

**Graduated rulers / Scale units / Circumference tapes
Precision tapes / Distance meters**



Accuracy of graduated rulers according DIN 2004/22

Measuring range (mm)	Max. permissible errors (± mm)	
	EC I	EC II
0- 500	0.15	0.40
0- 1000	0.20	0.50
0- 1500	0.25	0.60
0- 2000	0.30	0.70
0- 3000	0.40	0.90
0- 4000	0.50	1.10

Accuracy of graduated rulers according DIN 866 form A/B

Measuring range (mm)	Max. permissible errors (± mm)	
	form A	form B
0- 500	0.04	0.10
0- 1000	0.04	0.10
0- 1500	0.06	0.15
0- 2000	0.06	0.15
0- 3000	0.08	0.20
0- 4000	0.10	0.25
0- 5000	0.12	0.30

C14.000.QCcontrol-20190702

Rulers

- Measuring range: 0 - 3000 mm.
- Graduation: 1 mm.
- Material: bright steel or stainless steel.
- No graduation on first 5 mm at both ends.
- Accuracy and construction according DIN 866 form A.



Dimensions l x w x t/mm	Bright steel		Stainless steel		Wooden case	
	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
500 x 30 x 6	776.280		776.371		776.568	
1000 x 40 x 8	776.281		776.366		776.468	
1500 x 40 x 8	776.282		776.289		776.561	
2000 x 50 x 10	776.283		776.399		776.562	
3000 x 50 x 10			776.369			

Rulers

- Measuring range: 0 - 4000 mm.
- Graduation: 1 mm.
- Material: bright steel or stainless steel.
- Zero coincides with left end.
- Accuracy and construction according DIN 866 form B.



Dimensions l x w x t/mm	Bright steel		Stainless steel		Wooden case	
	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
500 x 25 x 5	776.270		776.276		776.568	
1000 x 30 x 6	776.271		776.277		776.468	
1500 x 30 x 6	776.272		776.360		776.561	
2000 x 40 x 8	776.273		776.373		776.562	
3000 x 40 x 8	776.274		776.357			
4000 x 50 x 10			776.410			

Rulers

Rulers with beveled edge for parallax-free reading.

- Measuring range: 0 - 2000 mm.
- Graduation: 1 mm.
- Accuracy according DIN 866 form B.
- Bright steel or stainless steel.
- Zero coincides with left end.



Dimensions l x w x t/mm	Bright steel		Stainless steel		Wooden case	
	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
500 x 30 x 6	776.416		776.250		776.568	
1000 x 40 x 8	776.417		776.251		776.468	
1500 x 40 x 8	776.398		776.252		776.561	
2000 x 50 x 10	776.418				776.562	

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Rulers

Rulers with beveled edge for parallax-free reading.

- Measuring range: 0-2000 mm.
- Graduation: 1 mm.
- Material: bright steel.
- Zero coincides with left end.

NEW



910.217



Item No.	Dimensions l x w x t/mm	Price EUR
910.216	300 x 40 x 5	
910.217	500 x 40 x 5	
910.218	1000 x 40 x 5	
910.219	1500 x 40 x 5	
910.220	2000 x 50 x 5	



Aluminum rulers

- Anodized.
- With mm graduation.



775.590



775.600

Item No.	Dimensions l x w x t/mm	Price EUR
775.590	300 x 35 x 1.5	
775.592	600 x 35 x 1.5	
775.593	1000 x 35 x 1.5	
With handle and magnet:		
775.600	450 x 50 x 3	
775.602	1000 x 50 x 3	



C14.202-QControl-20190702

Stainless steel rulers

- Measuring range: 0 - 3000 mm.
- Graduation: 1 mm.
- No-glare finished stainless steel surface.
- With mm graduation on the upper edge.
- With 0.5 mm graduation on the lower edge.



Item No.	Dimensions <i>l x w x t</i> /mm	Price EUR
With mm/0.5 mm graduation:		
775.300	150 x 15 x 0.5	
775.301	300 x 25 x 1	
775.583	600 x 29 x 1.2	
775.584	1000 x 35 x 1.2	
775.585	1500 x 40 x 2	
775.586	2000 x 40 x 2	
With mm/mm graduation:		
The first 100 mm on the lower edge have a 0.5 mm graduation.		
775.302	600 x 30 x 1.2	
775.303	1000 x 35 x 1.5	
775.304	2000 x 41 x 2	
775.305	3000 x 39 x 3	

Self-adhesive rulers

- Measuring range: 0 - 400 mm.
- Graduation: 1 mm, vernier: 0.1 mm.
- Blue anodized aluminum.
- With self-adhesive back.
- Suitable for positioning on measuring devices and machine elements.

