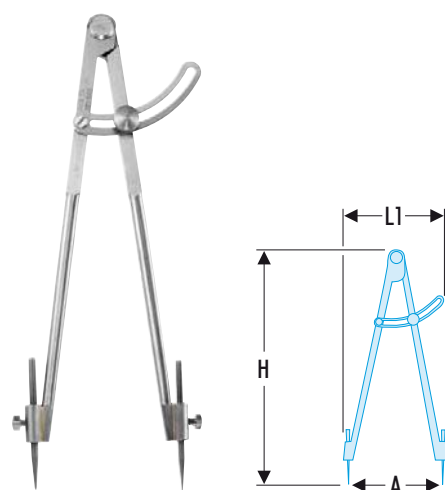
Pen holder scriber



- Pen: Ø 8 mm.

| ➤ | A [mm] | H [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|---------------------|--------|--------|--------|---------|--------|
| DELA.1905.05 | 250 | 300 | 250 | 125 | 210 |

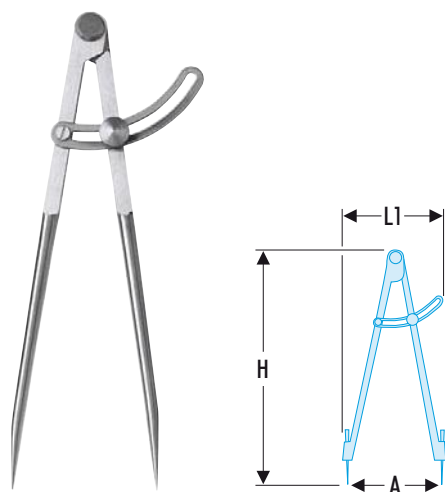
823 - 1/4" circle scriber



- Straight models with very rigid branches in polished steel, tempered tips, interchangeable.
- Tips only: 823.19SE1 - 823.25SE1.

| ➤ | A [mm] | H [mm] | L1 [mm] | ΔΔ [g] |
|---------------|--------|--------|---------|--------|
| 823.19 | 220 | 190 | 70 | 235 |
| 823.25 | 250 | 250 | 94 | 370 |

DELA.1908 - 1/4" tip circle scriber



| Ref | A [mm] | H [mm] | L1 [mm] | ΔΔ [g] |
|--------------|--------|--------|---------|--------|
| DELA.1908.03 | 220 | 190 | 68 | 180 |
| DELA.1908.04 | 250 | 250 | 68 | 190 |

Measuring marking out set

MOD.234 Measuring marking out set



- 257G: automatic centre punch.
 - 234: scribe.
 - 893.316: tape measure 3 m.
 - DELA.1051.05: rule 300 mm.
 - 1885.00: bevel protractor.
 - DELA.1223.02: straight square and tab 300 mm.
 - Thermoformed module PL633.
- Weight: 1.050 kg.

Steel scribers

234 Steel scriber



- Tip treated in chrome vanadium steel.
 - Tip: Ø 4 mm.
 - Length: 190 mm.
- Weight: 20 g.

234.S Interchangeable steel tip scriber



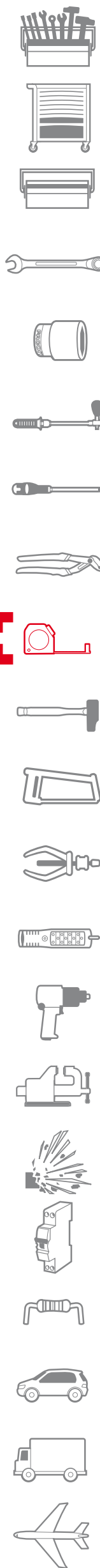
- Tip treated in fast steel.
 - Tips: Ø 4 mm.
 - Body: Ø 8 mm.
 - Length: 260 mm.
- Weight: 58 g.

Set of 2 spare tips: 234.SP2.

DELA.1586.00 Steel scribe - plastic body



- Tip treated in chrome vanadium steel.
 - Tip: Ø 4 mm.
 - Body: Ø 8 mm.
 - Length: 210 mm.
- Weight: 20 g.



DELA.1589.00 Pen type carbide scriber



- Steel hexagonal body with a staple.
- Resharpenable tip:
 - Length: 12 mm.
 - Ø: 2.5 mm.
- Length: 150 mm.
- Weight: 35 g.

233A Retractable carbide scriber



- Body with a staple.
- Double sharpened tip in tungsten carbide.
- Tip: Ø 2 mm.
- Body: Ø 8 mm.
- Length: 145 mm.
- Weight: 16 g.

Set of 5 spare tips: 233.P5.

236 One-piece carbide scriber



- Tungsten carbide offset tip for scribing on tempered parts: Ø 2 mm.
- Octagon-shape body: Ø 12 mm.
- Length: 180 mm.
- Weight: 30 g.

Square tips



- Square blade treated steel tip.
- Protwist ergonomic handle.
- For tapping hole, chamferring, deburring, etc.

| ⇒ | L [mm] | Blade | Handle | ΔΔ [g] |
|----------------|--------|---------|----------|--------|
| AP6X80 | 190 | 6 x 80 | 30 x 110 | 80 |
| AP8X125 | 245 | 8 x 125 | 36 x 125 | 120 |

Letter and digit punches

292A - Set of 26 letter punches and punch



- Letter heights: 3 to 8 mm.
- Carbon steel 60 HRc.
- Supplied in plastic box.

| ⇒ | A [mm] | L [mm] | Cross-section [mm] | Dimension [mm] |
|---------------|--------|--------|--------------------|----------------|
| 292A.3 | 3 | 70 | 8 x 8 | 110 x 40 x 80 |
| 292A.4 | 4 | 70 | 8 x 8 | 110 x 40 x 80 |
| 292A.5 | 5 | 75 | 10 x 10 | 110 x 40 x 80 |
| 292A.6 | 6 | 75 | 10 x 10 | 110 x 40 x 80 |
| 292A.8 | 8 | 83 | 13 x 13 | 145 x 55 x 90 |

293A - Set of 9 digit punches



- Digit heights: 2 to 8 mm.
- Carbon steel 60 HRc.
- Supplied in plastic box.

| Ref | A [mm] | L [mm] | Cross-section [mm] | Dimension [mm] |
|--------|--------|--------|--------------------|----------------|
| 293A.3 | 2 | 70 | 8 x 8 | 40 x 40 x 80 |
| 293A.4 | 4 | 75 | 8 x 8 | 40 x 40 x 80 |
| 293A.5 | 5 | 75 | 10 x 10 | 40 x 40 x 80 |
| 293A.6 | 6 | 75 | 10 x 10 | 40 x 40 x 80 |
| 293A.8 | 8 | 83 | 13 x 13 | 55 x 55 x 90 |

SHORT TAPE MEASURES

Exceptional abrasion wear and corrosion resistance

Blade

- High protection nylon coating.
- Professional-quality blade for all uses, ideal for intensive use.
- Optimum readability. Mat anti-glare finish.

