



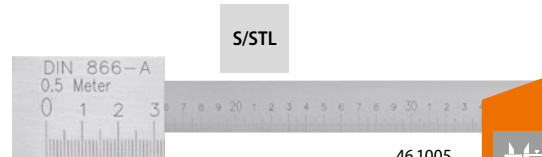
**HOLEX Steel rules with graduations**

- 46 1000/1005 – **Form A:** Vertical edges ground parallel and precisely squared. Flat faces accurately machined. With protective ends at the start and end of the scale. One edge with accurate mm graduations.
- 46 1005/1105 – **Stainless steel** version.
- 46 1100/1105 – **Form B:** Vertical edges ground parallel and precisely squared. Flat faces well finished. With protective end at the end of the scale. One face with accurate mm graduations.

**Note:**  
Size 2000 – Please note **additional carriage charge.**



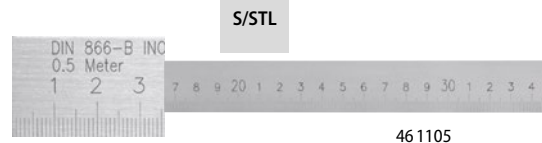
46 1000



46 1005



46 1100



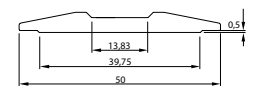
46 1105

Length	mm	500	1000	2000
<sup>42G</sup> 46 1000	Steel rule <b>Form A</b>	31.05	75.42	(194.40)
<sup>42G</sup> 46 1005	Steel rule <b>Form A stainless steel</b>	51.48	113.40	(340.20)
<sup>42G</sup> 46 1100	Steel rule <b>Form B</b>	18.45	35.37	(91.35)
<sup>42G</sup> 46 1105	Steel rule <b>Form B stainless steel</b>	38.61	77.22	(223.20)
Error limit (46 1000, 46 1005)	mm	0.04	0.04	0.06
Error limit (46 1100, 46 1105)	mm	0.1	0.1	0.15
Cross-section width (46 1000, 46 1005)	mm	30	40	50
Cross-section width (46 1100, 46 1105)	mm	24.5	30	40
Cross-section thickness (46 1000, 46 1005)	mm	6	8	10
Cross-section thickness (46 1100, 46 1105)	mm	4.5	6	8



**Garant Workshop straight edge with graduations or both sides, with chamfer**

Made of anodised aluminium alloy, corrosion-resistant. Special sub-surface printing of the anodised aluminium ensures a wipe-proof and scratch-proof scale for years to come. Upper edge with mm graduations. Lower edge with inch graduations.



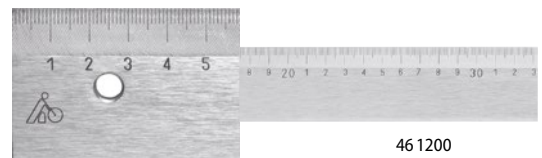
46 1170\_300

Length	mm	300	400	600	1000
<sup>4H</sup> 46 1170	Workshop straight edge with graduations on both sides	17.28	23.13	29.25	43.74
Cross-section width	mm	50			
Cross-section thickness	mm	5			

**HOLEX Workshop straight edge steel, with bevel**

- 46 1200 – With mm graduation on bevel. Of steel, faces finish ground and polished.
- 46 1300 – Without mm graduation. Of steel, faces finish ground and polished.