Vernier 0.1 mm

- 10 scale divisions on 9 mm.
- Non-adhesive, furnished with two fixing holes $\varnothing 2.5$ mm.



Item No.	Measuring range/mm	Dimensions <i>l x w x t</i> /mm	Price EUR
775.901	0 - 200	208 x 16 x 0.5	
775.902	0 - 300	308 x 16 x 0.5	
775.903	0 - 400	408 x 16 x 0.5	
775.900	Vernier 0.1 mm	40 x 10 x 0.5	

Stainless steel rulers with L → R or R → L numbering

- Measuring range: 0- 12000 mm.
- Graduation: 1 mm (type B: 0.5 mm).
- No-glare finished stainless steel surface.
- EC class II.
- Etched graduation.
- The rulers up to 4000 mm are conform EC class II.

Available on request:

- with graduation from top to bottom or from bottom to top,
- with different combinations (mm/mm, mm/inch, mm/blanc, etc.),
- with 0-point in the middle.
- Thickness: from 300 mm: 1 mm, from 500 mm: 2 mm.



Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR	Dimensions l x w x t/mm
L → R type A:		R → L type A:		L → R type B:		R → L type B:		
835.120		835.121		835.421		835.422		150 x 13 x 0.5
835.122		835.123		835.298		835.440		200 x 13 x 0.5
835.124		835.125		835.427		835.441		250 x 13 x 0.5
835.126		835.127		835.129		835.442		300 x 13 x 0.5
835.130		835.131		835.354		835.443		500 x 18 x 0.5
835.132		835.133		835.252		835.444		1000 x 18 x 0.5
835.134		835.135		835.428		835.445		1500 x 18 x 0.5
835.136		835.137		835.429		835.446		2000 x 18 x 0.5
835.138		835.139		835.430		835.447		2500 x 18 x 0.5
835.140		835.141		835.431		835.448		3000 x 18 x 0.5
835.142		835.143		835.432		835.449		3500 x 18 x 0.5
835.144		835.145		835.433		835.450		4000 x 18 x 0.5
835.146		835.147		835.413		835.451		5000 x 18 x 0.5
835.148		835.149		835.434		835.452		6000 x 18 x 0.5
835.150		835.151		835.035		835.453		7000 x 30 x 1
835.152		835.153		835.435		835.454		8000 x 30 x 1
835.154		835.155		835.436		835.455		9000 x 30 x 1
835.156		835.157		835.437		835.456		10000 x 30 x 1
835.158		835.159		835.438		835.457		11000 x 30 x 1
835.160		835.161		835.439		835.458		12000 x 30 x 1



Type A: mm/mm (bottom and top side 1 mm graduation).

Type B: 0.5 mm/1 mm (top side 0.5 mm, bottom side 1 mm graduation).

Rulers with a self-adhesive back

Item No.	Additional costs	Price EUR
835.165	For rulers up to 1000 mm (price per piece) For rulers from 1000 mm (price per meter)	

The self-adhesive back is *not* separately available.



With 0-point in the middle

Item No.	Dimensions l x w x t/mm	Price EUR
835.266	200 x 13 x 0.5	

Other sizes are also available.

C14.305-QControl-20190702

Rulers

Stainless steel rulers with laser engraving

- With mm/mm graduation from left to right.
- Graduation: 1 mm.
- With identification number.
- EC class I.



835.462



835.473

Stainless steel rulers with magnet inserts

- Graduation from left to right.
- Laser engraving.
- With 2 flat edges without hanger hole.
- Graduation on front and back side.
- Graduation: front side: 1 mm, 0.5 mm, back side: 1/32", 1/64".
- With removeable magnet inserts.
- EC class II.

Rulers (black) with laser engraving

- Graduation on front and back side.
- Graduation: front side: 1 mm, 0.5 mm, back side: 1/10", 1/16", 1/20", 1/32", 1/64", 1/50", 1/100".
- EC class II.



835.466

Stainless steel rulers with 90° anvil hook

- Graduation from left to right.
- Etched graduation.
- Graduation: front side: 1 mm, back side: 0.5 mm.
- EC class II.