High rigidity

- Up to 2.90m vertically and 2.30 m horizontally without bending for the 25mm wide blade.

Hook

- Tensile strength exceeds 1,000 N (100 Kg).
- Wide, protective hook. Hardened steel.
- Equipped with a stainless steel reinforcing plate.
- Sliding hook for hooking or internal and external measuring.

| Class of accuracy | Length in m / Tolerance in mm | | | | | |
|-------------------|-------------------------------|------|------|------|------|------|
| | 1 m | 2 m | 3 m | 5 m | 8 m | 10 m |
| II | ±0,5 | ±0,7 | ±0,9 | ±1,3 | ±1,3 | ±2,3 |

All FACOM tapes comply with current European standards. Allowable tolerances as the following table:

| SELECTION GUIDE | Stainless steel case 897 nylon-coated blade | ABS case 893 nylon-coated blade | Stainless steel case 800 series varnish-coated blade | ABS case 893 nylon-coated blade. Direct reading |
|-----------------|---|---------------------------------|--|---|
| 2 M | | | | |
| 3 M | | | | |
| 5 M | | | | |
| 8 M | | | | |
| 10 M | | | | |

DIRECT READING: For directly measuring the distance between two faces. 893.316F



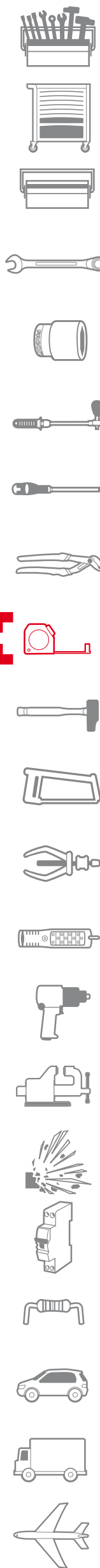
Hardened, concave, carbon steel.



Wide hook.



High contrast, bold figures, differentiated graduations, red "tens" markers.



Stainless series

SERIES 897

PROFESSIONAL QUALITY STAINLESS STEEL AND BI-MATERIAL TAPE MEASURES

Blade lock

- Ergonomic 2-position lock.
- Simple, effortless operation.

Soft coating

- Comfortable, non-slip grip.
- Prevents shocks when dropped.
- Stainless steel case.

Facom hook

- Corner protection to prevent accidental cutting.
- 3 rivets for increased pulling resistance.

Belt clip

- Stainless steel.

Facom blade

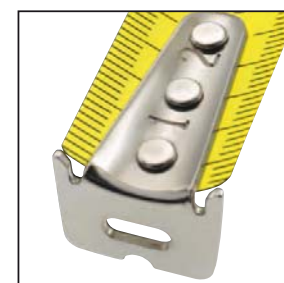
- High performance nylon coating.



Blade lock



Soft coating



Facom hook

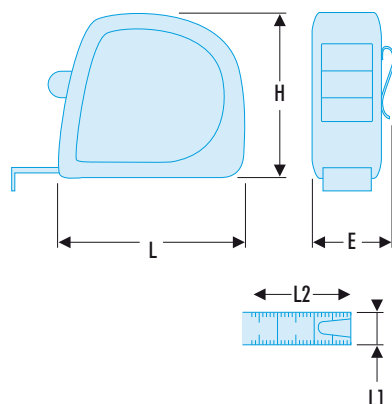


Belt clip



Facom blade

897 - Stainless body tape measure



- Body with stainless reinforcement plate.
- Soft coating withstanding impacts and intense conditions of use.
- Mat anti-reflection nylon tape.
- 3-rivet blade covering with stainless steel reinforcement plate.
- Horizontal and vertical tape rigidity see dimension table.
- Interior measurement by adding the L dimension (see table).
- Stainless belt clip.

| ➡ | E [mm] | H [mm] | L [mm] | L1 [mm] | L2 [m] |
|-----------------|--------|--------|--------|---------|--------|
| 897.216 | 32,0 | 64 | 70 | 16 | 2 |
| 897.319 | 32,0 | 64 | 70 | 19 | 3 |
| 897.525 | 41,0 | 72 | 78 | 25 | 5 |
| 897.825 | 40,5 | 82 | 85 | 25 | 8 |
| 897.1025 | 40,5 | 82 | 90 | 25 | 10 |

ABS series

SERIES 893

COMPACT, RESISTANT AND EASY TO MAINTAIN!

Easily accessible tape lock

- For keeping a measurement, making comparative measurements, marking-out, etc.

Stainless steel belt clip

- For easy carrying.

Wrist strap hole

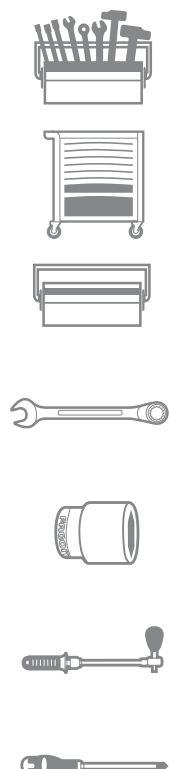
- Avoids dropping the tape, frees the hand. Hole (except 893.316F).

Functional case

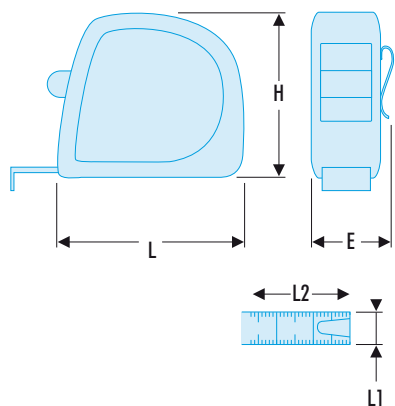
- Base and bearing face at 90°.
- Rounded additional length.