**Note:**  
Size 2000; 3000 – Please note **additional carriage charge.**



46 1200



46 1300

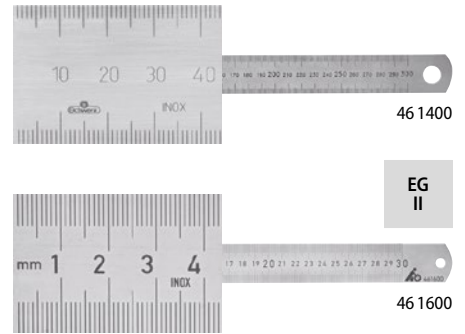
Length	mm	500	1000	2000	3000
<sup>42G</sup> 46 1200	Workshop straight edge of steel with graduations	21.29	44.58	(119.21)	(224.72)
<sup>42G</sup> 46 1300	Workshop straight edge of steel without graduations	11.38	26.40	(81.12)	(178.14)
Cross-section width	mm	40	40	40	50
Cross-section thickness	mm	5	5	5	8

S/STL F10 Cal

### Engineer's precision steel rules

Of special **stainless** clock spring steel with ground measuring edges. Wide version. Upper and lower edges both with mm graduations. Very easy to read due to matt surface and sharp graduation scale.

- 46 1400 – Graduations deeply engraved by laser beam. **High-precision graduations.** Matt surface. Particularly robust and wear resistant. **Individually tested and labelled with identification no.**
- 46 1600 – Graduations electrolytically etched. Matt non-reflective surface.



Length	mm	300	500	1000	1500	2000	3000
46R <b>46 1400</b>	Engineer's precision steel rule stainless, laser-engraved graduations	29.90	44.45	97.61	(129.20)	146.52	(206.91)
42G <b>46 1600</b>	Engineer's precision steel rule stainless, matt finished	7.25	12.96	28.80	44.37	56.70	83.70
Error limit (46 1400)	mm	0.1	0.1	0.15	0.2	0.2	0.3
Error limit (46 1600)	mm	0.4	0.4	0.5	0.6	0.7	0.9
Cross-section width	mm	30					
Cross-section thickness	mm	1					

EG I S/STL F8 Cal

### Garant Engineer's precision steel rules

Made of **stainless** spring steel. Smooth surface with very precise and sharp contrast graduations. Very high accuracy and clear definition for legibility of the scale. Upper edge with 1/2 mm graduations. Lower edge with 1 mm graduations.

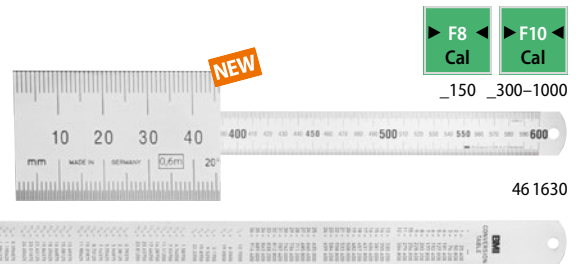


Length	mm	100	150	200	300	500
41H <b>46 1770</b>	Steel rule, stainless	1.85	2.43	3.12	3.83	7.34
Cross-section width	mm	13	13	13	13	18
Cross-section thickness	mm	0.5				

EG I S/STL

### BMI® Engineer's precision steel rules

Made of **stainless steel**, matt surface with sharp-contrast graduations. Upper edge mm graduations, lower 1/2 mm graduations. Rear with inch/metric conversion table and table of tapping drill Ø.



Length	mm	150	300	600	1000
46R <b>46 1630</b>	Steel rule, stainless	6.98	10.69	25.05	47.62
Error limit	mm	0.12	0.13	0.16	0.2
Cross-section width	mm	18	30	30	30
Cross-section thickness	mm	0.5	1	1	1

## Overview of information / error limits



### Error limits to EC Directives 2004/22

Pocket tape measures / steel rules								
Length	m	1	2	3	4	5	8	10
Tolerance EC I	mm	±0.2	±0.3	±0.4	±0.5	±0.6	±0.9	±1.1
Tolerance EC II	mm	±0.5	±0.7	±0.9	±1.1	±1.3	±1.9	±2.3

Folding rules				
Length	m	1	2	3
Tolerance EC II	mm	±0.5	±0.7	±0.9
Tolerance EC III	mm	±1.0	±1.4	±1.8

