



METROLOGY - MEASURING



DIGITAL METROLOGY

528

- Laser 528
- Calipers 531
- Depth gauge 532
- Micrometer 532
- Dial gauge 532



MECHANICAL METROLOGY

533

- Mechanical calipers 533
- Mechanical depth gauges 534
- Mechanical micrometers 535
- Metrology sets 536
- Mechanical dial gauges 537
- Magnetic bases 537
- Surface gauges 538
- Surface plates and V-block 538



FEELER GAUGES AND GAUGES

539

- Radius gauges 539
- Screw pitch gauges 539



RULERS

540

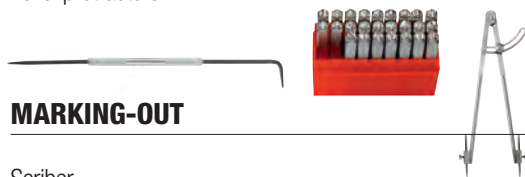
- Engineers rules 541
- Class II rules 541



SQUARES AND BEVEL PROTRACTORS

543

- Precision squares 543
- Other squares 545
- Bevel protractors 546



MARKING-OUT

547

- Scriber 547
- Measuring marking out set 548
- Steel scribers 549
- Letter and digit punches 549



SHORT LENGTH TAPE MEASURES

550

- Grip series 550
- ABS series 551
- Metal series 551
- Export series mm and inch (not for sale in France) 551



LONG TAPE MEASURES

552

- Tape treated anticorrosion Class I 552
- Tape treated anticorrosion Class II 553



LEVELS

553

- Engineers levels 552
- Trapezoidal levels 553
- Tubular-section levels 555



FOLDING RULES

556

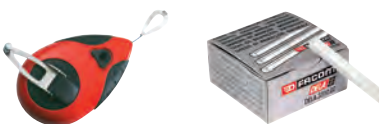
- Synthetic folding rule 556



BUILDERS SQUARES

556

- Squares 556
- False squares 556



BUILDERS MARKING-OUT

556

- Chalk line reels 557
- Chalk sticks 557



FLUO

RFid



E.LM30

New laser distance measurer



FACOM industrial design

Compact, lightweight design for easy storage.

Easy reading

Black display with white letters.

Measuring range:
0,165 -> 30m.

Measure accuracy:
+/- 3mm -> 10m.

Auto power switch off:
after 180s.



Easy operation

One button for both hold measurements and continuous measuring.



	LASER 2	
≤1.0mW @ 620-690nm IEC 60825-1: 2014		

LASER

■ Laser distance measurer

IEC/EN60825-1: 2014

- Compact, lightweight design for easy storage.
 - One button for simple operation.
 - Press one button for both hold measurements and continuous measuring.
 - Range: 0,165 -> 30m.
 - Measuring accuracy: +/- 3 mm -> 10m.
 - Smallest unit displayed: 1 mm.
 - Laser class: Class 2 (IEC/EN60825-1: 2014).
 - Laser type: 620-690 nm, power < 1mW.
 - Unit automatic switch-off: After 180 s.
 - Battery life (2x AAA): up to 3000 measurements.
 - Storage temperature: - 10°C -+ 60°C.
 - Operating temperature range: 0°C - + 40°C.
- *Including batteries.



	H [mm]	L [mm]	W [mm]	ΔΔ [kg]
E.LM30	120	46	30	0.112*



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.

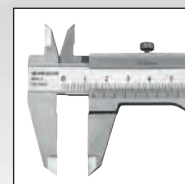
- Dimensional standard

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.

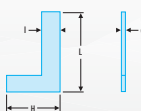
Measurement range (mm)	Bias error (μm)	Parallelism tolerance Applied force = 10N (μm)	Frame bending tolerance Applied force = 10N (μm)
0-25	4	2	2
25-50	4	2	2
50-75	5	3	3
75-100	5	3	3

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 875 - Engineers square.

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



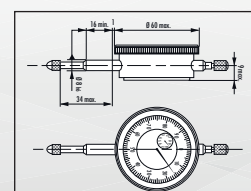
Dim. (L) mm	Perpendicularity tolerance (μm)		
	Accuracy class		
	0	1	2
75	7	14	28
100	7	15	30
150	8	18	35
200	9	20	40
250	10	23	45
300	11	25	50
500	15	35	70

Dim. (L) mm	Height	
	Class 00/0/1	Class 2
75	50	50
100	70	70
150	100	100
200	130	130
250	165	165
300	200	175
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

DIN 878 Dial gauges to 1/100 mm.

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



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

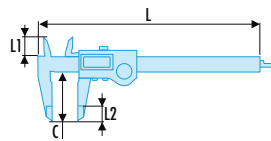
- Gagewedge utility program developed for FACOM.
- Reliable data recording.
- Saves time, simple and easy to use.
- Compatible with the entire FACOM digital range.
- Easy RS232 cable connection between the measuring instrument and the PC.

CALIPERS

■ 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.

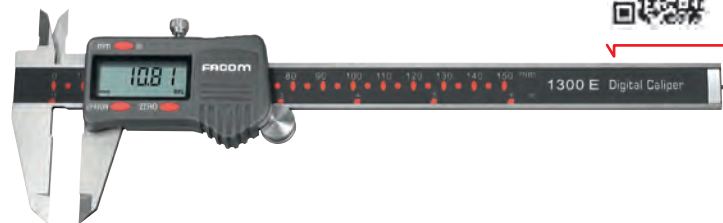


Model	C [mm]	L [mm]	L1 [mm]	L2 [mm]	Capacity [mm]	Bias error [µm]	ΔΔ [g]
1320	50	290	20	14	200	30	680

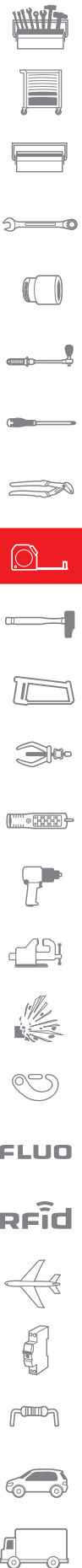
■ Workshop digital display caliper 150 mm - 1/100th

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.