70 mm

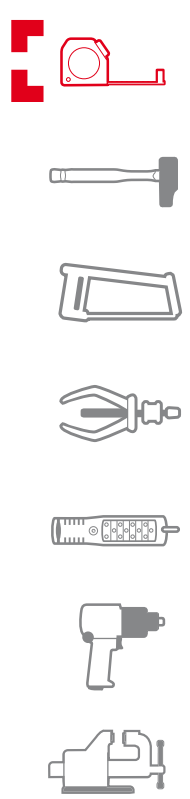


893 - ABS body tape measure

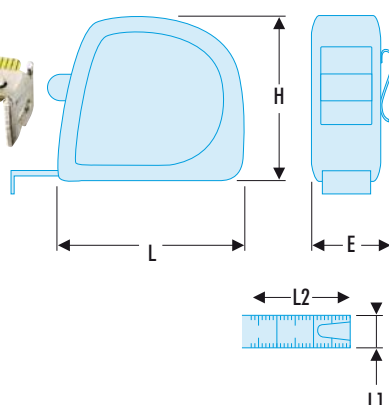


- Ergonomic, ABS material.
- Tape with mat anti-reflection nylon tape.
- High strength tape.
- High strength cover hook:
 - 2 rivets with stainless reinforcement plate on the 2 and 3 m.
 - 3 rivets with stainless reinforcement plate on the 5 and 8 m.
- Interior measurements by adding the L dimension (see table).

| | E [mm] | H [mm] | L [mm] | L1 [mm] | L2 [m] | ΔΔ [g] |
|---------|--------|--------|--------|---------|--------|--------|
| 893.213 | 24,0 | 52,0 | 55 | 13 | 2 | 78 |
| 893.316 | 27,0 | 60,0 | 60 | 16 | 3 | 126 |
| 893.519 | 31,0 | 67,0 | 70 | 19 | 5 | 197 |
| 893.825 | 37,5 | 81,5 | 85 | 25 | 8 | 200 |

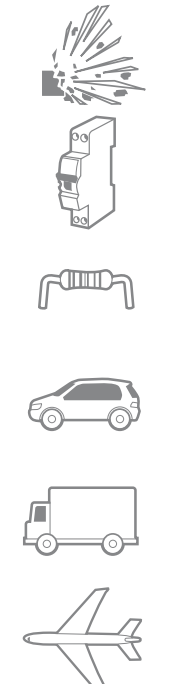


ABS body tape measure - 3 metres with panoramic window



- Ergonomic, ABS material.
- Tape 3 m x 16 mm.
- Anti-reflection nylon tape.
- Tape printed recto and verso, for direct reading in the interior measurement window.
- Cover hook, 2 rivets.
- Stainless reinforcement plate.

| | E [mm] | H [mm] | L [mm] | L1 [mm] | L2 [m] | ΔΔ [g] |
|----------|--------|--------|--------|---------|--------|--------|
| 893.316F | 27 | 60 | 60 | 16 | 121 | 121 |



Short length tape measures

Metal series

800A-801A - Stainless body 2, 3 meter tape measures



- Compact.
- Width: 16 mm.
- Tape with 2 rivets.
- Rigidity up to 1.10 m.

| FACOM | A [mm] | E [mm] | H [mm] | L1 [mm] | L2 [m] | $\Delta\Delta$ [g] |
|-------------|--------|--------|--------|---------|--------|--------------------|
| 800A | 50 | 21,4 | 50 | 16 | 2 | 90 |
| 801A | 60 | 21,4 | 60 | 16 | 3 | 125 |

Export series mm and inch (not for sale in France)

METRIC AND INCH EXPORT TAPE

- Hardened steel blade, concave for stiffness.
- Yellow background, protective coating.
- Identical casing to equivalent metric series.
- Double marking tapes are not for sale in the French territory.



800A-801A.EX - Stainless body tape measure - mm and inches



- Compact.
- Metric and imperial double graduation tape measure (not for sale in France).
- Width: 16 mm.
- Tape with 2 rivets.
- Rigidity up to 1.10 m.

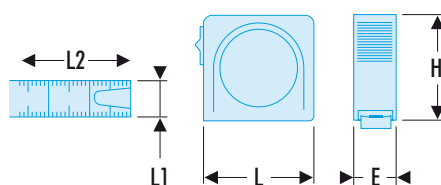
| FACOM | E [mm] | H [mm] | L [mm] | L1 [mm] | L2 ["] | L2 [m] | $\Delta\Delta$ [g] |
|----------------|--------|--------|--------|---------|--------|--------|--------------------|
| 800A.EX | 21,4 | 50 | 50 | 16 | 6 | 2 | 90 |
| 801A.EX | 21,4 | 60 | 60 | 16 | 10 | 3 | 125 |

DELA.EX - ABS body tape measure - mm and inches



- Metric and imperial double graduation tape measure (not for sale in France).

| FACOM | E [mm] | H [mm] | L1 [mm] | L2 ["] | L2 [m] | $\Delta\Delta$ [g] |
|---------------------|--------|--------|---------|--------|--------|--------------------|
| DELA.25.00EX | 33 | 62 | 16 | 6 | 2 | 98 |
| DELA.35.00EX | 33 | 62 | 16 | 10 | 3 | 124 |
| DELA.55.00EX | 44 | 71 | 19 | 16 | 5 | 202 |



LONG TAPE MEASURES

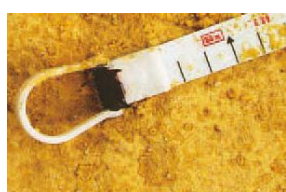
Plastiver tapes are ideal for "outdoor" applications (e.g. building sites...). Stringent inspection procedures ensure that our tapes conform to precision class I, II or III.

STEEL TAPE: Class I and II



Hard-wearing coating
Yellow finish
Corrosion protection
Hardened steel

PLASTIVER TAPE: Class III



32 glass-fibre strands coated with PVC, centimeters marked in black and metres in red for excellent readability.