EG  
II

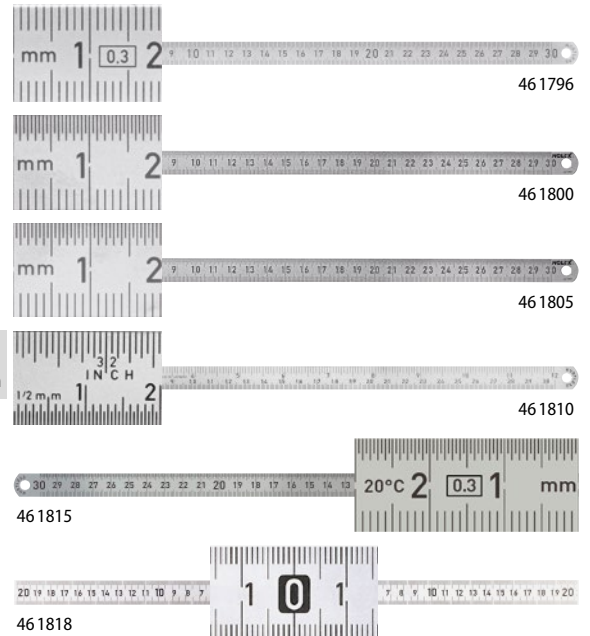
S/STL

F8  
Cal

## HOLEX Flexible steel rules narrow

Made of **stainless** spring steel. Clean, electrolytically applied, black graduations and figures with smooth surface. Easy-to-read. Rounded edges to prevent injuries.

- 46 1796 – Upper and lower edges both with 1 mm graduations.
- 46 1805 – With additional scale on the rear.
- 46 1810 – Upper edge with inch graduations. Lower edge with mm graduations.
- 46 1815 – Upper edge with ½ mm graduations, lower edge with 1 mm graduations. **Scale from right to left.**
- 46 1818 – Upper and lower edges both with 1 mm graduations. **Scale from zero mid-point.**
- 46 1800/1805 – Upper edge with ½ mm graduations, lower edge with 1 mm graduations.



Overall length	mm	100	150	200	300	500	1000
<sup>42G</sup> 46 1796	Flexible steel rule narrow, stainless <b>mat finished</b>	–	1.72	1.99	2.55	5.00	16.97
<sup>42G</sup> 46 1800	Flexible steel rule narrow, stainless <b>mat finished with graduations on rear</b>	1.60	1.72	2.03	2.51	5.00	16.70
<sup>42G</sup> 46 1805	Flexible steel rule narrow, stainless <b>mat finished with graduations on rear</b>	–	2.69	3.29	4.73	–	–
<sup>42G</sup> 46 1810	Flexible steel rule narrow, stainless <b>mat finish with mm/inch graduations</b>	–	1.72	1.99	2.51	4.91	16.70
<sup>42G</sup> 46 1815	Flexible steel rule narrow, stainless <b>matted, scale from right to left</b>	–	–	–	24.75	46.98	63.18
<sup>42G</sup> 46 1818	Flexible steel rule narrow, stainless <b>matted, scale from zero mid-point</b>	–	–	–	24.75	46.98	63.18
Cross-section width	mm	13	13	13	13	18	18
Cross-section thickness	mm	0.5					

mm  
Inch

S/STL

F10  
Cal

## HOLEX Steel rule with sliding clip

Of stainless spring steel. Metric / imperial conversion table on the back. Removable sliding clip can be used as a retainer and as a depth gauge.

Length	mm	150
<sup>42G</sup> 46 1790	Steel rule with sliding clip, stainless	2.47

EG  
II

S/STL

G1  
Cal

## Garant Roll-up steel tape measure

Stainless steel tape with wear-resistant stove-enamelled markings.

46 1992 – With a handy belt clip.

Size 2H; 3H – With hinged hook.

### Function:

46 1830 – Retracts easily at the push of a finger.

46 1992 – **Runs out automatically at the push of a button** and stops when the button is released.

### Advantage:

The convex camber allows the tape to lie **flat** on the desk, so that dimensions can be read and transferred easily and without errors.