835.476



Item No.	Dimensions l x w x t/mm	Material	Class	Price EUR
Stainless steel rulers with laser engraving:				
835.096	150 x 13 x 0.5	No-glare finished stainless steel surface	EC class I	
835.459	300 x 13 x 0.5	No-glare finished stainless steel surface	EC class I	
835.460	500 x 20 x 0.5	No-glare finished stainless steel surface	EC class I	
835.461	1000 x 20 x 0.5	No-glare finished stainless steel surface	EC class I	
835.462	300 x 30 x 1.0	No-glare finished stainless steel surface	EC class I	
835.463	500 x 30 x 1.0	No-glare finished stainless steel surface	EC class I	
835.464	1000 x 30 x 1.0	No-glare finished stainless steel surface	EC class I	
835.465	2000 x 30 x 1.0	No-glare finished stainless steel surface	EC class I	
Rulers (black) with laser engraving:				
835.466	150 x 18 x 0.5	Steel, black surface	EC class II	
835.467	300 x 30 x 1.0	Steel, black surface	EC class II	
835.468	450 x 30 x 1.0	Steel, black surface	EC class II	
835.469	600 x 30 x 1.0	Steel, black surface	EC class II	
835.470	1000 x 30 x 1.0	Steel, black surface	EC class II	
Stainless steel rulers with magnet inserts:				
835.471	150 x 20 x 1.0	No-glare finished stainless steel surface	EC class II	
835.472	300 x 30 x 1.0	No-glare finished stainless steel surface	EC class II	
835.473	600 x 30 x 1.0	No-glare finished stainless steel surface	EC class II	
835.474	900 x 30 x 1.0	No-glare finished stainless steel surface	EC class II	
835.475	1200 x 30 x 1.0	No-glare finished stainless steel surface	EC class II	
Stainless steel rulers with 90° anvil hook:				
835.476	200 x 13 x 0.5	No-glare finished stainless steel surface	EC class II	
835.477	300 x 13 x 0.5	No-glare finished stainless steel surface	EC class II	
835.478	500 x 18 x 0.5	No-glare finished stainless steel surface	EC class II	

Digital horizontal scale units

These scale units are available in two different models. Up to 300 mm the model matches the photo of the 906.403, from 450 mm the photo of the 906.406.

- Measuring range: 0- 1000 mm.
- Resolution: 0.01 mm.
- Repeatability: 0.01 mm.
- mm/inch conversion.
- ABS/INC switchable (from 450 mm).
- On/off switch.
- Reset.
- Preset (from 450 mm).
- Max. measuring speed:
 <500 mm: 1.5 m/s,
 ≥500 mm: 1 m/s.
- Power supply:
 906.400-403: 1 battery type V357,
 906.404-409: 1 battery type CR2032.

Item No.	Measuring range/mm	Accuracy mm	Price EUR
906.400	0- 100	±0.03	
906.401	0- 150	±0.03	
906.402	0- 200	±0.03	
906.403	0- 300	±0.04	
906.404	0- 450	±0.05	
906.405	0- 500	±0.05	
906.406	0- 600	±0.05	
906.408	0- 800	±0.06	
906.409	0- 1000	±0.07	

Options:

- 836.535 Spare battery type V357
- 495.157 Spare battery type CR2032



Digital vertical scale units

- Measuring range: 0- 1000 mm.
- Resolution: 0.01 mm.
- Repeatability: 0.01 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Reset.
- Preset (from 500 mm).
- Max. measuring speed: 1 m/s.
- Power supply:
 1 battery type V357
 (except 906.416-419).

Item No.	Measuring range/mm	Accuracy mm	Price EUR
906.415	0- 100	±0.03	
906.416	0- 150	±0.03	
906.417	0- 200	±0.03	
906.418	0- 300	±0.04	
906.419	0- 450	±0.05	
906.420	0- 500	±0.05	
906.421	0- 600	±0.05	
906.423	0- 800	±0.06	
906.424	0- 1000	±0.07	

Options:

- 836.535 Spare battery type V357
- 495.157 Spare battery type CR2032



906.417

CT6.218-QControl.20180702

Circumference tapes

- Separate graduations for circumference and diameter in mm.
- Vernier: 0.1 mm.
- Bright steel or stainless steel.
- Accuracy according EC class II.
- With measuring report on request.



Bright steel

Item No.	Diameter mm	Circumference mm	Price EUR
835.111	20- 300	60- 950	
835.112	300- 700	940- 2200	
835.113	700-1100	2190- 3460	
835.114	1100-1500	3450- 4720	
835.115	1500-1900	4710- 5980	
835.116	1900-2300	5960- 7230	
835.117	2300-2700	7220- 8500	
835.118	2700-3100	8480- 9760	
835.119	3100-3500	9730-11010	

Stainless steel

Item No.	Diameter mm	Circumference mm	Price EUR
835.101	20- 300	60- 950	
835.102	300- 700	940- 2200	
835.103	700-1100	2190- 3460	
835.104	1100-1500	3450- 4720	
835.105	1500-1900	4710- 5980	
835.106	1900-2300	5960- 7230	
835.107	2300-2700	7220- 8500	
835.108	2700-3100	8480- 9760	
835.109	3100-3500	9730-11010	

Circumference tapes for diameters

Circumference tapes for measuring of diameters.

- Graduation in mm.
- Vernier: 0.02 mm.
- Total tape width: 13 mm.
- Bright steel.
- Accuracy according DIN 866/B.