Tape treated anticorrosion Class I

CORROSION RESISTANT STEEL TAPE



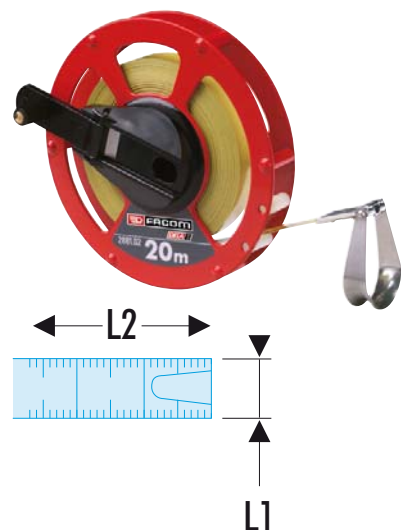
Definition of class I

The particularly exacting tolerances of class I are limited to $\pm 1/10$ millimeter per metre. Class I tapes are supplied complete with a COFRAC calibration certificate. They have the "zero mark" approximately 10 cm after the beginning of the tape.

Calibration certificate

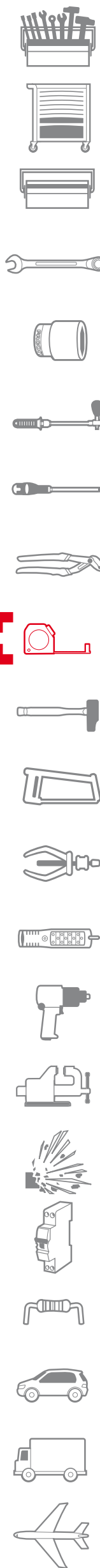
These tapes come with a COFRAC-approved calibration certificate. This certificate is in line with ISO 9000 certification procedures.
- For 10m and 20m tapes, checks are made every metre.
- For 30m and 50m tapes, checks are at 5-metre intervals.

DELA.62881 - Cutout body tape measure

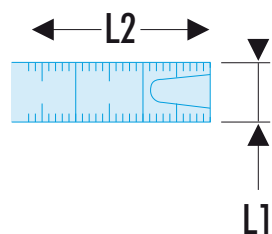


- Tape treated anticorrosion Class I.
- Lacquered steel body with folding crank.
- Tape guide rollers.
- Loop with folding hook.
- "Line" measurement, the zero starts 10 cm after the loop.

| | L1 [mm] | L2 [m] | $\Delta\Delta$ [g] |
|-----------------------|---------|--------|--------------------|
| DELA.62881.01C | 13 | 10 | 369 |
| DELA.62881.02C | 13 | 20 | 604 |



DELA.62883 - Challenger tape measures

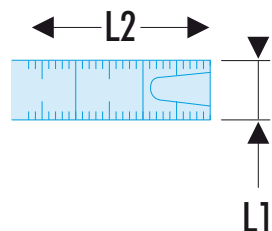


- Tape treated anticorrosion Class I.
- Revolver handle, ergonomic with folding crank.
- Loop with folding hook.
- "Line" measurement, the zero starts 10 cm after the loop.
- Supplied in case dimensions (L. x D. x H.):
325 x 275 x 56 mm.

| DE | L1 [mm] | L2 [m] | $\Delta\Delta$ [g] |
|-----------------------|---------|--------|--------------------|
| DELA.62883.03C | 13 | 30 | 1270 |
| DELA.62883.04C | 13 | 50 | 1720 |

Tape treated anticorrosion Class II

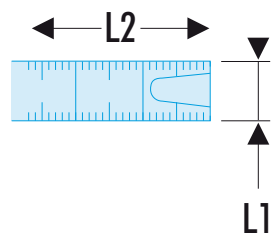
DELA.2881 - Cutout body tape measures



- Tape treated anticorrosion Class II.
- Lacquered steel body with folding crank.
- Tape guide rollers.
- Loop with folding hook.

| DE | L1 [mm] | L2 [m] | $\Delta\Delta$ [g] |
|---------------------|---------|--------|--------------------|
| DELA.2881.01 | 13 | 10 | 369 |
| DELA.2881.02 | 13 | 20 | 604 |
| DELA.2881.03 | 13 | 30 | 874 |

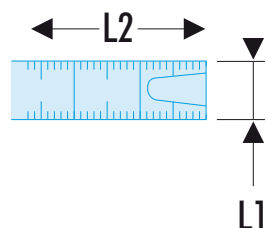
Challenger tape measure 50 m



- Tape treated anticorrosion Class II.
- Revolver handle, ergonomic with folding crank.
- Loop with folding hook.
- Supplied in case dimensions (L. x D. x H.):
325 x 275 x 56 mm.

| DE | L1 [mm] | L2 [m] | $\Delta\Delta$ [g] |
|---------------------|---------|--------|--------------------|
| DELA.2883.04 | 13 | 50 | 1720 |

DELA.2831 - Profile body tape measures

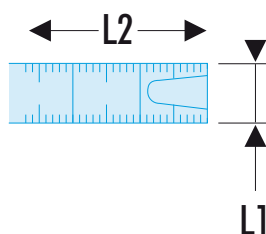


- ABS body with folding crank.
- Tape treated anticorrosion.
- Folding crank.

| DELA | L1 [mm] | L2 [m] | ΔΔ [g] |
|---------------------|---------|--------|--------|
| DELA.2831.01 | 10 | 10 | 175 |
| DELA.2831.03 | 10 | 20 | 339 |
| DELA.2831.05 | 10 | 30 | 493 |

Plastiver tape Class III

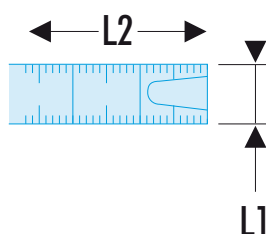
DELA.8947 - Discover closed body tape measures



- Plastiver tape Class III.
- Synthetic closed body with folding crank.
- Recto verso graduation.
- Loop with hook.
- Fast winding.