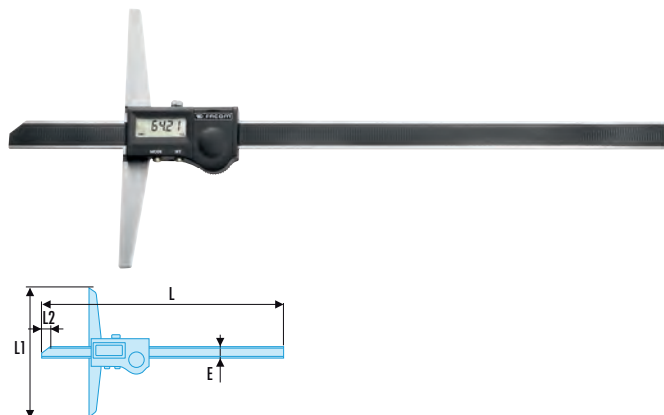


Model	L [mm]	Capacity [mm]	ΔΔ [g]
1300EA	235	150	420



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 [mm]	Bias error [µm]	ΔΔ [g]
1350	16	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 [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 [mm]	ΔΔ [g]
1365	0 - 12,5	120

MECHANICAL CALIPERS

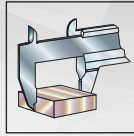
MECHANICAL METROLOGY

Improved performance

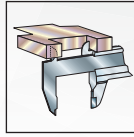


Extra service

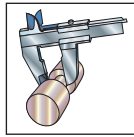
Have your measuring instruments inspected each year by an accredited organisation to guarantee their accuracy.



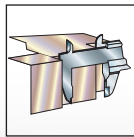
Outside measurement.



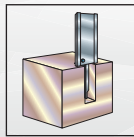
Inside measurement.



Throat measurement.



Step measurement.



Depth measurement.

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.

Accuracy

- To 1/50 – 1/20 – 1/10 mm.

Traceability

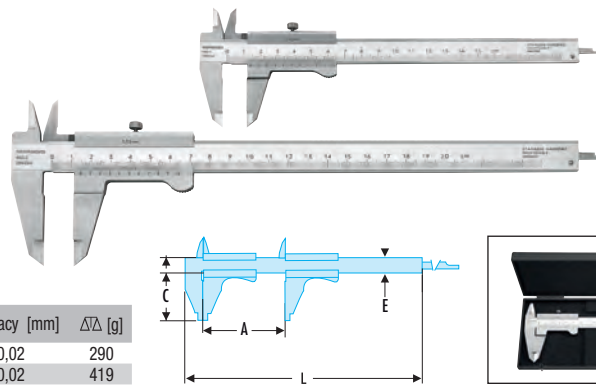
- Supplied with a numbered certificate of conformity.

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

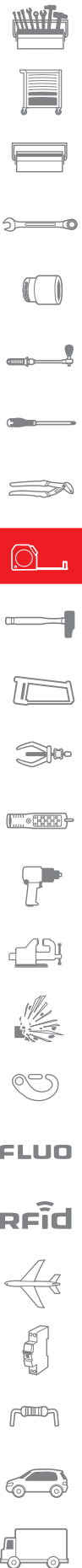
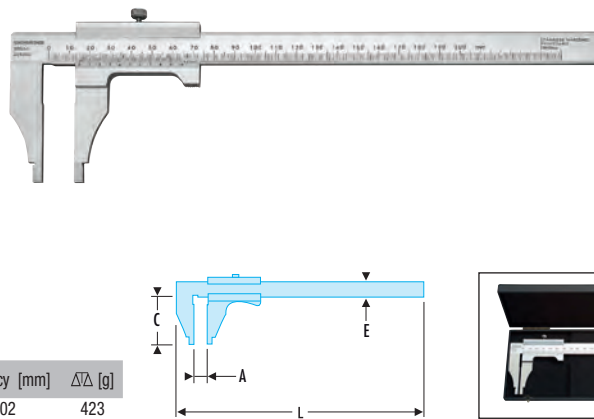


Caliper class 0 - 1/50th

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]	$\Delta\Delta$ [g]
805.M	200	60	17	290	30	0,02	423

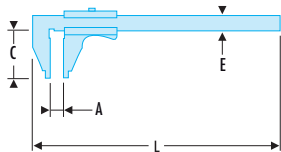


FLUO

Rfid

MECHANICAL CALIPERS

■ Universal caliper - 150mm - 1/20th

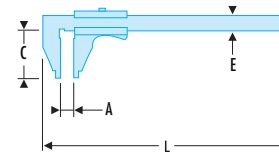
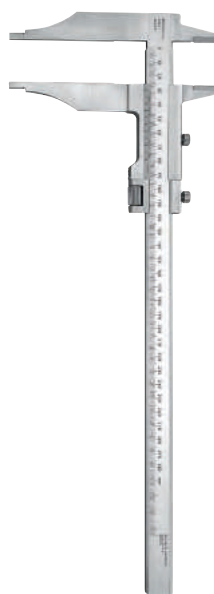


NF EN ISO 13385-1, ISO 13385-1, DIN 862

- 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.

