

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



Accuracy of graduated rulers according DIN 866 form A/B		
Measuring range (mm)	Max. permissible errors (µm)	
	form A	form B
0 - 500	40	100
0 - 1000	40	100
0 - 1500	60	150
0 - 2000	60	150
0 - 3000	80	200
0 - 4000	100	250
0 - 5000	120	300

C14.0007-EN-dealer.20110825

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Rulers

- Material: bright steel, stainless steel or chrome finished steel.
- No graduation on first 5 mm at both ends.
- Graduation: 1 mm.
- Accuracy according DIN 866 form A.
- Scale numbering from right to left is available at extra cost.



Dimensions l x w x t/mm	Bright steel		Stainless steel		Chrome finished steel	
	Item No.	Price	Item No.	Price	Item No.	Price
500 x 30 x 6	776.280		776.371		776.372	
1000 x 40 x 8	776.281		776.366		776.377	
1500 x 40 x 8	776.282		776.289		776.402	
2000 x 50 x 10	776.283		776.399		776.403	
3000 x 50 x 10	776.284		776.369		776.378	
4000 x 60 x 12	776.285		776.407		776.404	
5000 x 70 x 14	776.400		776.408		776.405	on request
6000 x 70 x 14	776.401		776.409		776.406	on request

Rulers

- Material: bright steel, stainless steel or chrome finished steel.
- Zero coincides with left end.
- Graduation: 1 mm.
- Accuracy according DIN 866 form B.
- Scale numbering from right to left is available at extra cost.



Dimensions l x w x t/mm	Bright steel		Stainless steel		Chrome finished steel	
	Item No.	Price	Item No.	Price	Item No.	Price
500 x 25 x 5	776.270		776.276		776.390	
1000 x 30 x 6	776.271		776.277		776.391	
1500 x 30 x 6	776.272		776.360		776.392	
2000 x 40 x 8	776.273		776.373		776.393	
3000 x 40 x 8	776.274		776.357		776.394	
4000 x 50 x 10	776.275		776.410		776.412	
5000 x 60 x 12	776.396		776.395		776.413	on request
6000 x 60 x 12	776.415		776.411		776.414	on request

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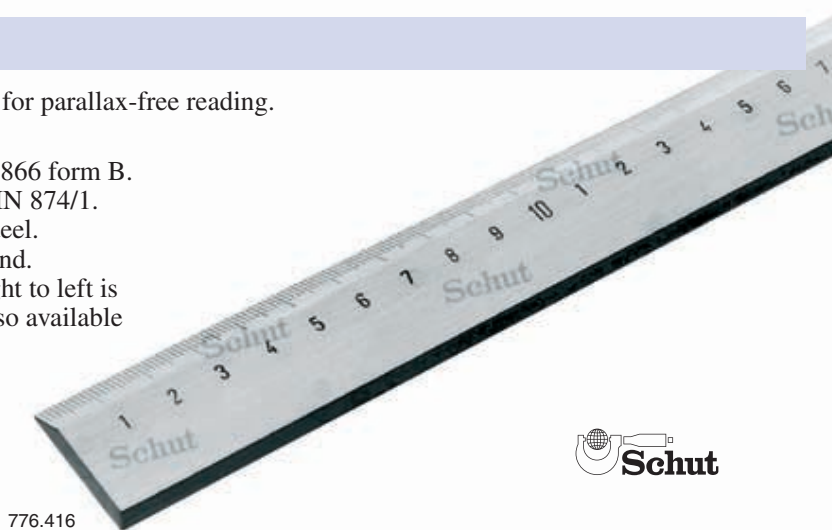
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Rulers

Rulers with beveled edge for parallax-free reading.

- Graduation: 1 mm.
- Accuracy according DIN 866 form B.
- Straightness according DIN 874/1.
- Bright steel or stainless steel.
- Zero coincides with left end.
- Scale numbering from right to left is available at extra cost. Also available without scale numbering.



