## DIGITAL METROLOGY

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<table>
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<th>Item</th>
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## MARKING-OUT

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**Digital metrology**

**Calipers**

### 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

<table>
<thead>
<tr>
<th>Rule length (mm)</th>
<th>Height of lower jaw a1 (mm)</th>
<th>Height of upper jaw a2 (mm)</th>
<th>Total thickness for inside measurement a1 (mm)</th>
<th>Extent of depth gauge a1 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>40</td>
<td>8</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>200</td>
<td>60</td>
<td>8</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>250</td>
<td>75</td>
<td>10</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>300</td>
<td>90</td>
<td>10</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>

- Accuracy

<table>
<thead>
<tr>
<th>Rule length (mm)</th>
<th>Limit of error in µm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Accuracy</td>
</tr>
<tr>
<td></td>
<td>0.1 / 1/100º</td>
</tr>
<tr>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>200</td>
<td>50</td>
</tr>
<tr>
<td>300</td>
<td>50</td>
</tr>
</tbody>
</table>

- 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.

<table>
<thead>
<tr>
<th>Measurement range (mm)</th>
<th>Bias error (µm)</th>
<th>Parallelism tolerance</th>
<th>Frame bending tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Applied force = 10N</td>
<td>Applied force = 10N</td>
</tr>
<tr>
<td>0-25</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>25-50</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>50-75</td>
<td>5</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>75-100</td>
<td>5</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 875 - Engineers square.
- Accuracy class.
- Perpendicularity tolerance of 2 surfaces.
- Flatness of edges.
- Legal markings.

**Perpendicularity tolerance (µm)**

<table>
<thead>
<tr>
<th>Dim. (L) mm</th>
<th>Accuracy class</th>
<th>Flatness tolerance (µm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 1 2</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>7 14 28</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>7 15 30</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>8 18 35</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>9 20 40</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>10 23 45</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>11 25 50</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>15 35 70</td>
<td></td>
</tr>
</tbody>
</table>

### DIN 878 Dial gauges to 1/100 mm.
- Dimensional standard.
- Definition of accuracy.
- Measuring force - between 0.3 N and 1.5 N.

### DIN 872 - Vernier depth gauges.
- Measurement range
- Flatness of edges.
- Legal markings.
**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.

### 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.

<table>
<thead>
<tr>
<th></th>
<th>C [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>Capacity Cubic [mm]</th>
<th>Bias error [μm]</th>
<th>g</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300</td>
<td>40</td>
<td>233</td>
<td>16</td>
<td>10</td>
<td>150</td>
<td>20</td>
<td>465</td>
</tr>
<tr>
<td>1320</td>
<td>50</td>
<td>290</td>
<td>20</td>
<td>14</td>
<td>200</td>
<td>30</td>
<td>400</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>Capacity Cubic [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300E</td>
<td>235</td>
<td>150</td>
</tr>
</tbody>
</table>
Digital metrology

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.

<table>
<thead>
<tr>
<th>1350</th>
<th>E [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>Capacity [Cubic mm]</th>
<th>Bias error [μm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>372</td>
<td>150</td>
<td>10</td>
<td>300</td>
<td>20</td>
<td>928</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>1355A</th>
<th>Capacity Cubic [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 25</td>
<td>270</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>1365</th>
<th>Capacity Cubic [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 12.5</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>
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

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.

■ 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.

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>C [mm]</th>
<th>E [mm]</th>
<th>L [mm]</th>
<th>Bias error [μm]</th>
<th>Accuracy [mm]</th>
<th>ΔΔ [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>805.1</td>
<td>150</td>
<td>40</td>
<td>16</td>
<td>228</td>
<td>20</td>
<td>0.02</td>
<td>290</td>
</tr>
<tr>
<td>805.2</td>
<td>200</td>
<td>50</td>
<td>17</td>
<td>280</td>
<td>30</td>
<td>0.02</td>
<td>419</td>
</tr>
</tbody>
</table>
**Mechanical metrology**

**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.

<table>
<thead>
<tr>
<th>A [mm]</th>
<th>C [mm]</th>
<th>E [mm]</th>
<th>L [mm]</th>
<th>Bias error [µm]</th>
<th>Accuracy [mm]</th>
<th>[g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>805.M</td>
<td>200</td>
<td>60</td>
<td>17</td>
<td>290</td>
<td>30</td>
<td>0.02</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>A [mm]</th>
<th>C [mm]</th>
<th>E [mm]</th>
<th>L [mm]</th>
<th>Bias error [µm]</th>
<th>Accuracy [mm]</th>
<th>[g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>805.S</td>
<td>300</td>
<td>100</td>
<td>20</td>
<td>418</td>
<td>30</td>
<td>0.02</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>A [mm]</th>
<th>C [mm]</th>
<th>E [mm]</th>
<th>L [mm]</th>
<th>Bias error [µm]</th>
<th>Accuracy [mm]</th>
<th>[g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>816</td>
<td>150</td>
<td>40</td>
<td>16</td>
<td>228</td>
<td>50</td>
<td>0.05</td>
</tr>
</tbody>
</table>
Mechanical metrology