The ruler retracts easily at the push of a finger.



46 1830

Band length	mm	500	1000		
<sup>4H</sup> 46 1830	Roll-up steel tape measure	5.99	8.51		
Tape width	mm	19			
Band length	m	2	3	2H	3H
<sup>4H</sup> 46 1992	Steel tape measure "Quickmeter"	6.75	9.41	8.55	11.03
Tape width	mm	16			
Ø	mm	62			
Width	mm	24			



46 1992



46

EG I G1 Cal

### Garant Tape measure, accuracy class 1

A particularly high-quality tape measure with a body of glass fibre-reinforced polyamide and automatic tape return. For perfect grip the contact areas and stop button are coated with **2-component-Santoprene®**. Plain bearings with Teflon ensure smooth action and exceptionally easy running. **Innovative dampers** of special rubber absorb the reaction energy and protect the wrist. **Aluminium profile** inserted on the underside for precise standing. A special clear lacquer protects the tape against wear. The additional anti-glare correction ensures clear visibility under all light conditions.



46 2070\_2

Båndlængde	m	2	3	5
<b>462070</b> Tape measure		11.43	12.78	22.68
Tape width	mm	13	13	16
Body length	mm	62	62	70
Body width	mm	26	26	30
Body height	mm	59	59	69

EG I G1 Cal

### BMI Tape measure, accuracy class 1

A particularly lightweight and handy tape measure for professional use. Body of glass fibre-reinforced polyamide. **With push button for tape lock and automatic return.** Plain bearing of special TRIBOCOMP® material with Teflon ensures **smooth gliding** and exceptionally easy running. Innovative dampers of special rubber absorb the reaction energy and protect the wrist. A special clear lacquer protects the tape against wear. The **additional anti-glare correction** ensures clear visibility under all light conditions.



46 2090\_5

Tape length	m	2	3	5	8	10
<b>462090</b> Tape measure Vario, accuracy class 1		12.63	14.16	25.64	38.41	44.15
Tape width	mm	13	13	16	19	19
Body length	mm	58	58	75	76	76
Body width	mm	26	26	26	32	32
Body height	mm	57	57	70	75	75

EG II G1 Cal

### Garant Tape measures with viewing window

- Shock-resistant plastic casing.
- **Aluminium inlay on both work faces**, giving exact contact surfaces for inside and outside measurement.
- Aluminium profiles resistant to heat and mechanical loads.
- Tape measure stove enamelled, with black characters. Cambered = non-buckling with sliding end hook (for inside and outside measurements). Sharp-contrast, abrasion-resistant rustproof scale.
- Graduations mm / mm (upper / lower edges).
- **Viewing window scale reads in the same direction as the tape.**

46 2201 – Smallest tape measure with viewing window for inside measurements.

46 2215 – With two strong magnets in the base.



46 2201



46 2210



46 2215

Band length	m	2,5
<b>462201</b> Tape measure with viewing window		10.17
Tape width	mm	8
Body length	mm	48
Body width	mm	15
Body height	mm	48

Band length	m	2	3
<b>462210</b> Tape measure with viewing window		9.86	11.03
<b>462215</b> Tape measure with viewing window and magnetic base		–	16.70
Tape width	mm	16	
Body length	mm	63	
Body width	mm	24	
Body height	mm	63	

EG  
IIG1  
Cal

## Garant Tape measure accuracy class 2

A particularly high-quality tape measure with a body of glass fibre-reinforced polyamide and automatic tape return.

For perfect grip the contact areas and stop button are coated with **2-component-Santoprene®**. Plain bearings with Teflon ensure smooth action and exceptionally easy running.

**Innovative damper** of special rubber absorbs the return energy and protects the wrist.

**Aluminium profile inserted** on the underside for precise standing.

A special clear lacquer effectively protects the tape against wear. The additional anti-glare correction ensures clear visibility under all light conditions.