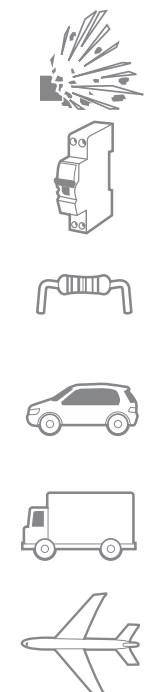
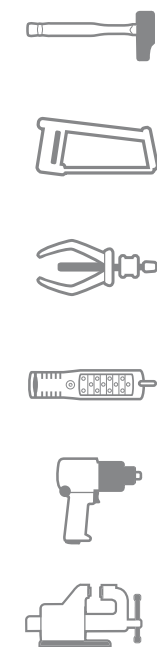
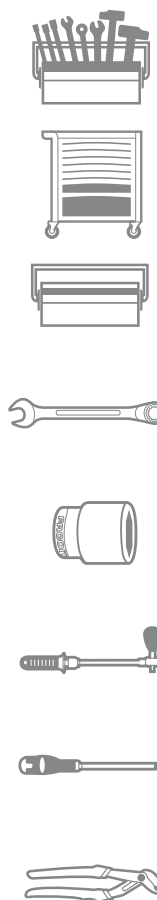
| DELA | L1 [mm] | L2 [m] | ΔΔ [g] |
|---------------------|---------|--------|--------|
| DELA.8947.02 | 15 | 10 | 161 |
| DELA.8947.03 | 15 | 20 | 318 |

Cutout body tape measure 20 m



- Plastiver tape Class III.
- Steel cutout body with folding crank.
- Recto verso graduation.
- Loop with hook.
- Fast winding.

| DELA | L1 [mm] | L2 [m] | ΔΔ [g] |
|---------------------|---------|--------|--------|
| DELA.2882.20 | 15 | 20 | 480 |



Engineers levels

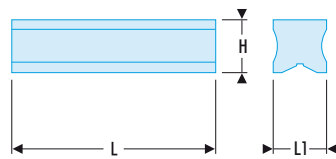
Two-vial level



- Accuracy: 0.4 mm/m.
- Dressed steel with grooves for cylindrical surfaces.
- Adjustable and protected longitudinal vial.

| ➤ | L [mm] | $\Delta\Delta$ [g] |
|---------------------|--------|--------------------|
| DELA.3151.01 | 200 | 400 |

3067 - High accuracy straight levels

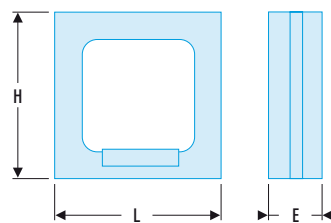


DIN 877

- Stabilised cast iron levels.
- Accuracy: 0.04 mm/m.
- Sides with anti-slip insulating pads.
- Vials protected by colourless plexiglas.
- Prismatic base with 140° Vee.
- Liquid: ether.
- supplied in wood case with compliance certificate.

| ➤ | H [mm] | L [mm] | L1 [mm] | $\Delta\Delta$ [kg] |
|-----------------|--------|--------|---------|---------------------|
| 3067.200 | 42,5 | 200 | 40 | 1,620 |
| 3067.300 | 47,0 | 300 | 50 | 2,580 |

Cross-test level



DIN 877

- Stabilised cast iron level.
- Accuracy: 0.04 mm/m.
- Sides with anti-slip insulating pads.
- Vials protected by colourless plexiglas.
- Prismatic base with 140° Vee.
- Liquid: ether.
- Supplied in wood case with compliance certificate.

| ➤ | E [mm] | H [mm] | L [mm] | $\Delta\Delta$ [kg] |
|-----------------|--------|--------|--------|---------------------|
| 3071.200 | 42,5 | 200 | 200 | 4,300 |

DELA.3180 - Round laid levels



- Spherical vial levels.
- Checking horizontal surfaces along two axes.
- Nickel-plated brass.

| ➤ | d [mm] | $\Delta\Delta$ [g] |
|---------------------|--------|--------------------|
| DELA.3180.02 | 25 | 12 |
| DELA.3180.03 | 30 | 20 |
| DELA.3180.05 | 50 | 80 |

Builders levels

LEVELS

**EASY-TO-USE,
PROFESSIONAL
GRADE TOOLS!**

Accuracy

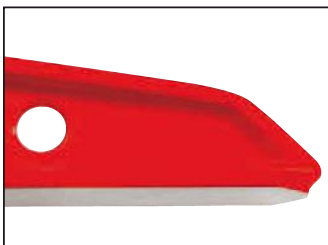
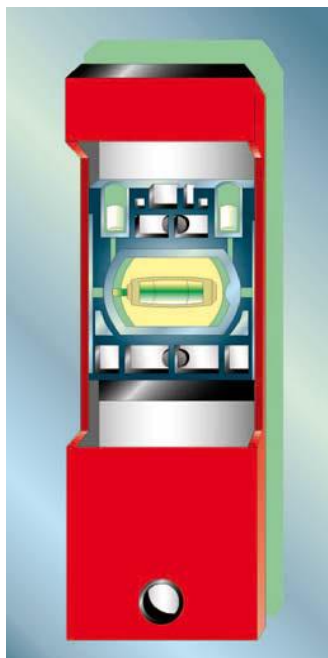
- The accuracy of a level is defined by 2 elements:
 - The quality of machining of the flat faces,
 - The quality and positioning of the vial.
- Vial integral with the body of the level.

Readability

- Vial machined from a solid acrylic block:
 - Anti-reflective.
 - Anti-parallax.
- Does not become clouded over time.
- High impact resistance.

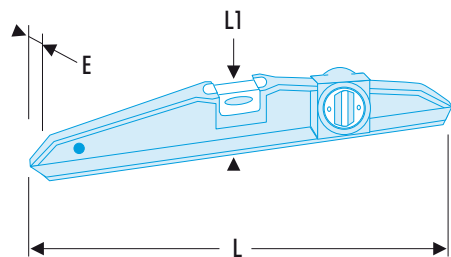
Durability

- Unbreakable synthetic caps.
- Impact-protection system providing maximum protection to the face.
- Rigid.
- Leak proof and highly impact-resistant acrylic glass.