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

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

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔW [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.5360.01</td>
<td>500</td>
<td>21.5 x 1.2</td>
<td>1.000</td>
</tr>
<tr>
<td>DELA.5360.06</td>
<td>1000</td>
<td>21.5 x 1.2</td>
<td>1.200</td>
</tr>
<tr>
<td>DELA.5360.07</td>
<td>1500</td>
<td>21.5 x 1.2</td>
<td>1.240</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>E [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>Bias error [μm]</th>
<th>Accuracy [mm]</th>
<th>ΔA [μm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>811B</td>
<td>160</td>
<td>10</td>
<td>240</td>
<td>160</td>
<td>100</td>
<td>0.02</td>
<td>465</td>
</tr>
<tr>
<td>811C.250</td>
<td>250</td>
<td>10</td>
<td>330</td>
<td>250</td>
<td>100</td>
<td>0.02</td>
<td>491</td>
</tr>
</tbody>
</table>

**Mechanical micrometers**

**806 - Micrometers 1/100th mm accuracy**

**NF EN ISO 3611, ISO 3611, DIN 863**

- Accuracy: 1/100th - 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 shims wrench from model 806C.50.
- Calibration shims:
  - 806C.50: 25 mm ± 1.5 μm.
  - 806C.75: 50 mm ± 2 μm.
  - 806C.100: 75 mm ± 2.5 μm.
- Supplied in plastic case.
- Supplied with compliance certificate.

<table>
<thead>
<tr>
<th></th>
<th>Measuring Range [mm]</th>
<th>Bias error [μm]</th>
<th>Flatness of measuring surfaces/Max.</th>
<th>Parallelism of measuring faces</th>
</tr>
</thead>
<tbody>
<tr>
<td>806C.25</td>
<td>0 - 25</td>
<td>4</td>
<td>0.4</td>
<td>2</td>
</tr>
<tr>
<td>806C.50</td>
<td>25 - 50</td>
<td>4</td>
<td>0.4</td>
<td>2</td>
</tr>
<tr>
<td>806C.75</td>
<td>50 - 75</td>
<td>5</td>
<td>0.4</td>
<td>3</td>
</tr>
<tr>
<td>806C.100</td>
<td>75 - 100</td>
<td>5</td>
<td>0.4</td>
<td>3</td>
</tr>
</tbody>
</table>
**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.

**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.

<table>
<thead>
<tr>
<th>Capacity [mm]</th>
<th>Bias error [μm]</th>
<th>Flatness of measuring surfaces/Max.</th>
<th>Parallelism of measuring faces</th>
</tr>
</thead>
<tbody>
<tr>
<td>806.F</td>
<td>0 - 25</td>
<td>4</td>
<td>0.4</td>
</tr>
</tbody>
</table>
Mechanical metrology

Metrology sets

MOD.MET Metrology module

- 805.1 mechanical caliper capacity 1/50 mm.
- 806.F: palmer 1/100 mm capacity 25 mm.
- 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).
- 806.C50: 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 metrology

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: ± 26μm.
- Reliability error: ± 12μm.
- Stainless steel rule - mat anti-reflection finish:
  - Width: 25 mm.
  - Hardness 40 HRC minimum.
- Maximum measurement capacity: 300 mm.
- Steel alloy scribe:
  - 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 Ø 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: Ø 10 mm.
- Weight: 1.745 kg.

Surface plates and V-block

**1200** - Cast iron surface plates

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>ΔD (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200.30</td>
<td>300 x 200</td>
</tr>
<tr>
<td>1200.40</td>
<td>400 x 250</td>
</tr>
<tr>
<td>1200.50</td>
<td>500 x 300</td>
</tr>
<tr>
<td>1200.60</td>
<td>600 x 400</td>
</tr>
</tbody>
</table>

**1202.00** - Pair of steel V-blocks - 20 microns

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>ΔD (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1202</td>
<td>30 x 40 x 50 x 60</td>
</tr>
<tr>
<td>1202.00</td>
<td>20 x 30 x 40 x 50</td>
</tr>
</tbody>
</table>
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.

• Harmonisation of the regulations for the 25 Member States.
• Entry into force in France on 30 October 2006.
• Gradual implementation as pattern approvals expire.
• N6: Only measurements > 500 mm are considered in legal metrology (OIML 35). No pattern and regulatory marking approvals are required for measurements> 500 mm.
Rules

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.61058.10C</td>
<td>1000</td>
<td>30 x 1</td>
<td>191</td>
</tr>
</tbody>
</table>

Engineers rules

- **Non graduated solid stainless steel rule**
  - NF E 11-105, DIN 847
    - Class I, flatness: 4 + L/60 μm (L being the length in mm).
    - Stainless steel.
    - Supplied in wood case.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>ΔL [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>809.IN500</td>
<td>500</td>
<td>2.900</td>
</tr>
</tbody>
</table>

- **Graduated solid stainless steel rule**
  - NF E 11-105, DIN 874
    - Class I, flatness: 4 + L/60 μm (L being the length in mm).
    - With offset zero graduation.
    - Supplied in wood case.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>ΔL [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>809.ING500</td>
<td>500</td>
<td>2.900</td>
</tr>
</tbody>
</table>

- **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.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>Flatness of measuring surfaces/Max.</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>809.75</td>
<td>75</td>
<td>2</td>
<td>80</td>
</tr>
<tr>
<td>809.100</td>
<td>100</td>
<td>2</td>
<td>125</td>
</tr>
<tr>
<td>809.150</td>
<td>150</td>
<td>3</td>
<td>200</td>
</tr>
<tr>
<td>809.200</td>
<td>200</td>
<td>3</td>
<td>280</td>
</tr>
</tbody>
</table>
Rules

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.