Part No.	A [mm]	C [mm]	E [mm]	L [mm]	Bias error [µm]	Accuracy [mm]	ΔΔ [g]
816	150	40	16	228	50	0,05	288

■ Universal caliper - 300 mm - 1/50th



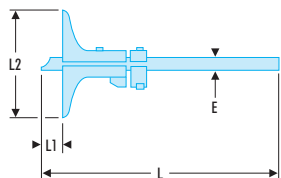
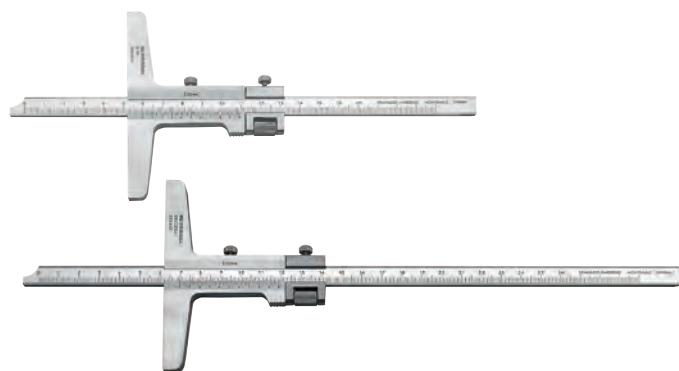
NF EN ISO 13385-1, ISO 13385-1, DIN 862

- 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.

Part No.	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

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.

Part No.	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:
 - 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.

806	Bias error [µm]	Parallelism of measuring faces [µm]	Measuring range [mm]	Flatness of measuring surfaces/Max.[µm]	ΔΔ [g]
806.C25	4	2	0 - 25	0,4	310
806C.50	4	2	25 - 50	0,4	482
806C.75	5	3	50 - 75	0,4	631
806C.100	5	3	75 - 100	0,4	744

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.

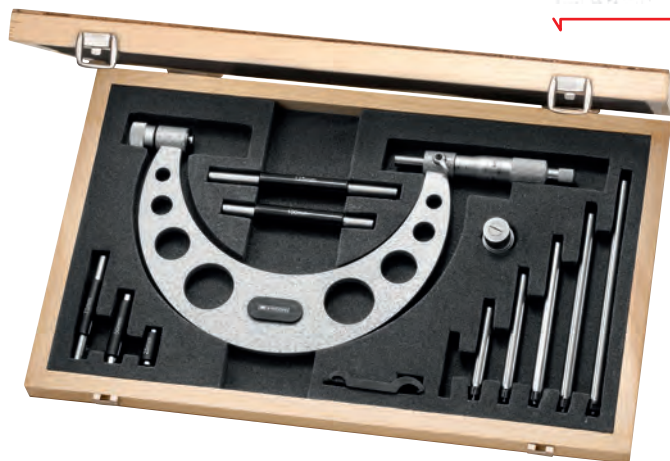
806.F	Capacity [mm]	Bias error [µm]	Parallelism of measuring faces [µm]	Flatness of measuring surfaces/Max.[µm]	ΔΔ [g]
806.F	0 - 25	4	2	0,4	273

Exterior micrometer with extension 1/100th mm accuracy

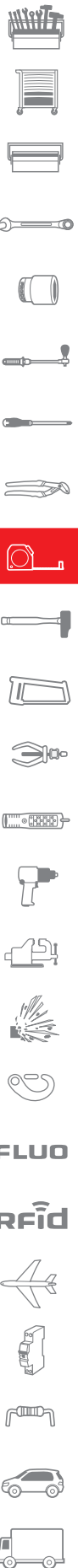


NF EN ISO 3611, ISO 3611, DIN 863

- 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.



807C	ΔΔ [kg]
807C	1800



METROLOGY SETS

■ 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.



	H [mm]	l [mm]	L [mm]	ΔΔ [g]
MOD.MET	40	175	418	930

■ Metrology-control case 8 tools



Including:

- 805.M: caliper to 1/50 mm (capacity: 200 mm).
- DELA.1051.300: 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).



	H [mm]	L [mm]	P [mm]	ΔΔ [kg]
809.J2	30	365	260	2.1

■ 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.
- DELA.1051.300: stainless rule 300 mm.
- 256.4: punch.



	H [mm]	L [mm]	P [mm]	ΔΔ [kg]
809.J3	40	410	280	3.6

MECHANICAL DIAL GAUGES

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

	$\Delta\Delta$ [g]
812B.AC	345

■ 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.

	$\Delta\Delta$ [g]
812B.P	154

■ Dial gauge-magnetic base set



- Dial gauge 812B.AC supplied with the hinged magnetic holder 812.3.

	$\Delta\Delta$ [kg]
812A	2.245

■ 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.

	$\Delta\Delta$ [kg]
812.3	1.9



FLUO

RFid

SURFACE GAUGES

■ 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.

	$\Delta\Delta$ [kg]
796B	3.280

■ 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.

	$\Delta\Delta$ [kg]
795A	1.745

SURFACE PLATES AND V-BLOCK

■ Cast iron surface plates



- DIN 876**
- Class II.



	Dimension [mm]	$\Delta\Delta$ [kg]
1200.50	500 x 300	22

■ 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.



	Dimension [mm]	$\Delta\Delta$ [kg]
1202	30 x 40 x 50 x 60	7.4
1202.00	20 x 30 x 40 x 50	2.8

RADIUS GAUGES

DELA - Radius gauges



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

DE	A [mm]	Content set	Number of Blades	ΔΔ [g]
DELA.1786.00	1,0 --> 7,0	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	34	600
DELA.1787.00	7,5 --> 15,0	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	32	720
DELA.1790.00	15,5 --> 25,0	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	30	350