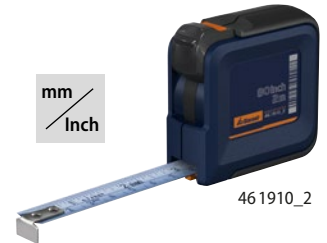
46 1900 – mm graduation

46 1910 – mm/inch graduations

Length	m	2	3	5
<sup>4H</sup> 46 1900	Tape measure	8.91	9.72	17.28
<sup>4H</sup> 46 1910	Tape measure mm/inch	8.91	9.72	17.28
Tape width	mm	13	13	16
Body length	mm	62	62	70
Body width	mm	26	26	30
Body height	mm	59	59	69



461900\_3



461910\_2

mm  
Inch

Aluminium profile on the underside  
for precise standing.



46

EG  
IIG1  
Cal

## BMI Tape measure accuracy class 2

A particularly lightweight and handy tape measure for professional use. Body of glass fibre-reinforced polyamide. **With push button for tape lock and automatic return.** Plain bearing of special TRIBOCOMP® material with Teflon ensures **smooth gliding** and exceptionally easy running. Innovative dampers of special rubber absorb the reaction energy and protect the wrist. A special clear lacquer protects the tape against wear. The **additional anti-glare correction** ensures clear visibility under all light conditions.

46 2122 – Particularly compact and lightweight tape measure - **35% less volume.**

46 2130 – **V2A version** with stainless bright measuring tape.

Tape length	m	2	3/MINI	3	5	8	10
<sup>46M</sup> 46 2120	Tape measure	9.90	–	10.89	19.26	29.30	31.09
<sup>46M</sup> 46 2122	Mini tape measure	–	15.54	–	–	–	–
<sup>46M</sup> 46 2130	Tape measure, stainless	12.23	–	15.44	25.34	32.18	–
Tape width	mm	13	10	13	16	19	19
Body length	mm	58	50	58	75	78	78
Body width	mm	26	22	26	26	32	32
Body height	mm	57	50	57	70	77	77



462122\_3/MINI

462120\_3



462130

### Casing of chromium plated die-cast zinc.

Metal tape black/red printing on white matt.

Particularly **insensitive to heat and mechanical stresses.** With automatic tape return and stop button.

Tape length	m	2	3
<sup>46M</sup> 46 2150	Tape measure white in metal casing	10.65	12.33
Tape width	mm		13
Body length	mm		55
Body width	mm		20
Body height	mm		60

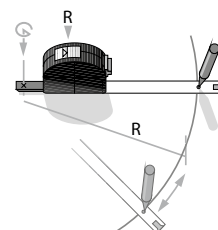


462150

### Function:

1. Length measurement
2. Internal measurement (reading in the viewing window in the same reading direction)
3. Circle measurement (fold-out centring pin for circles up to 6 m Ø).

Tape length	m	3
<sup>46M</sup> 46 2180	Tape measure	12.67
Tape width	mm	16
Body length	mm	65
Body width	mm	25
Body height	mm	65



462180

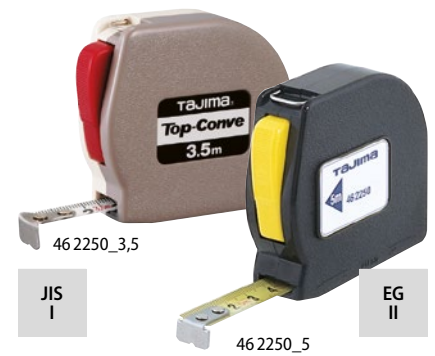




## TAJIMA TopConve tape measure with automatic tape lock

- Automatic tape stop (= locking) when pulling out.
- Tape return by pressing button.
- Sliding end hook.
- Tape measure printed black/red on yellow, acrylic coated for high abrasion resistance  
 Size 3,5; 5,5 – Grey plastic housing with white measuring tape. Accuracy to JIS1.