<table>
<thead>
<tr>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>803.200M</td>
<td>200</td>
<td>13 x 0,4</td>
</tr>
<tr>
<td>803.300M</td>
<td>300</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>803.500M</td>
<td>500</td>
<td>20 x 0,5</td>
</tr>
<tr>
<td>803.1000M</td>
<td>1000</td>
<td>25 x 0,5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1051.02</td>
<td>150</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1051.03</td>
<td>200</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1051.04</td>
<td>250</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1051.05</td>
<td>300</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1051.06</td>
<td>500</td>
<td>20 x 0,5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1021.02</td>
<td>150</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.03</td>
<td>200</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.05</td>
<td>300</td>
<td>13 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.06</td>
<td>500</td>
<td>20 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.07</td>
<td>1000</td>
<td>25 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.08</td>
<td>1500</td>
<td>25 x 0,5</td>
</tr>
<tr>
<td>DELA.1021.09</td>
<td>2000</td>
<td>25 x 0,5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>803.SR300</td>
<td>300</td>
<td>30 x 1</td>
</tr>
<tr>
<td>803.SR500</td>
<td>500</td>
<td>30 x 1</td>
</tr>
<tr>
<td>803.SR1000</td>
<td>1000</td>
<td>30 x 1</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>Δm [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1056.01</td>
<td>300</td>
<td>30 x 0,8</td>
<td>60</td>
</tr>
<tr>
<td>DELA.1056.02</td>
<td>500</td>
<td>30 x 0,8</td>
<td>100</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1056.03</td>
<td>1000</td>
<td>30 x 0,8</td>
</tr>
<tr>
<td>DELA.1056.04</td>
<td>1500</td>
<td>30 x 0,8</td>
</tr>
<tr>
<td>DELA.1056.05</td>
<td>2000</td>
<td>30 x 0,8</td>
</tr>
<tr>
<td>DELA.1056.06</td>
<td>3000</td>
<td>30 x 1,0</td>
</tr>
<tr>
<td>DELA.1056.07</td>
<td>4000</td>
<td>30 x 1,0</td>
</tr>
<tr>
<td>DELA.1056.08</td>
<td>5000</td>
<td>30 x 1,0</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>Δm [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1061.01</td>
<td>300</td>
<td>30 x 1,2</td>
<td>33</td>
</tr>
<tr>
<td>DELA.1061.02</td>
<td>500</td>
<td>30 x 1,2</td>
<td>53</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>Δm [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1061.03</td>
<td>1000</td>
<td>30 x 1,2</td>
<td>110</td>
</tr>
<tr>
<td>DELA.1061.04</td>
<td>1500</td>
<td>30 x 1,2</td>
<td>150</td>
</tr>
<tr>
<td>DELA.1061.05</td>
<td>2000</td>
<td>30 x 1,2</td>
<td>200</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1052.02</td>
<td>200</td>
<td>13 x 0.5</td>
<td>12</td>
</tr>
<tr>
<td>DELA.1052.03</td>
<td>300</td>
<td>13 x 0.5</td>
<td>17</td>
</tr>
<tr>
<td>DELA.1052.04</td>
<td>500</td>
<td>20 x 0.8</td>
<td>44</td>
</tr>
</tbody>
</table>

Precision squares

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

**NF E 11-103, DIN 875**

- Accuracy: ± 5 + h/50 μm (h being height in mm).
- Stainless steel.
- Ground exterior edges and flat surfaces.

<table>
<thead>
<tr>
<th></th>
<th>E x E1 [mm]</th>
<th>L x H [mm]</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>818.75CLO</td>
<td>15 x 5</td>
<td>75 x 50</td>
<td>0.140</td>
</tr>
<tr>
<td>818.100CLO</td>
<td>20 x 5</td>
<td>100 x 70</td>
<td>0.220</td>
</tr>
<tr>
<td>818.150CLO</td>
<td>27 x 6</td>
<td>150 x 100</td>
<td>0.455</td>
</tr>
<tr>
<td>818.200CLO</td>
<td>31 x 7</td>
<td>200 x 130</td>
<td>0.760</td>
</tr>
<tr>
<td>818.300CLO</td>
<td>39 x 8</td>
<td>300 x 200</td>
<td>1.765</td>
</tr>
</tbody>
</table>

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

**NF E 11-103, DIN 875**

- Accuracy: ± 5 + h/50 μm (h being height in mm).
- Stainless steel.
- Ground exterior edges and flat surfaces.

<table>
<thead>
<tr>
<th></th>
<th>E x E1 [mm]</th>
<th>L x H [mm]</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>819.75CLO</td>
<td>15 x 5</td>
<td>15 x 50</td>
<td>0.175</td>
</tr>
<tr>
<td>819.100CLO</td>
<td>20 x 5</td>
<td>20 x 100</td>
<td>0.280</td>
</tr>
<tr>
<td>819.150CLO</td>
<td>27 x 6</td>
<td>28 x 150</td>
<td>0.600</td>
</tr>
<tr>
<td>819.200CLO</td>
<td>31 x 7</td>
<td>32 x 200</td>
<td>1.095</td>
</tr>
<tr>
<td>819.300CLO</td>
<td>39 x 8</td>
<td>40 x 300</td>
<td>2.337</td>
</tr>
</tbody>
</table>

### 818B - Basic squares - Class I

**NF E 11-103, DIN 875**

- Ground sides and chamfers.
- XC12 steel.