Trapezoidal levels

307BM - Magnetic trapezoidal levels



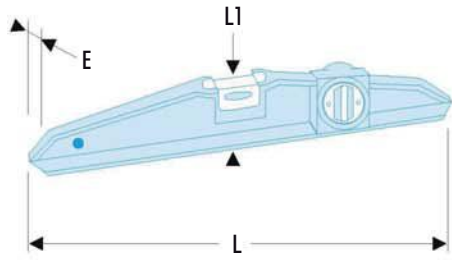
DIN 877

- In reverse position, accuracy 0.75 mm/m.
- Massive light alloy body, pressure moulded.
- Electrostatic powder protective coating.

| | E [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|---------|--------|
| 307BM.25 | 22 | 250 | 45 | 200 |
| 307BM.40 | 23 | 400 | 50 | 420 |
| 307BM.60 | 23 | 600 | 50 | 680 |



307B - Standard trapezoidal levels



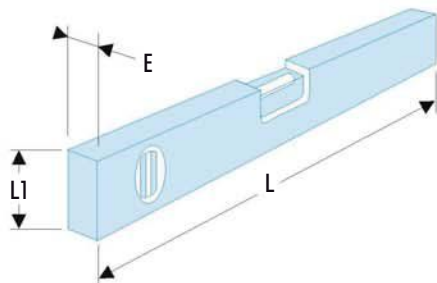
DIN 877

- In reverse position, accuracy 0.75 mm/m.
- Massive light alloy body, pressure moulded.
- Electrostatic powder protective coating.

| ➤ | E [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|---------|--------|
| 307B.25 | 22 | 250 | 45 | 200 |
| 307B.40 | 23 | 400 | 50 | 420 |
| 307B.60 | 23 | 600 | 50 | 680 |

Tubular-section levels

320B - Standard levels, 1 machined sole plate

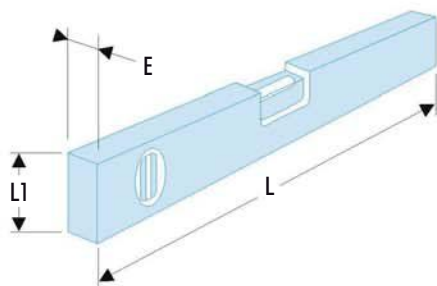


DIN 877

- In reverse position, accuracy 0.75 mm/m.
- Light alloy body, drawn.
- Electrostatic powder coating.
- Vertical vial and horizontal vial.

| ➤ | E [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|----------------|--------|--------|---------|--------|
| 320B.40 | 21 | 400 | 50 | 300 |
| 320B.60 | 21 | 600 | 50 | 480 |

309BM - Magnetic levels

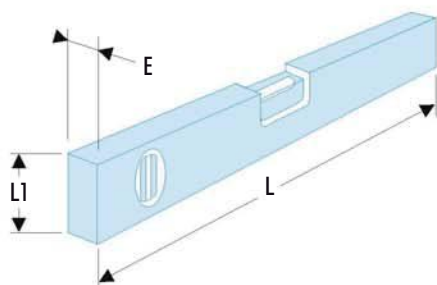


DIN 877

- In reverse position, accuracy 1 mm/m.
- Light alloy body, drawn.
- Smooth anodized surfaces (easy cleaning).
- Vertical vial and horizontal vial.

| ➤ | E [mm] | L [mm] | L1 [mm] | ΔΔ [g] |
|-----------------|--------|--------|---------|--------|
| 309BM.40 | 21 | 400 | 50 | 300 |
| 309BM.60 | 21 | 600 | 50 | 500 |

311B - Magnetic levels, 1 machined sole plate



DIN 877

- In reverse position, accuracy 0.5 mm/m.
- Fitted with a vertical vial, horizontal vial, and a declivity vial.

| ➤ | E [mm] | L [mm] | L1 [mm] |
|----------------|--------|--------|---------|
| 311B.60 | 25 | 600 | 54 |
| 311B.80 | 25 | 800 | 54 |

Duralumin folding rules

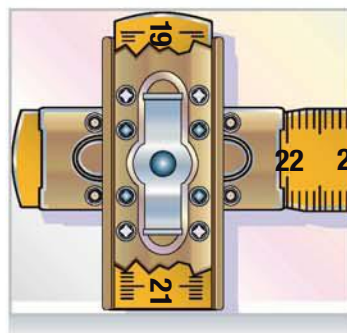
FOLDING RULES

FOLDING RULES ARE THE BUILDER'S TRADITIONAL MEASURING TOOL!

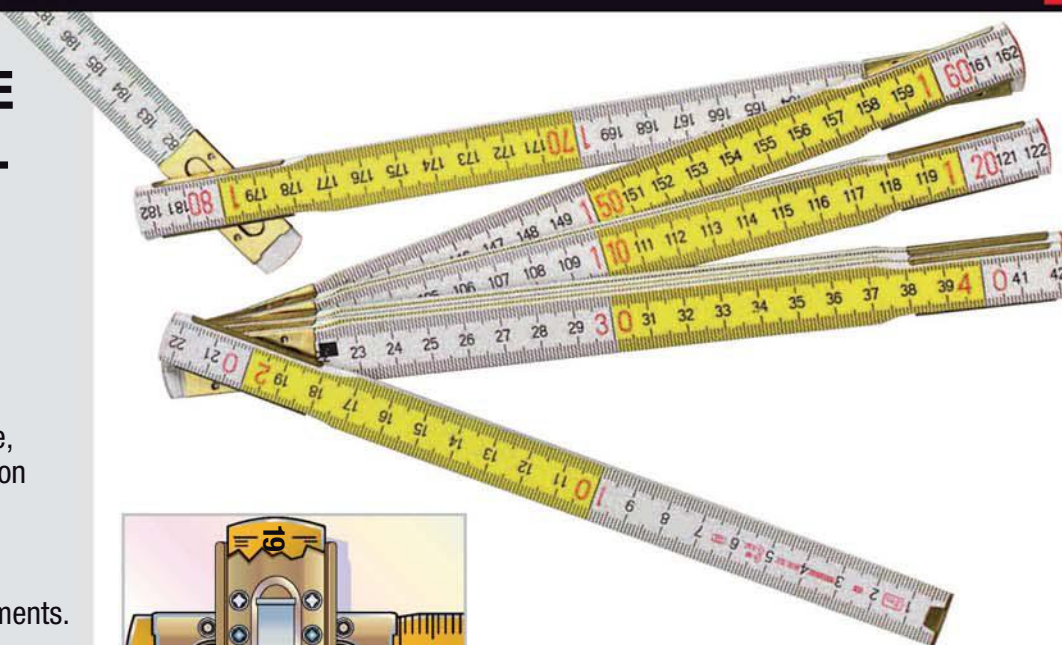
The FACOM DELA range features 4 models:

- 2 duralumin, 1 wooden and 1 synthetic rule, complying with the requirements of precision class III.
- The blades are locked into position either by brass springs or by embossed notches.
- Typical specifications for measuring instruments.