776.416



Dimensions l x w x t/mm	Bright steel		Stainless steel	
	Item No.	Price	Item No.	Price
500 x 30 x 6	776.416		776.250	
1000 x 40 x 8	776.417		776.251	
1500 x 40 x 8	776.398		776.252	
2000 x 50 x 10	776.418		776.253	
3000 x 50 x 10	776.419		776.254	
4000 x 60 x 12	776.420		776.255	

Hardened and ground rulers

No-glare chrome finished stainless steel.

With mm/0.5 mm graduation

Upper edge: mm graduation, lower edge: 0.5 mm graduation.

Item No.	Dimensions l x w x t/mm	Price
775.300	150 x 15 x 0.5	
775.301	300 x 25 x 1	

With mm/mm graduation

The first 100 mm on the lower edge have a 0.5 mm graduation.

Item No.	Dimensions l x w x t/mm	Price
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	



775.302

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Hardened and polished rulers

- Stainless steel construction.
- With mm graduation on the upper edge.
- With 0.5 mm graduation on the lower edge.

Item No.	Dimensions / x w x t/mm	Price
775.580	150 x 15 x 0.6	
775.581	300 x 23 x 1	
775.582	450 x 28 x 1	
775.583	600 x 28 x 1.2	
775.584	1000 x 33 x 1.2	
775.585	1500 x 39 x 2	
775.586	2000 x 39 x 2	



775.581

Aluminum rulers

- Anodized.
- With mm graduation.

Item No.	Dimensions / x w x t/mm	Price
With slip-stopper:		
775.590	300 x 35 x 1.5	
775.591	450 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	
775.601	600 x 50 x 3	
775.602	1000 x 50 x 3	



775.590



775.600

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

- Measuring range: 0 - 12 000 mm.
- Graduation: 1 mm.
- With mm/mm graduation from left to right or from right to left.
- No-glare finished stainless steel surface.
- 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.



Item No. L → R	Item No. R → L	Dimensions l x w x t/mm	Price
835.120	835.121	150 x 13 x 0.5	
835.122	835.123	200 x 13 x 0.5	
835.124	835.125	250 x 13 x 0.5	
835.126	835.127	300 x 13 x 0.5	
835.130	835.131	500 x 18 x 0.5	
835.132	835.133	1000 x 18 x 0.5	
835.134	835.135	1500 x 18 x 0.5	
835.136	835.137	2000 x 18 x 0.5	
835.138	835.139	2500 x 18 x 0.5	
835.140	835.141	3000 x 18 x 0.5	
835.142	835.143	3500 x 18 x 0.5	
835.144	835.145	4000 x 18 x 0.5	
835.146	835.147	5000 x 18 x 0.5	
835.148	835.149	6000 x 18 x 0.5	

Other sizes and graduations are also available.

Item No. L → R	Item No. R → L	Dimensions l x w x t/mm	Price
835.150	835.151	7 000 x 30 x 1	
835.152	835.153	8 000 x 30 x 1	
835.154	835.155	9 000 x 30 x 1	
835.156	835.157	10 000 x 30 x 1	
835.158	835.159	11 000 x 30 x 1	
835.160	835.161	12 000 x 30 x 1	

Rulers with a self-adhesive back

Item No.	Additional costs	Price
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.

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 ø2.5 mm.

Item No.	Measuring range/mm	Dimensions l x w x t/mm	Price
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	



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Digital horizontal scale units

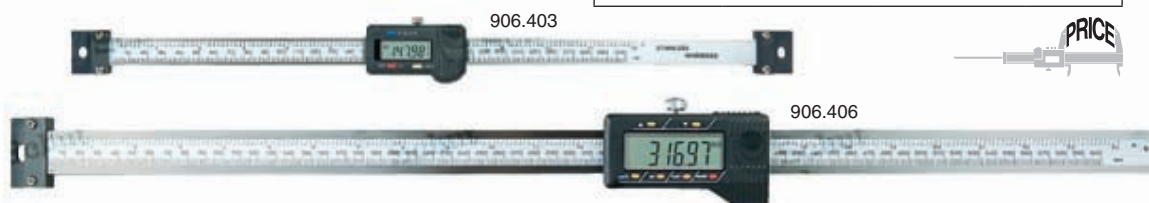
These scale units are available in two different models. Up to 300 mm the model matches the photo of the 906.403, from 450 mm the photo of the 906.406.