<table>
<thead>
<tr>
<th></th>
<th>E x E1 [mm]</th>
<th>L x H [mm]</th>
<th>ΔL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>818B.10</td>
<td>19 x 5</td>
<td>100 x 70</td>
<td>0.130</td>
</tr>
<tr>
<td>818B.15</td>
<td>24 x 6</td>
<td>150 x 100</td>
<td>0.240</td>
</tr>
<tr>
<td>818B.20</td>
<td>30 x 7</td>
<td>200 x 130</td>
<td>0.410</td>
</tr>
<tr>
<td>818B.30</td>
<td>30 x 7</td>
<td>300 x 180</td>
<td>0.880</td>
</tr>
</tbody>
</table>
Squares and bevel protractors

**819B - Basic flanged squares - Class I**

NF E 11-103, DIN 875
- Ground sides and chamfers.
- Screwed flange.
- XC12 steel.
- Supplied with compliance certificate.

<table>
<thead>
<tr>
<th>Series</th>
<th>E x E1 [mm]</th>
<th>L1 [mm]</th>
<th>L x H [mm]</th>
<th>Ø / [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>819B.10</td>
<td>19 x 5</td>
<td>20</td>
<td>100 x 70</td>
<td>0.250</td>
</tr>
<tr>
<td>819B.15</td>
<td>24 x 6</td>
<td>25</td>
<td>150 x 100</td>
<td>0.470</td>
</tr>
<tr>
<td>819B.20</td>
<td>30 x 7</td>
<td>30</td>
<td>200 x 130</td>
<td>0.800</td>
</tr>
<tr>
<td>819B.25</td>
<td>30 x 7</td>
<td>30</td>
<td>250 x 160</td>
<td>0.980</td>
</tr>
<tr>
<td>819B.30</td>
<td>30 x 7</td>
<td>30</td>
<td>300 x 180</td>
<td>1.205</td>
</tr>
</tbody>
</table>

**DELA.1256 - Basic squares - Class II**

NF E 11-103, DIN 875
- Basic 90° squares.

<table>
<thead>
<tr>
<th>Series</th>
<th>E x E1 [mm]</th>
<th>L x H [mm]</th>
<th>Ø / [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1256.02</td>
<td>20 x 5</td>
<td>100 x 70</td>
<td>0.125</td>
</tr>
<tr>
<td>DELA.1256.04</td>
<td>20 x 5</td>
<td>150 x 100</td>
<td>0.290</td>
</tr>
<tr>
<td>DELA.1256.06</td>
<td>30 x 7</td>
<td>200 x 130</td>
<td>0.515</td>
</tr>
<tr>
<td>DELA.1256.07</td>
<td>30 x 7</td>
<td>250 x 165</td>
<td>0.580</td>
</tr>
<tr>
<td>DELA.1256.08</td>
<td>30 x 7</td>
<td>300 x 200</td>
<td>0.700</td>
</tr>
<tr>
<td>DELA.1256.10</td>
<td>40 x 7</td>
<td>350 x 330</td>
<td>1.800</td>
</tr>
</tbody>
</table>

**DELA.1257 - Basic flanged squares - Class II**

NF E 11-103, DIN 875
- Screwed flange.
- Perfect bearing of heel and side.

<table>
<thead>
<tr>
<th>Series</th>
<th>E x E1 [mm]</th>
<th>L1 [mm]</th>
<th>L x H [mm]</th>
<th>Ø / [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1257.02</td>
<td>20 x 5</td>
<td>20</td>
<td>100 x 70</td>
<td>0.200</td>
</tr>
<tr>
<td>DELA.1257.04</td>
<td>20 x 5</td>
<td>20</td>
<td>150 x 100</td>
<td>0.390</td>
</tr>
<tr>
<td>DELA.1257.06</td>
<td>30 x 7</td>
<td>30</td>
<td>200 x 130</td>
<td>0.715</td>
</tr>
<tr>
<td>DELA.1257.07</td>
<td>30 x 7</td>
<td>30</td>
<td>250 x 165</td>
<td>0.850</td>
</tr>
<tr>
<td>DELA.1257.08</td>
<td>40 x 8</td>
<td>40</td>
<td>300 x 200</td>
<td>1.020</td>
</tr>
<tr>
<td>DELA.1257.10</td>
<td>40 x 7</td>
<td>40</td>
<td>500 x 330</td>
<td>2.600</td>
</tr>
</tbody>
</table>
Squares and bevel protractors

Other squares

817 - Dummy squares

- Surface and edges in ground steel.

<table>
<thead>
<tr>
<th></th>
<th>E1 [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>∆κ [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>817.15</td>
<td>15</td>
<td>150</td>
<td>19 - 145</td>
<td>350</td>
</tr>
<tr>
<td>817.20</td>
<td>15</td>
<td>200</td>
<td>24 - 195</td>
<td>580</td>
</tr>
<tr>
<td>817.25</td>
<td>15</td>
<td>250</td>
<td>24 - 240</td>
<td>720</td>
</tr>
<tr>
<td>817.30</td>
<td>15</td>
<td>300</td>
<td>24 - 285</td>
<td>810</td>
</tr>
</tbody>
</table>

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°.