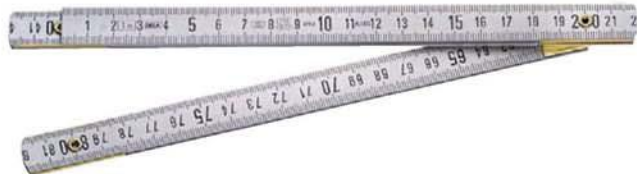
| Precision tolerances | | |
|----------------------|------------|------------|
| Length | 1 m | 2 m |
| Class III | +/- 1.0 mm | +/- 1.4 mm |



Springs are located within the trim inlaid in the wood, preventing expansion of the joints in damp conditions.



DELA.625.00 Duralumin blade rules Class III 1 meter - 5 branches



- Deep chemical engraving.
- Recto verso marking in mm.
- Brass springs.
- Satin surface.
- Width: 15 mm.
- Weight: 92 g.

DELA.626.00 Duralumin blade rules Class III 2 meters - 10 branches



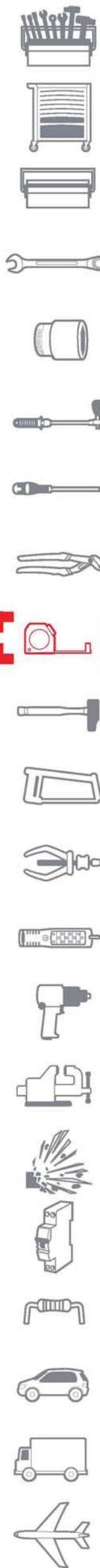
- Deep chemical engraving.
- Recto verso marking in mm.
- Brass springs.
- Satin surface.
- Width: 15 mm.
- Weight: 162 g.

Synthetic folding rule

DELA.401.00 Synthetic blade rule Class III 2 meters - 10 branches



- Recto verso graduation on the 2 edges in mm.
- Clicked branches 90° or 180°.
- Washable.
- Width: 16 mm.
- Weight: 105 g.



Squares

DELA.1223 - Stainless steel joiners squares



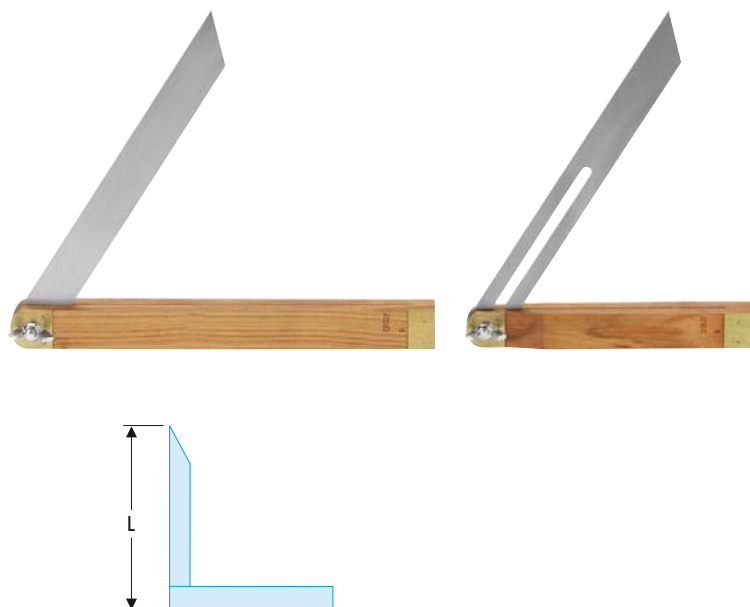
NF E 73-205

- Stainless steel blade divided in recto-verso protected by a sleeve.
- Anti-reflection.
- Deep engravings.
- Anodised aluminium heel.

| ➤ | L x H [mm] | ΔΔ [g] |
|---------------------|------------|--------|
| DELA.1223.01 | 200 x 120 | 160 |
| DELA.1223.02 | 250 x 140 | 200 |
| DELA.1223.03 | 300 x 170 | 240 |
| DELA.1223.04 | 400 x 200 | 300 |

False squares

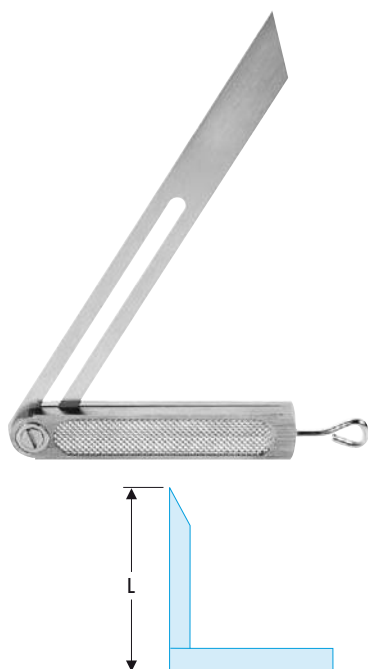
DELA.1207-1208 - Dummy squares and dummy sliding squares



- Wood heel, steel blade, brass lining.
- 1207: dummy square
- 1208: sliding dummy square

| ➤ | L [mm] | ΔΔ [g] |
|---------------------|--------|--------|
| DELA.1207.02 | 250 | 150 |
| DELA.1207.03 | 300 | 180 |
| DELA.1208.02 | 250 | 120 |
| DELA.1208.03 | 300 | 140 |

DELA.1276 - Metal dummy sliding squares



- Cast metal heel.
- Steel blade.
- Blade locking by heel tip screw.

| ➤ | L [mm] | ΔΔ [g] |
|---------------------|--------|--------|
| DELA.1276.02 | 250 | 260 |
| DELA.1276.03 | 300 | 270 |

Plumb-bob

DELA.3224.00 Plumb-bob



- Engineers plumb-bob.
- Diameter: 16 mm.
- Supplied with 4 m Ø 2 mm line.
- Weight: 125 g.