NEW



Item No.	Diameter mm	Price EUR
910.181	15 - 50	
910.182	50 - 300	
910.183	300 - 600	
910.184	600 - 900	
910.185	900 - 1200	
910.186	1200 - 1500	
910.187	1500 - 1800	
910.188	1800 - 2100	
910.189	2100 - 2400	
910.190	2400 - 2700	
910.191	2700 - 3000	



C14.205-QControl-20180702

Laser distance meters

With these compact hand laser distance meters you aim a visual laser spot at the object for quick and accurate measurements of the distance without contact.

- Measuring range: 0-80 m.
- Resolution: 0.001 m/0.01 m.
- Accuracy: ± 2 mm.
- Distance, surface and volume measurements, continuous measurements, addition and subtraction, min/max function and Pythagoras function.
- mm/inch/ft conversion.
- Illuminated LCD display.
- On/off switch, automatic switch-off.
- Measurement reference: front or rear.
- Storage for 99 measuring values.
- With thread for tripod.
- Laser: 635 nm, class II according IEC 60825-1.
- Dimensions: 120x55x30 mm.
- Weight: 909.453: 180 g, 909.454: 128 g.
- Power supply: 2 batteries type AAA.



909.454

Item No.	Measuring range/m	Price EUR
909.453	0-40	
909.454	0-80	
Option:		
497.914	Spare battery	



Precision tapes

Cost effective rubberized precision tapes.

- Yellow varnished steel strip with mm graduation.
- One-sided printed blade.
- Matt finished steel blade.
- EC class II.
- Standard EC-type hook.



910.060



910.057

Item No.	Length m	Tape width mm	Price EUR
910.056	2	16	
910.057	3	16	
910.058	5	19	
910.059	8	25	
910.060	10	25	

Precision tapes

Precision tapes for professional use with double-sided printed blade and double hook with magnet.

- EC class II (except 910.064).
- EC class I (only 910.064).

- Shockproof til 2 m.
- Matt finished steel blade.
- Double-sided printed blade (except 910.064).
- Blade horizontal stand-out:
19 mm: 1.7 m, 27 mm: 2.8 m.
- EC-type magnet dual hook (except 910.064).
- Double lock (except 910.064).
- Delivery with a EC class I declaration of conformity (only 910.064).



910.062



910.062



Item No.	Length m	Tape width mm	Price EUR
910.061	3	19	
910.062	5	27	
910.063	10	27	
EC class I:			
910.064	3	19	

Long stroke precision tape

Long stroke precision tape with blade from fiberglass and with high speed retracting gear.



- Double-sided printed blade.
- Graduation: 2 mm.
- EC class II.



Item No.	Length m	Tape width mm	Price EUR
910.065	30	15	

Long stroke precision tapes

- Black plastic housing with wristlet.

- White varnished steel strip with mm graduation.
- Winding-on handle.
- EC class II.



775.543



Item No.	Length m	Tape width mm	Price EUR
775.540	10	9.5	
775.541	15	9.5	
775.542	20	9.5	
775.543	30	9.5	

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Digital measuring tape

Digital measuring tape equipped with a 19 mm wide tape, which is provided with a clear graduation. The digital indication is convertible from external to internal measurements and can be reset to zero at any point on the tape.

- Measuring range: 0-5 m.
- Resolution: 1 mm.
- Accuracy: $\pm(0.3+0.2L)$ mm (L in m).
- mm/inch conversion.
- Hold function.
- Reversal of display value.
- Automatic stop.
- Convertible for internal/external measurements.
- Storage for 8 measuring values.
- Dimensions: 75 x 70 mm.
- Power supply: 1 battery type CR2032.



Item No.	Length m	Tape width mm	Price EUR
909.341	5	19	
Option: 495.157 Spare battery			

Digital measuring wheel

With this measuring wheel long distance measurements can be done quickly and easily.

- Measuring range: 0- 10000 m.
- Resolution: 0.1 m.
- Accuracy: <0.5%.
- m/ft conversion.
- Wheel size: ϕ 160 mm.
- Display located near handle.
- Adjustable in height.
- Reset.
- Storage for 5 values.
- Weight: 0.8 kg.
- Delivery incl. pouch.
- Power supply: 2 batteries type AAA.
- Measuring range: 103.5 - 500 cm.
- With mm graduation.
- Aluminum model with steel measuring faces.
- With circular spirit level (for vertical use) and horizontal spirit level.
- Delivery in a case.



Item No.	Description	Price EUR
909.518	Digital measuring wheel	
Option: 497.914 Spare battery (2 needed)		

Telescopic scale



Item No.	Description	Price EUR
909.519	Telescopic scale	