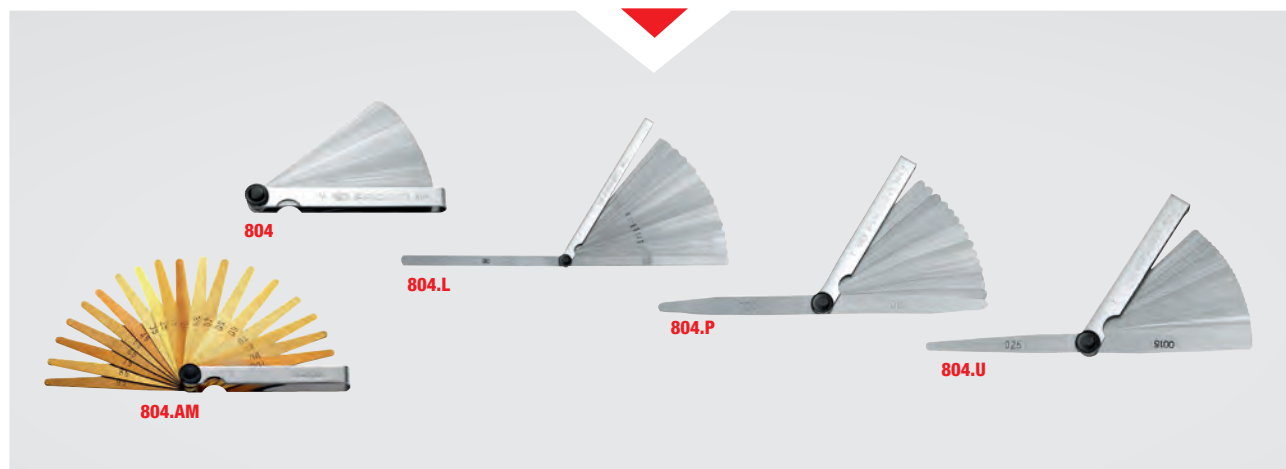
SCREW PITCH GAUGES

814 - Screw pitch gauges



DE	Content set	Number of Blades	Thread Forms	ΔΔ [g]
814.M	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	60° cutting gauge + 31 blades	Metric thread	53
814.NI	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	60° cutting gauge + 25 blades	I.S.O thread	420
814.WH	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	55° cutting gauge + 29 blades	Whitworth thread	40
814.G	Filets intérieurs : 11 - 14 - 19 - 28 Filets extérieurs : 11 - 14 - 19 - 28	8 blades	Gas thread	150

SEE THE FEELER GAUGES SECTION 23



RULERS

A FACOM specialty, rigorous expertise

Tight production control: our rulers have been produced in our plants located in France since 1918.



Chemical engraving

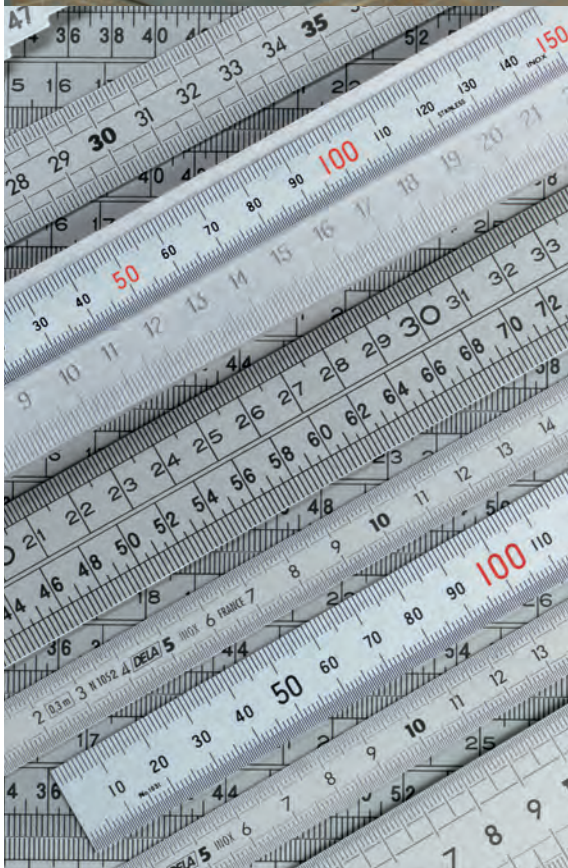
- Deep markings.
- Perfect contrast.
- Resistant to wear and chemical agents.

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 20 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.

ENGINEERS RULE

■ Non graduated solid stainless steel ruler

NF E 11-104, DIN 874

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



809.IN500	L [mm]	Section [mm ²]	$\Delta\Delta$ [g]
809.IN500	500	50 x 10	40

■ Graduated solid stainless steel ruler

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.



809.ING500	L [mm]	Section [mm ²]	$\Delta\Delta$ [kg]
809.ING500	500	50 x 10	2.900

■ 809 - Stainless steel filament rulers

NF E 11-104, DIN 874

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

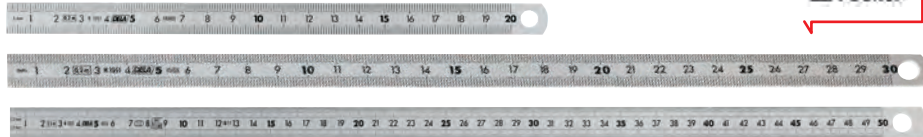
	L [mm]	Flatness of measuring surfaces/Max. [μm]	$\Delta\Delta$ [g]
809.75	75	2	80
809.100	100	2	125
809.150	150	3	200
809.200	200	3	280



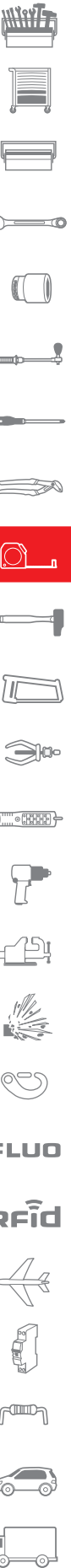
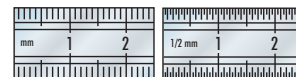
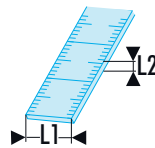
CLASS II RULES

■ DELA.1051 - Stainless steel rulers - 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.