- 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.
- Preset (from 450 mm).
- Reset.
- Max. measuring speed:
< 500 mm: 1.5 m/s,
≥ 500 mm: 1 m/s.
- Delivery with mounting material.
- Power supply: 1 battery type V357.

Item No.	Measuring range/mm	Accuracy mm	Price
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	

Option:

836.535 Spare battery



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.
- Max. measuring speed: 1 m/s.
- Delivery with mounting material.
- Power supply: 1 battery type V357.

Item No.	Measuring range/mm	Accuracy mm	Price
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	

Option:

836.535 Spare battery



906.417

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Internal circumference tapes

Circumference tapes to measure the internal circumferences and the average cross-section of round and not-round bores. The surface may be smooth or rough.

- Separate graduations for circumference and diameter in mm.
- Vernier: 0.1 mm.
- Tape width: 20 mm.
- Universal clamp for all types.
- Delivery without clamping jaw.
- Stainless steel construction.
- Accuracy according DIN 866.
- Available up to: diameter 2700 mm.



Item No.	Diameter mm	Circumference mm	Price
852.645	230 - 490	720 - 1550	
852.646	300 - 700	940 - 2200	
852.647	700 - 1100	2190 - 3460	
852.648	1100 - 1500	3450 - 4720	
852.649	Clamping jaw		

Circumference tapes

- Separate graduations for circumference and diameter in mm.
- Vernier: 0.1 mm.
- Bright steel or stainless steel.
- Accuracy according DIN 2768 T1-m.
- With measuring report on request.



835.101

Bright steel

Item No.	Diameter mm	Circumference mm	Price
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
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	

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Rubberized precision tapes Top-Stop



- Rubberized housing for a firm grip.
- Yellow varnished steel strip with mm graduation.
- Stop button on top.
- Comfortable grip.

Item No.	Length m	Tape width mm	Price
775.520	2	13	
775.523	3	16	
775.526	5	19	
775.531	10	25	

Precision tapes Double-Stop



- Chrome colored, plastic housing.
- Yellow varnished steel strip with mm graduation.
- Double stop button.



Item No.	Length m	Tape width mm	Price
775.506	5	19	
775.509	8	25	
775.511	10	25	

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Precision tapes Top-Stop

- Chrome colored, plastic housing.
- Yellow varnished steel strip with mm graduation.
- Stop button on top.

Item No.	Length m	Tape width mm	Price
775.500	2	13	
775.503	3	16	



Long stroke precision tapes

- Black plastic housing with wristlet.
- White varnished steel strip with mm graduation.
- Winding-on handle.

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



Digital measuring wheel

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

- Measuring range: 0 - 10000 m.
- Resolution: 0.1 m.
- Accuracy: $<0.5\%$.
- m/ft conversion.
- Wheel size: $\varnothing 160$ 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.



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



NEW



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Telescopic scale

- 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.



NEW



Item No.	Description	Price
909.519	Telescopic scale	



Ultrasonic distance meters

Digital ultrasonic distance meters for quick and easy measurements of length and height. Also equipped with a laser for object targeting and with calculation functions for sum, surface and volume.

- Measuring range: 0.5 - 20 m.
- Resolution: 0.01 m.
- Accuracy (in still air):
908.776: $\pm 2\%$, 909.137: $\pm 1\%$.
- mm/inch conversion.
- On/off switch.
- Only for use in empty rooms otherwise the signal can be blocked.
- Operating temperature: 908.776: 0 to 50°C,
909.137: 0 to 40°C.
- Power supply: 1 battery type PP3 (9 V).
- Laser class 2 according IEC825-1 and EN60825-1.



Item No.	Measuring range/m	Price
908.776	0.55 - 12	
909.137	0.5 - 20	
Option:		
495.161	Spare battery	



908.776



909.137

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