<table>
<thead>
<tr>
<th></th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>∆κ [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1272.01</td>
<td>100</td>
<td>78</td>
<td>270</td>
</tr>
<tr>
<td>DELA.1272.03</td>
<td>150</td>
<td>105</td>
<td>600</td>
</tr>
<tr>
<td>DELA.1272.04</td>
<td>200</td>
<td>142</td>
<td>720</td>
</tr>
</tbody>
</table>

Flanged square 45°

<table>
<thead>
<tr>
<th></th>
<th>E x E1 [mm]</th>
<th>L x H [mm]</th>
<th>∆κ [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1292.00</td>
<td>26 x 7</td>
<td>150 x 150</td>
<td>324</td>
</tr>
</tbody>
</table>
Squares and bevel protractors

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 mm 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 and gauges

### Feeler gauges

<table>
<thead>
<tr>
<th>804</th>
<th>Round tip metric thickness gauges</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Round tip metric thickness gauges" /></td>
<td></td>
</tr>
</tbody>
</table>
| - Set of 19 feeler gauges (round tip): 4/100 → 100/100 mm.  
- Blade length: 90 mm.  
- Weight: 60 g. |

<table>
<thead>
<tr>
<th>804.L</th>
<th>Long metric thickness gauges</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2.png" alt="Long metric thickness gauges" /></td>
<td></td>
</tr>
</tbody>
</table>
| - Set of 19 feeler gauges (round tip): 4/100 → 25/100 mm.  
- Blade length: 150 mm. |

<table>
<thead>
<tr>
<th>804.P</th>
<th>Sharp tip metric thickness gauges</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Sharp tip metric thickness gauges" /></td>
<td></td>
</tr>
</tbody>
</table>
| - Set of 19 feeler gauges (tapered tip): 4/100 → 100/100 mm.  
- Blade length: 90 mm. |

<table>
<thead>
<tr>
<th>804.AM</th>
<th>Anti-magnetic metric thickness gauges</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4.png" alt="Anti-magnetic metric thickness gauges" /></td>
<td></td>
</tr>
</tbody>
</table>
| - Set of 19 feeler gauges (tapered tip): 10/100 → 100/100 mm.  
- Blade length: 100 mm.  
- Brass blades. |
Feeler gauges and gauges

### 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>A [mm]</th>
<th>Number of Blades</th>
<th>Content set [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1786.00</td>
<td>1.0 --&gt; 7.0</td>
<td>34</td>
<td>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</td>
</tr>
<tr>
<td>DELA.1787.00</td>
<td>7.5 --&gt; 15.0</td>
<td>32</td>
<td>7.50 - 8.00 - 8.50 - 9.00 - 9.50 - 10.00 - 10.50 - 11.00 - 11.50 - 12.00 - 12.50 - 13.00 - 13.50 - 14.00 - 14.50 - 15.00</td>
</tr>
<tr>
<td>DELA.1790.00</td>
<td>15.5 --&gt; 25.0</td>
<td>30</td>
<td>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</td>
</tr>
</tbody>
</table>

### Screw pitch gauges

#### 814 - Screw pitch gauges

<table>
<thead>
<tr>
<th>Model</th>
<th>Number of Blades</th>
<th>Thread Forms</th>
<th>Content set [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>814.NI</td>
<td>60° cutting gauge + 25 blades</td>
<td>I.S.O thread</td>
<td>1.50 - 2.00 - 2.50 - 3.00 - 3.50 - 4.00</td>
</tr>
<tr>
<td>814.WH</td>
<td>55° cutting gauge + 29 blades</td>
<td>Whitworth thread</td>
<td>2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20</td>
</tr>
<tr>
<td>814.G</td>
<td>8 blades</td>
<td>Gas thread</td>
<td>Filets intérieurs : 11 - 14 - 19 - 28</td>
</tr>
</tbody>
</table>

### 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.
Marking-out

Scriber

**DELA.1901 - Dry tip scriber**

<table>
<thead>
<tr>
<th></th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1901.05</td>
<td>195</td>
<td>150</td>
<td>85</td>
<td>80</td>
</tr>
<tr>
<td>DELA.1901.07</td>
<td>245</td>
<td>200</td>
<td>100</td>
<td>160</td>
</tr>
<tr>
<td>DELA.1901.08</td>
<td>300</td>
<td>250</td>
<td>125</td>
<td>200</td>
</tr>
<tr>
<td>DELA.1901.09</td>
<td>350</td>
<td>300</td>
<td>140</td>
<td>240</td>
</tr>
</tbody>
</table>

**DELA.1902 - Interior scriber**

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1902.04</td>
<td>160</td>
<td>170</td>
<td>150</td>
<td>82</td>
<td>80</td>
</tr>
<tr>
<td>DELA.1902.06</td>
<td>210</td>
<td>225</td>
<td>200</td>
<td>100</td>
<td>165</td>
</tr>
<tr>
<td>DELA.1902.08</td>
<td>315</td>
<td>325</td>
<td>300</td>
<td>125</td>
<td>230</td>
</tr>
</tbody>
</table>

**Pen holder scriber**

- Pen: Ø 8 mm.