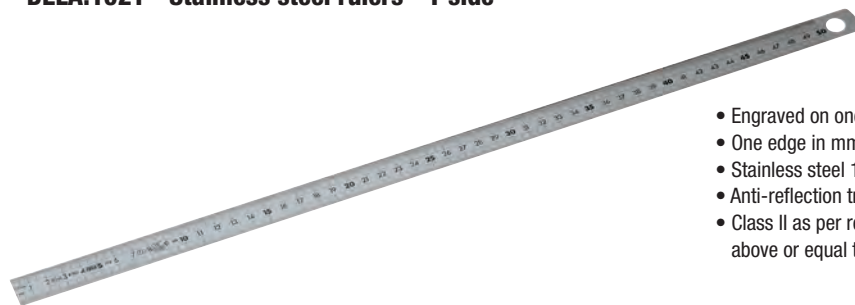


	L [mm]	L1 x L2 [mm]	$\Delta\Delta$ [g]
DELA.1051.150	150	13 x 0,5	124
DELA.1051.200	200	13 x 0,5	11
DELA.1051.300	300	13 x 0,5	16
DELA.1051.500	500	20 x 0,5	40

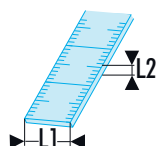


CLASS II RULE

DELA.1021 - Stainless steel rulers - 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.

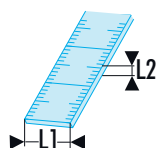


➤	L [mm]	L1 x L2 [mm]	ΔΔ [g]
DELA.1021.1000	1000	25 x 0,5	100
DELA.1021.1500	1500	25 x 0,5	152
DELA.1021.2000	2000	25 x 0,5	200

DELA.1056 - Stainless steel semi-rigid short rulers - 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.

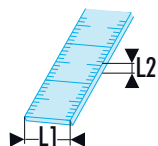


➤	L [mm]	L1 x L2 [mm]	ΔΔ [g]
DELA.1056.300	300	30 x 0,8	60
DELA.1056.500	500	30 x 0,8	120

DELA.1056 - Stainless steel semi-rigid long rulers - 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.



➤	L [mm]	L1 x L2 [mm]	ΔΔ [g]
DELA.1056.1000	1000	30 x 0,8	100
DELA.1056.1500	1500	30 x 0,8	8,5
DELA.1056.2000	2000	30 x 0,8	11

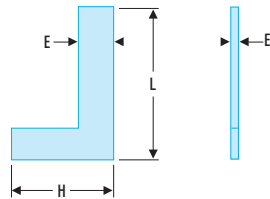
PRECISION SQUARES

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.

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

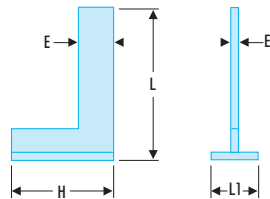


819.CLO - Stainless steel flanged precision squares - Class 0

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.

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

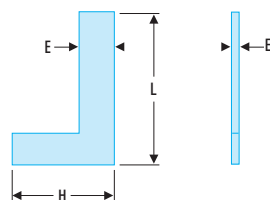


818B - Basic squares - Class I

NF E 11-103, DIN 875

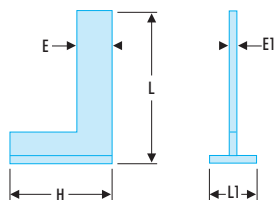
- Ground sides and chamfers.
- XC12 steel.

818B	E x E1 [mm]	L x H [mm]	$\Delta\Delta$ [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



PRECISION SQUARES

Basic flanged squares - Class I

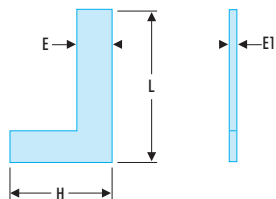


NF E 11-103, DIN 875

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

REF	E x E1 [mm]	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
8198.15	24 x 6	100	150	25	0,470

DELA.1256 - Basic squares - Class II

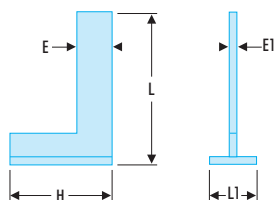


NF E 11-103, DIN 875

- Basic 90° squares.

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

DELA.1257 - Basic flanged squares - Class II



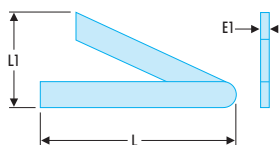
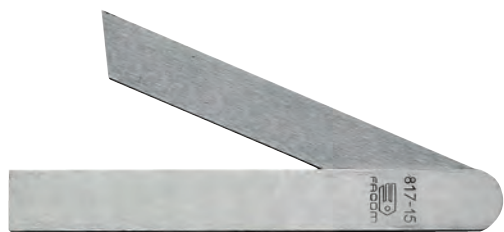
NF E 11-103, DIN 875

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

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

OTHER SQUARES

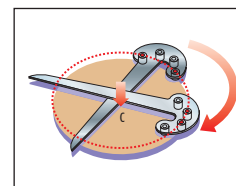
817 - Dummy squares



• Surface and edges in ground steel.

🔗	E1 [mm]	L [mm]	L1 [mm]	ΔΔ [g]
817.15	15	150	19 - 145	465
817.20	15	200	24 - 195	491
817.25	15	250	24 - 240	300
817.30	15	300	24 - 285	480

Centering square



• Steel square with 4 symmetrical studs.
• Allows to determine the center of an arc of circle in two operations.

🔗	ΔΔ [g]
DELA.1290.00	100

DELA.1272 - Flanged double tab squares

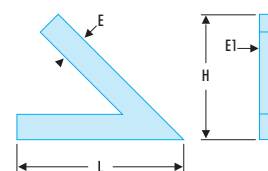


NF E 11-103, DIN 875

• Angles 30°, 45°, 60°, 90°.