Chalk line reels

DELA.13299 - Profile chalk line reels



- Ergonomic alu body, anti-wear wire guide.
- Fast winding.
- Polycotton line Ø 1mm with hook.

Spare line 100 m: DELA.3226.01.CORD.

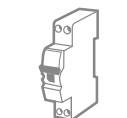
| Icon | L [m] | ΔΔ [g] |
|------|-------|--------|
| | 15 | 250 |
| | 30 | 265 |

DELA.13298 - Chalk line reels, plum-bob



- Metal container with chalk line locking by folding the crank.
- Chalk line reel: Ø 1.5 mm.

| Icon | L [m] | ΔΔ [g] |
|------|-------|--------|
| | 15 | 240 |
| | 30 | 250 |



▣ DELA.3400.00 Grodel chalk line reel



- Builders carcass and public works.
- High strength synthetic body with folding crank.
- High capacity container.
- Chalk line reel: Ø 3 mm.
- Length: 30 m.
- Weight: 500 g.

Chalk line powder

▣ Blue talcum powder



| ➤ | ΔΔ [g] |
|---------------------|--------|
| DELA.3402.00 | 100 |
| DELA.3404.00 | 360 |

Chalk sticks

▣ DELA.3310.00 Natural "Briançon" chalk sticks



- Natural cut greasy chalk for marking on metal.
- Cross-section: 10 x 10 mm.
- Length: 100 mm.
- Colour: white.
- Box of 50 units.
- Weight: 1.300 kg.

Sounding leads

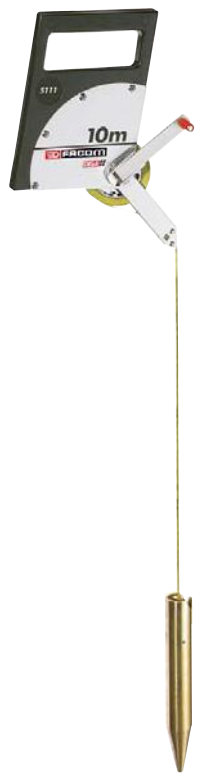
▣ DELA.5111 - Sounding leads with yellow steel tape



- Anti-corrosion treated steel tape, yellow lacquered.
- Gauges with grounding.
- Suited specifically to explosive environments.
- Grounding prevents electric discharge.
- Weight of 900 g fastened by an anti-twist ball joint.
- Supplied in case dimensions (L. x D. x H.):
325 x 278 x 53 mm.

| ➤ | l [mm] | L [m] | ΔΔ [kg] |
|---------------------|--------|-------|---------|
| DELA.5111.20 | 13 | 20 | 2,300 |
| DELA.5111.30 | 13 | 30 | 2,500 |

5112 - Sounding leads with black steel tape



- Black engraved tape, gloss divisions and digits.
- Gauges with grounding.
- Designed specifically for corrosive and chemical environments.
- Anti-corrosion treatment.
- Weight of 900 g fastened by an anti-twist ball joint.
- Supplied in case dimensions (L. x D. x H.): 325 x 278 x 53 mm.

| ➤ | L [mm] | l [mm] | ΔΔ [kg] |
|----------------|--------|--------|---------|
| 5112.20 | 20 | 13 | 2,400 |
| 5112.30 | 30 | 13 | 2,750 |

Spare parts for sounding leads

5116 - Yellow lacquered steel tapes fitted with weights



| ➤ | L [mm] | l [mm] | ΔΔ [kg] |
|-----------------|--------|--------|---------|
| 5116.20A | 20 | 13 | 1,255 |
| 5116.30A | 30 | 13 | 1,400 |

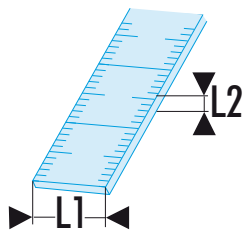
5117 - Black engraved steel tapes fitted with weights



| ➤ | L [mm] | l [mm] | ΔΔ [kg] |
|-----------------|--------|--------|---------|
| 5117.20A | 20 | 13 | 1,255 |
| 5117.30A | 30 | 13 | 1,400 |

Sounding line gauges

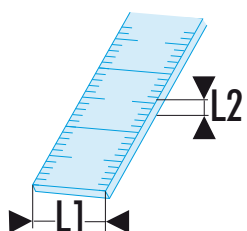
DELA.5300 - Full sounding line gauges - 0 down



- Rule in AU4G.
- Graduation in mm.
- Cross-section of the base: 15 x 25 x 15 mm.

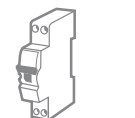
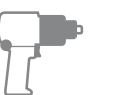
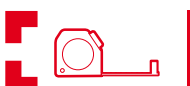
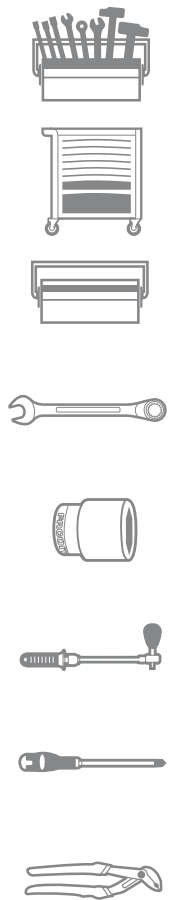
| ➤ | L [mm] | L1 x L2 [mm] | ΔΔ [kg] |
|---------------------|--------|--------------|---------|
| DELA.5300.03 | 2000 | 21,5 x 1,2 | 0,750 |
| DELA.5300.05 | 3000 | 21,5 x 1,2 | 1,000 |
| DELA.5300.06 | 3500 | 21,5 x 1,2 | 1,160 |

Full sounding line gauges



- Rule AU4G.
- Cross-section of base 20 x 40 x 20 mm.
- Graduation in mm.
- Length 4 m.
- Cross-section 33.4 x 1.2 mm.

| ➤ | L [mm] | L1 x L2 [mm] | ΔΔ [kg] |
|---------------------|--------|--------------|---------|
| DELA.5301.03 | 4000 | 33,4 x 1,2 | 3,400 |



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