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1905.05</td>
<td>250</td>
<td>300</td>
<td>250</td>
<td>125</td>
<td>210</td>
</tr>
</tbody>
</table>

**823 - 1/4” circle scriber**

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

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>H [mm]</th>
<th>L1 [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>823.19</td>
<td>220</td>
<td>190</td>
<td>70</td>
<td>235</td>
</tr>
<tr>
<td>823.25</td>
<td>250</td>
<td>250</td>
<td>94</td>
<td>370</td>
</tr>
</tbody>
</table>
Marking-out

DELA.1908 - 1/4" tip circle scriber

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>H [mm]</th>
<th>L1 [mm]</th>
<th>MIA. [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1908.03</td>
<td>220</td>
<td>190</td>
<td>68</td>
<td>180</td>
</tr>
<tr>
<td>DELA.1908.04</td>
<td>250</td>
<td>250</td>
<td>68</td>
<td>180</td>
</tr>
</tbody>
</table>

Measuring marking out set

MOD.234 Measuring marking out set

- 257G: automatic centre punch.
- 234: scriber.
- 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 scriber - plastic body

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

**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.


**236 One-piece carbide scriber**

- Rungsten 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, chamfering, deburring, etc.

<table>
<thead>
<tr>
<th></th>
<th>L (mm)</th>
<th>Blade</th>
<th>Handle</th>
<th>Wt (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP6X80</td>
<td>190</td>
<td>6 x 8</td>
<td>30 x 110</td>
<td>80</td>
</tr>
<tr>
<td>AP8X125</td>
<td>245</td>
<td>8 x 125</td>
<td>36 x 125</td>
<td>120</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>L [mm]</th>
<th>Cross-section [mm]</th>
<th>Dimension [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>292A.3</td>
<td>3</td>
<td>70</td>
<td>8 x 8</td>
<td>110 x 40 x 80</td>
</tr>
<tr>
<td>292A.4</td>
<td>4</td>
<td>70</td>
<td>8 x 8</td>
<td>110 x 40 x 80</td>
</tr>
<tr>
<td>292A.5</td>
<td>5</td>
<td>75</td>
<td>10 x 10</td>
<td>110 x 40 x 80</td>
</tr>
<tr>
<td>292A.6</td>
<td>6</td>
<td>75</td>
<td>10 x 10</td>
<td>110 x 40 x 80</td>
</tr>
<tr>
<td>292A.8</td>
<td>8</td>
<td>83</td>
<td>13 x 13</td>
<td>145 x 55 x 90</td>
</tr>
</tbody>
</table>
293A - Set of 9 digit punches

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 2.90 m vertically and 2.30 m horizontally without bending for the 25 mm 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.

<table>
<thead>
<tr>
<th>Class</th>
<th>Length in m / Tolerance in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>of accuracy</td>
<td>1 m</td>
</tr>
<tr>
<td>I</td>
<td>±0,5</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>SELECTION GUIDE</th>
<th>Stainless steel case 897 nylon-coated blade</th>
<th>ABS case 893 nylon-coated blade</th>
<th>Stainless steel case 800 series varnish-coated blade</th>
<th>ABS case 893 nylon-coated blade. Direct reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Short length tape measures**

**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.

---

**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.

<table>
<thead>
<tr>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>897.216</td>
<td>32.0</td>
<td>64</td>
<td>70</td>
<td>16</td>
</tr>
<tr>
<td>897.319</td>
<td>32.0</td>
<td>64</td>
<td>70</td>
<td>19</td>
</tr>
<tr>
<td>897.525</td>
<td>41.0</td>
<td>72</td>
<td>78</td>
<td>25</td>
</tr>
<tr>
<td>897.825</td>
<td>40.5</td>
<td>82</td>
<td>85</td>
<td>25</td>
</tr>
<tr>
<td>897.1025</td>
<td>40.5</td>
<td>82</td>
<td>90</td>
<td>25</td>
</tr>
</tbody>
</table>
**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.

---

**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).

<table>
<thead>
<tr>
<th></th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>ΔV [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>893.213</td>
<td>24.0</td>
<td>52.0</td>
<td>55</td>
<td>13</td>
<td>2</td>
<td>78</td>
</tr>
<tr>
<td>893.316</td>
<td>27.0</td>
<td>60.0</td>
<td>60</td>
<td>16</td>
<td>3</td>
<td>126</td>
</tr>
<tr>
<td>893.519</td>
<td>31.0</td>
<td>67.0</td>
<td>70</td>
<td>19</td>
<td>5</td>
<td>197</td>
</tr>
<tr>
<td>893.825</td>
<td>37.5</td>
<td>81.5</td>
<td>85</td>
<td>25</td>
<td>8</td>
<td>200</td>
</tr>
</tbody>
</table>

---

**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.

<table>
<thead>
<tr>
<th></th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>ΔV [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>893.316F</td>
<td>27</td>
<td>60</td>
<td>60</td>
<td>16</td>
<td>121</td>
<td>121</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th></th>
<th>A [mm]</th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L1 [mm]</th>
<th>L2 [mm]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>800A</td>
<td>50</td>
<td>21.4</td>
<td>50</td>
<td>16</td>
<td>2</td>
<td>90</td>
</tr>
<tr>
<td>801A</td>
<td>60</td>
<td>21.4</td>
<td>60</td>
<td>16</td>
<td>3</td>
<td>125</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th></th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L1 [mm]</th>
<th>L2 [”]</th>
<th>L2 [m]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>800A.EX</td>
<td>21.4</td>
<td>50</td>
<td>50</td>
<td>16</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>801A.EX</td>
<td>21.4</td>
<td>60</td>
<td>60</td>
<td>16</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th></th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L1 [mm]</th>
<th>L2 [”]</th>
<th>L2 [m]</th>
<th>ΔA [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.25.00EX</td>
<td>33</td>
<td>62</td>
<td>62</td>
<td>16</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>DELA.35.00EX</td>
<td>33</td>
<td>62</td>
<td>62</td>
<td>16</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>DELA.55.00EX</td>
<td>44</td>
<td>71</td>
<td>71</td>
<td>16</td>
<td>16</td>
<td>5</td>
</tr>
</tbody>
</table>
**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 ± 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.