🔗	L [mm]	L1 [mm]	ΔΔ [g]
DELA.1272.01	100	78	663
DELA.1272.03	150	105	880
DELA.1272.04	200	142	300

Flanged square 45°



🔗	E x E1 [mm]	H [mm]	L [mm]	ΔΔ [g]
DELA.1292.00	26 x 7	150	150	105



BEVEL PROTRACTORS

Bevel protractor

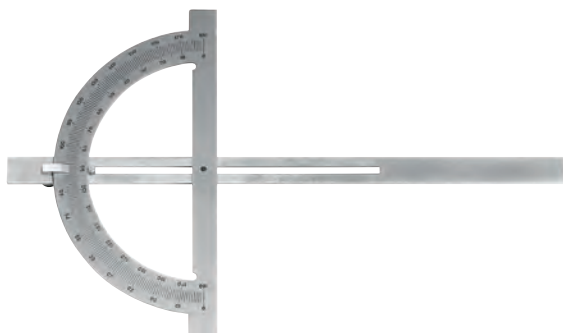


- Ground stainless steel.
- Base of the sector divided in mm.
- Double division reversed from 0 to 180°.
- Sector Ø: 85 mm.
- Rule length: 170 mm.
- Easy reading by an index inside a port.



	L [mm]	ΔΔ [g]
1885.00	170	150

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.



	L [mm]	ΔΔ [g]
DELA.1880.00	400	420

Simplified bevel protractor

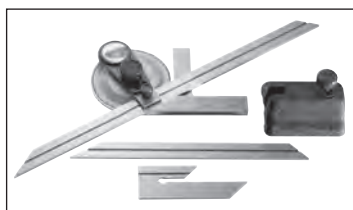


- Stainless steel model without square.
- Accuracy: 5 mn arc.
- Length: 300 mm.
- Supplied in case (L. x D. x H.): 370 x 145 x 35 mm.



	L [mm]	ΔΔ [g]
DELA.1897.02	300	400

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.

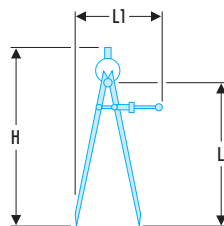


	H [mm]	L [mm]	P [mm]	ΔΔ [kg]
813B.S	20	315	75	1,466

SCRIBER

DELA.1901 - Dry tip scriber

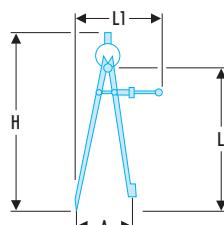
DELA	H [mm]	L [mm]	L1 [mm]	ΔΔ [g]
DELA.1901.05	195	150	85	90
DELA.1901.07	245	200	100	160
DELA.1901.08	300	250	125	200



Pen holder scriber

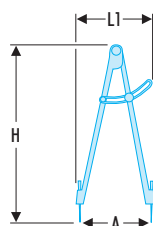
• Pen: Ø 8 mm.

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



1/4" circle scriber

DELA	A [mm]	H [mm]	L1 [mm]	ΔΔ [g]
823.25	250	250	94	370



MEASURING MARKING OUT SET

Measuring marking out set



- 257G: automatic centre punch.
- 234: scriber.
- 893B.319: tape measure 3 m.
- DELA.1051.05: rule 300 mm.
- 1885.00: bevel protractor.
- DELA.1051.300: straight square and tab 300 mm.
- Thermoformed module PL633.



🔪	H [mm]	l [mm]	L [mm]	ΔΔ [kg]
MOD.234	40	175	418	1,050

STEEL SCRIBERS

Steel scriber



- Tip treated in chrome vanadium steel.
- Tip: Ø 4 mm.



🔪	L [mm]	ΔΔ [g]
234	190	20

Interchangeable steel tip scribe



- Tip treated in fast steel.
- Tips: Ø 4 mm.
- Body: Ø 8 mm.
- Set of 2 spare tips: 234.SP2.



🔪	L [mm]	ΔΔ [g]
234A.S	260	58

Pen type carbide scriber



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



🔪	L [mm]	ΔΔ [g]
DELA.1589.00A	150	100

STEEL SCRIBERS

One-piece carbide scriber

- Rungsten carbide offset tip for scribing on tempered parts: Ø 2 mm.
- Octogon-shape body: Ø 12 mm.
- Length: 180 mm.



Icon	L [mm]	ΔΔ [g]
236	180	30

Square tips

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



Icon	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

DIN 7353

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



Icon	A [mm]	L [mm]	Dimension [mm]	Cross-section [mm]	ΔΔ [g]
292A.3	3	70	110 x 40 x 80	8 x 8	800
292A.4	4	70	110 x 40 x 80	8 x 8	800
292A.5	5	75	110 x 40 x 80	10 x 10	1340
292A.6	6	75	110 x 40 x 80	10 x 10	1350
292A.8	8	83	145 x 55 x 90	13 x 13	2520

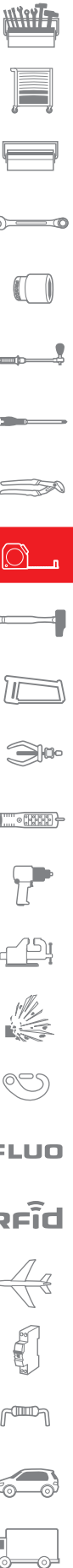
293A - Set of 9 digit punches

DIN 7353

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



Icon	A [mm]	L [mm]	Dimension [mm]	Cross-section [mm]	ΔΔ [g]
293A.3	2	70	40 x 40 x 80	8 x 8	265
293A.4	4	75	40 x 40 x 80	8 x 8	275
293A.5	5	75	40 x 40 x 80	10 x 10	460
293A.6	6	75	40 x 40 x 80	10 x 10	460
293A.8	8	83	55 x 55 x 90	13 x 13	925



GRIP SERIES

897A - HIGH PERFORMANCE TAPE MEASURE

Bi-material casing

- Soft gum coating: comfort and longevity.
- Metal place insert.
- High strenght.

Wide hook with 3-point fastening

High quality extra wide mylar tape

- 19 mm for 3 meter measurements.
- 28 mm for 4 and 8 meters measurements.
- Extreme rigidity (up to over 3 m).
- Resistance to abrasion.

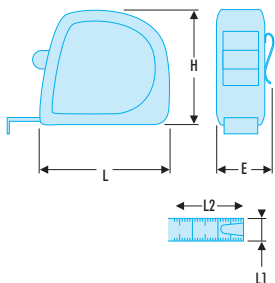
Belt clip



Locking button with automatic return



897A - ABS body tape measure Grip



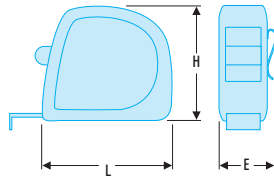
- Soft coating withstanding impacts and intense conditions of use.
- Very high durability, anti-reflection mat, Mylar coating.
- 897A.319: 2-rivet blade covering with stainless steel reinforcement plate.
- 897A.528 - 897A.828: 3-rivet blade covering with stainless steel reinforcement plate.
- Horizontal and vertical tape rigidity see dimension table.
- Stainless belt clip.



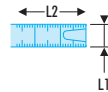
FACOM	E [mm]	H [mm]	L [mm]	L1 [mm]	L2 [m]	Rigidity Max Horizontal [m]	$\Delta\Delta$ [g]
897A.319	40	61,6	65	19	3	1,7	14
897A.528	54	71,2	74	28	5	3,1	33
897A.828	54	80,5	83,5	28	8	3,1	48

ABS SERIES

893B - ABS body tape measure



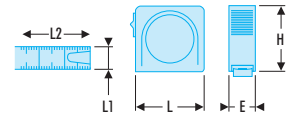
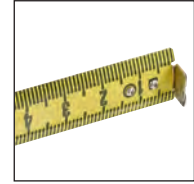
- Ergonomic, ABS material.
- Tape with mat anti-reflection nylon tape.
- High strength tape.
- High strength cover hook:
 - 2 rivets with stainless steel stiffening plate on 2 and 3 m.
 - 3 rivets with stainless steel stiffening plate on 5 and 8 m.
- Double-sided printed tape for use as a rule.



	E [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]
893B.213	31	59,2	60	16	2
893B.319	35,2	59,2	60	16	3
893B.519	35,2	65,1	70	19	5
893B.825	42,1	78,1	80	25	8

METAL SERIES

Stainless body 2 meter tape measures



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

	A [mm]	E [mm]	H [mm]	L1 [mm]	L2 [m]	ΔΔ [g]
800A.216	50	21,4	50	16	2	90

EXPORT SERIES MM AND INCH (NOT FOR SALE IN FRANCE)

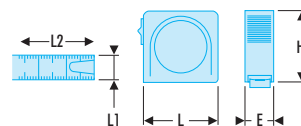
METRIC AND INCH EXPORT TAPE

- 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.



ABS body tape measure - mm and inches

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

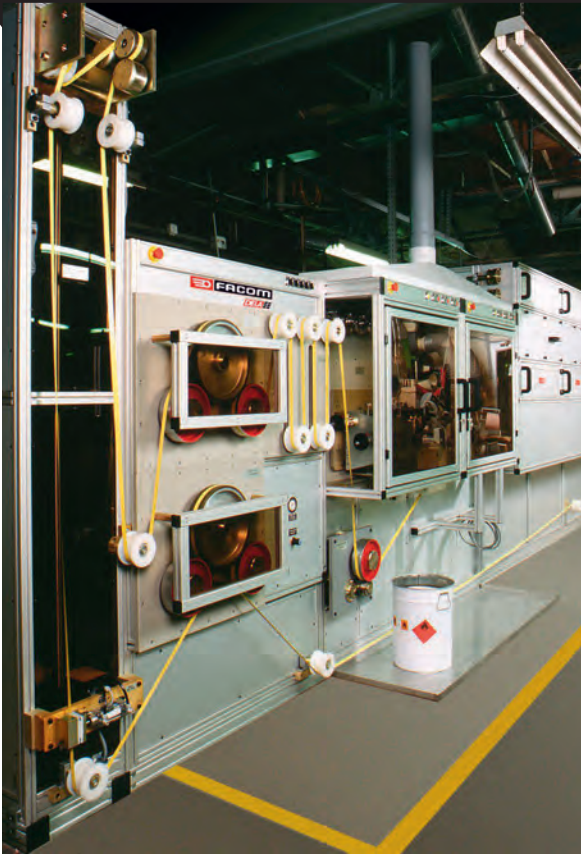


	E [mm]	H [mm]	L1 [mm]	L2 ["]	L2 [m]	ΔΔ [g]
DELA.35.00EX	33	62	16	10	3	345



TAPE TREATED ANTICORROSION CLASS I

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.

CORROSION RESISTANT STEEL TAPE



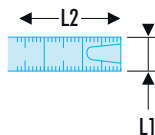
Definition of class I

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.

■ Cutout body tape measure 20 m



- 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.

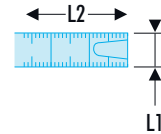


	L1 [mm]	L2 [m]	$\Delta\Delta$ [g]
DELA.62881.02C	13	20	420

TAPE TREATED ANTICORROSION CLASS II

■ 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.



	L1 [mm]	L2 [m]	ΔΔ [g]
DELA.2883.04	13	50	240

LEVELS

ENGINEERS LEVELS

■ Two-vial level

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

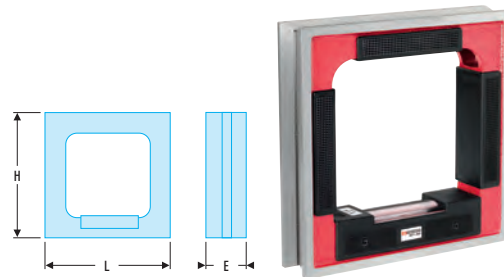


	L [mm]	ΔΔ [g]
DELA.3151.01	200	400

■ 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.