<table>
<thead>
<tr>
<th>DELEA.62881.01C</th>
<th>L1 [mm]</th>
<th>L2 [m]</th>
<th>δL [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.62881.01C</td>
<td>13</td>
<td>10</td>
<td>369</td>
</tr>
<tr>
<td>DELA.62881.02C</td>
<td>13</td>
<td>20</td>
<td>664</td>
</tr>
</tbody>
</table>
Long tape measures

**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.

<table>
<thead>
<tr>
<th></th>
<th>L1 (mm)</th>
<th>L2 (m)</th>
<th>ΔΔ (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.62883.03C</td>
<td>13</td>
<td>30</td>
<td>1270</td>
</tr>
<tr>
<td>DELA.62883.04C</td>
<td>13</td>
<td>50</td>
<td>1720</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>L1 (mm)</th>
<th>L2 (m)</th>
<th>ΔΔ (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.2881.01</td>
<td>13</td>
<td>10</td>
<td>369</td>
</tr>
<tr>
<td>DELA.2881.02</td>
<td>13</td>
<td>20</td>
<td>604</td>
</tr>
<tr>
<td>DELA.2881.03</td>
<td>13</td>
<td>30</td>
<td>874</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th></th>
<th>L1 (mm)</th>
<th>L2 (m)</th>
<th>ΔΔ (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.2883.04</td>
<td>13</td>
<td>50</td>
<td>1720</td>
</tr>
</tbody>
</table>
**Long tape measures**

- **DELA.2831 - Profile body tape measures**
  - ABS body with folding crank.
  - Tape treated anticorrosion.
  - Folding crank.
  - |   | L1 [mm] | L2 [m] | ΔM [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.
  - |   | L1 [mm] | L2 [m] | ΔM [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.
  - |   | L1 [mm] | L2 [m] | ΔM [g] |
  - |---|---|---|---|
  - DELA.2882.20 | 15 | 20 | 480 |
Levels

Engineers levels

Two-vial level

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

<table>
<thead>
<tr>
<th>DELA.3151.01</th>
<th>L [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>200</td>
<td>400</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>3067.200</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>L1 [mm]</th>
<th>ΔM [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>42,5</td>
<td>200</td>
<td>40</td>
<td>1,820</td>
<td></td>
</tr>
<tr>
<td>3067.300</td>
<td>47,0</td>
<td>300</td>
<td>50</td>
<td>2,580</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>3071.200</th>
<th>E [mm]</th>
<th>H [mm]</th>
<th>L [mm]</th>
<th>ΔM [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>42,5</td>
<td>200</td>
<td>200</td>
<td>4,300</td>
<td></td>
</tr>
</tbody>
</table>

DELA.3180 - Round laid levels

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

<table>
<thead>
<tr>
<th>DELA.3180.02</th>
<th>d [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>DELA.3180.03</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>DELA.3180.05</td>
<td>50</td>
<td>80</td>
</tr>
</tbody>
</table>
Levels

Builders 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.

<table>
<thead>
<tr>
<th>307BM.25</th>
<th>307BM.40</th>
<th>307BM.60</th>
</tr>
</thead>
<tbody>
<tr>
<td>E (mm)</td>
<td>L (mm)</td>
<td>L1 (mm)</td>
</tr>
<tr>
<td>22</td>
<td>250</td>
<td>45</td>
</tr>
<tr>
<td>23</td>
<td>400</td>
<td>50</td>
</tr>
<tr>
<td>23</td>
<td>600</td>
<td>50</td>
</tr>
</tbody>
</table>
**Levels**

### 307B - Standard trapezoidal levels

![307B - Standard trapezoidal levels](image)

**DIN 877**
- In reverse position, accuracy 0.75 mm/m.
- Massive light alloy body, pressure moulded.
- Electrostatic powder protective coating.

<table>
<thead>
<tr>
<th>E (mm)</th>
<th>L (mm)</th>
<th>L1 (mm)</th>
<th>( \Delta ) (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>307B.25</td>
<td>22</td>
<td>250</td>
<td>45</td>
</tr>
<tr>
<td>307B.40</td>
<td>23</td>
<td>400</td>
<td>50</td>
</tr>
<tr>
<td>307B.60</td>
<td>23</td>
<td>600</td>
<td>50</td>
</tr>
</tbody>
</table>

### Tubular-section levels

#### 320B - Standard levels, 1 machined sole plate

![320B - Standard levels, 1 machined sole plate](image)

**DIN 877**
- In reverse position, accuracy 0.75 mm/m.
- Light alloy body, drawn.
- Electrostatic powder coating.
- Vertical vial and horizontal vial.