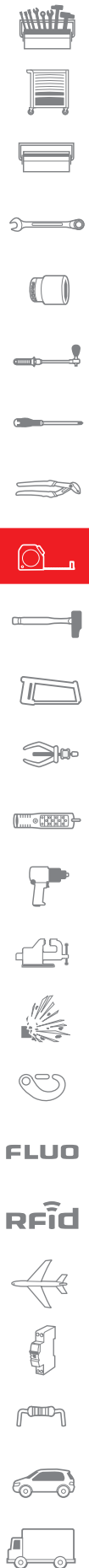
	E [mm]	H [mm]	L [mm]	ΔΔ [kg]
3071.200	42,5	200	200	4,300

■ DELA.3180 - Round laid levels

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



	d [mm]	ΔΔ [g]
DELA.3180.03	30	20
DELA.3180.05	50	80



ENGINEERS LEVELS

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.



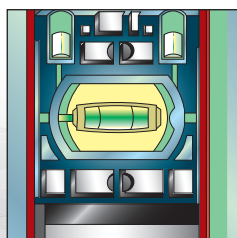
ED	H [mm]	L [mm]	L1 [mm]	ΔΔ [kg]
3067.200	42,5	200	40	1,620
3067.300	47,0	300	50	2,580

LEVELS

Easy-to-use, professional grade tools!

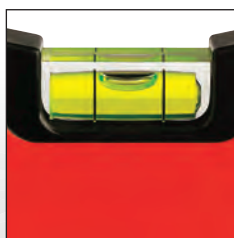
Accuracy

- 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.



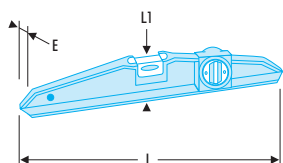
TRAPEZOIDAL LEVELS

307BM - Magnetic trapezoidal levels



DIN 877

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



ED	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	500

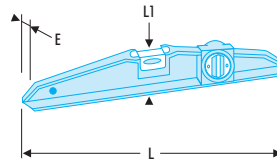
307B - Standard trapezoidal levels

DIN 877

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



Model	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

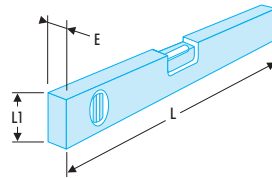
320B - Standard levels, 1 machined sole plate

DIN 877

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



Model	E [mm]	L [mm]	L1 [mm]	ΔΔ [g]
320B.40	21	400	50	96
320B.60	21	600	50	106



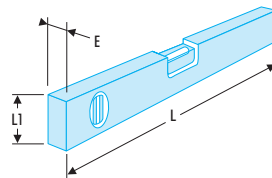
309BM - Magnetic levels

DIN 877

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



Model	E [mm]	L [mm]	L1 [mm]	ΔΔ [g]
309BM.40	21	400	50	300
309BM.60	21	600	50	80



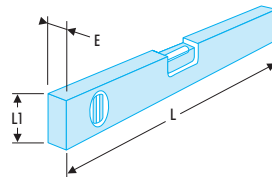
311B - Magnetic levels, 1 machined sole plate

DIN 877

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

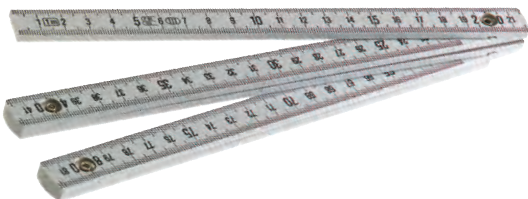


Model	E [mm]	L [mm]	L1 [mm]	ΔΔ [g]
311B.60	25	600	54	184
311B.80	25	800	54	378



SYNTHETIC FOLDING RULE

■ Synthetic blade rule Class III 2 meters - 10 branches



- Recto verso graduation on the 2 edges in mm.
- Clicked branches 90° or 180°.
- Washable.

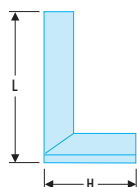
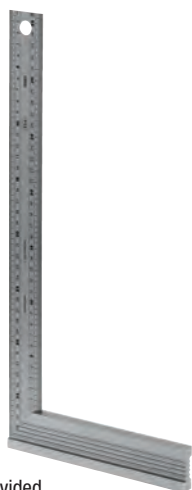


	Width l [mm]	ΔΔ [g]
DELA.401.00	16	105

BUILDERS SQUARES

SQUARES

■ DELA.1223 - Stainless steel joiners squares



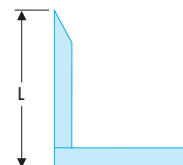
NF E 73-205

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

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

FALSE SQUARES

■ DELA.1208 - Dummy squares and dummy sliding squares



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

	L [mm]	ΔΔ [g]
DELA.1208.02	250	120
DELA.1208.03	300	140

BUILDERS MARKING-OUT

■ Plumb-bob



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



	ΔΔ [g]
DELA.3224.00	125

CHALK LINE REELS

■ **DELA.3298 - Chalk line reels, plum-bob**

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

DE	L [m]	ΔΔ [g]
DELA.3298.15	15	65
DELA.3298.30	30	80



■ **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.

DE	L [m]	ΔΔ [g]
DELA.13299.15	15	125
DELA.13299.30	30	265

■ **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.

DE	L [m]	ΔΔ [g]
DELA.3400.00	30	140

CHALK STICKS

■ **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.

DE	L [mm]	ΔΔ [g]
DELA.3310.00	100	1300



FLUO

RFid