<table>
<thead>
<tr>
<th>E (mm)</th>
<th>L (mm)</th>
<th>L1 (mm)</th>
<th>( \Delta ) (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320B.40</td>
<td>21</td>
<td>400</td>
<td>50</td>
</tr>
<tr>
<td>320B.60</td>
<td>21</td>
<td>600</td>
<td>50</td>
</tr>
</tbody>
</table>

#### 309BM - Magnetic levels

![309BM - Magnetic levels](image)

**DIN 877**
- In reverse position, accuracy 1 mm/m.
- Light alloy body, drawn.
- Smooth anodized surfaces (easy cleaning).
- Vertical vial and horizontal vial.

<table>
<thead>
<tr>
<th>E (mm)</th>
<th>L (mm)</th>
<th>L1 (mm)</th>
<th>( \Delta ) (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>309BM.40</td>
<td>21</td>
<td>400</td>
<td>50</td>
</tr>
<tr>
<td>309BM.60</td>
<td>21</td>
<td>600</td>
<td>50</td>
</tr>
</tbody>
</table>

#### 311B - Magnetic levels, 1 machined sole plate

![311B - Magnetic levels, 1 machined sole plate](image)

**DIN 877**
- In reverse position, accuracy 0.5 mm/m.
- Fitted with a vertical vial, horizontal vial, and a declivity vial.
Folding rules

Duralumin 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.

<table>
<thead>
<tr>
<th>Precision tolerances</th>
<th>Length</th>
<th>1 m</th>
<th>2 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class III</td>
<td>+/- 1.0 mm</td>
<td>+/- 1.4 mm</td>
<td></td>
</tr>
</tbody>
</table>

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.
Builders squares

Squares

**DELA.1223 - Stainless steel joiners squares**

![Stainless steel joiners square](image)

**NF E 73-205**

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

<table>
<thead>
<tr>
<th>DELA.1223.01</th>
<th>L x H [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1223.01</td>
<td>200 x 120</td>
<td>160</td>
</tr>
<tr>
<td>DELA.1223.02</td>
<td>250 x 140</td>
<td>200</td>
</tr>
<tr>
<td>DELA.1223.03</td>
<td>300 x 170</td>
<td>240</td>
</tr>
<tr>
<td>DELA.1223.04</td>
<td>400 x 200</td>
<td>300</td>
</tr>
</tbody>
</table>

False squares

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

![Dummy squares](image)

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

<table>
<thead>
<tr>
<th>DELA.1207.02</th>
<th>L [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1207.02</td>
<td>250</td>
<td>150</td>
</tr>
<tr>
<td>DELA.1207.03</td>
<td>300</td>
<td>180</td>
</tr>
<tr>
<td>DELA.1208.02</td>
<td>250</td>
<td>120</td>
</tr>
<tr>
<td>DELA.1208.03</td>
<td>300</td>
<td>140</td>
</tr>
</tbody>
</table>

**DELA.1276 - Metal dummy sliding squares**

![Metal dummy sliding square](image)

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

<table>
<thead>
<tr>
<th>DELA.1276.02</th>
<th>L [mm]</th>
<th>ΔM [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.1276.02</td>
<td>250</td>
<td>260</td>
</tr>
<tr>
<td>DELA.1276.03</td>
<td>300</td>
<td>270</td>
</tr>
</tbody>
</table>
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.
- Poly cotton line Ø 1 mm with hook.

Spare line 100 m: DELA.3226.01.CORD.

<table>
<thead>
<tr>
<th></th>
<th>L (m)</th>
<th>ΔM (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.13299.15</td>
<td>15</td>
<td>250</td>
</tr>
<tr>
<td>DELA.13299.30</td>
<td>30</td>
<td>265</td>
</tr>
</tbody>
</table>

**DELA.13298 - Chalk line reels, plum-bob**

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

<table>
<thead>
<tr>
<th></th>
<th>L (m)</th>
<th>ΔM (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.3298.15</td>
<td>15</td>
<td>240</td>
</tr>
<tr>
<td>DELA.3298.30</td>
<td>30</td>
<td>250</td>
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</tbody>
</table>
Builders marking-out

- **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**

- **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.
  - S 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.
Liquid capacity gauge

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>l [mm]</th>
<th>ρ [kg]</th>
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<tbody>
<tr>
<td>5112.20</td>
<td>20</td>
<td>13</td>
<td>2.400</td>
</tr>
<tr>
<td>5112.30</td>
<td>30</td>
<td>13</td>
<td>2.750</td>
</tr>
</tbody>
</table>

Spare parts for sounding leads

5116 - Yellow lacquered steel tapes fitted with weights

5117 - Black engraved steel tapes fitted with weights

Full 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ρ [kg]</th>
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</thead>
<tbody>
<tr>
<td>DELA.5300.03</td>
<td>2000</td>
<td>21.5 x 12.5</td>
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<tr>
<td>DELA.5300.05</td>
<td>3000</td>
<td>21.5 x 12.5</td>
<td>1.000</td>
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<tr>
<td>DELA.5300.06</td>
<td>3500</td>
<td>21.5 x 12.5</td>
<td>1.160</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>L [mm]</th>
<th>L1 x L2 [mm]</th>
<th>ρ [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELA.5301.03</td>
<td>4000</td>
<td>33.4 x 1.2</td>
<td>3.400</td>
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