Band length	m	2	3	3,5	5	5,5
<sup>46R</sup> 46 2250	Tape measure with automatic tape lock TopConve	6.04	8.07	10.75	11.54	14.36
Tape width	mm	13				
Body length	mm	52	65	65	73	73
Body width	mm	22				
Body height	mm	49	61	61	68	68
Error limit	mm	0.7	0.9	0.8	1.3	1



JIS I

EG II

46



## TAJIMA Tape measures extra sturdy

- Tape with particularly high buckling stability.
  - Totally shock-proof plastic housing with removable belt clip.
  - Automatic tape return and stop.
  - Shock absorber reduces load during tape return.
  - Sliding end hook.
  - Tape measure printed black/red on yellow, acrylic coated for high abrasion resistance
  - Long-lasting spring of high grade steel.
- 46 2330 – ■ Additionally with rubberised casing.  
 ■ Tape printed both sides.

Band length	m	2	3	5	5/25	7	10
<sup>46R</sup> 46 2300	Tape measure extra sturdy	6.39	8.61	13.22	16.69	20.30	–
<sup>46R</sup> 46 2330	Tape measure, non-slip casing extra sturdy	9.01	12.03	–	18.07	23.36	28.02
Tape width	mm	13	16	19	25	25	25
Body length	mm	53	63	67	67	77	95
Body width	mm	21	25	28	28	34	45
Body height	mm	49	59	63	63	73	98



## TAJIMA G-Lock tape measure

Your sturdy G-Lock tape measure with **extra-strong protective casing**. Non-slip casing. Sliding end hook secured with 3 rivets. Automatic tape return and stop. Shock absorber reduces the impact at tape return. Easy to read scale on the front and back. Tape measure printed black/red on yellow, acrylic coated for high abrasion resistance. Supplied with belt clip.

46 2338 – with magnetic end hook.

Band length	m	3	5	5/25	7	10
<sup>46R</sup> 46 2335	Tape measure with extra-strong protective casing	17.62	24.45	24.85	29.60	42.87
<sup>46R</sup> 46 2338	Tape measure with extra-strong protective casing, with magnetic end hook	–	–	26.53	–	–
Tape width	mm	16	19	25	25	25
Body length	mm	63	67	67	77	95
Body width	mm	25	28	28	34	45
Body height	mm	59	63	63	73	98



## STANLEY Powerlock tape measure

Tape measure with shock-resistant chromium-plated metal casing. Extra-strong tape with scale of the front and back faces. With locking function and automatic tape return. Tape fully coated with a protective layer for high abrasion resistance. Supplied with belt clip.

Band length	m	3
<sup>46R</sup> 46 2360	Tape measure	11.74
Tape width	mm	12.7
Body length	mm	57
Body width	mm	22
Body height	mm	60



462360

EG  
IIG1  
Cal**HOLEX** Tape measures

Plastic casing with removable belt clip. Automatic tape return and stop, with damping effect. Sliding end hook. Tape measure printed black/red on yellow.

Size 2 – Without black rubber padding.

46 2012 – Sliding end hook with 2 magnets.

46 2014 – Tape measure with mm/inch graduations (upper edge inch, lower edge mm).

Band length		m	2	3	5	8	10
<sup>42G</sup> 46 2010	Tape measure		2.51	2.93	4.45	5.85	8.01
<sup>42G</sup> 46 2012	Tape measure with magnets		–	3.53	5.45	–	–
<sup>42G</sup> 46 2014	Tape measure with mm/inch graduations		–	2.93	4.45	–	–
Tape width		mm	13	16	19	25	25
Body length		mm	65	66	74	80	90
Body width		mm	22	27	31	35	45
Body height		mm	57	59	68	75	90



46 2010\_5



46 2012



46 2014

mm  
Inch

46

EG  
IIG1  
Cal**BMI** Tape measure, inch graduations, accuracy class 2

Sturdy tape mechanism and handy belt clip. Body of impact-resistant ABS plastic with easy-grip soft components for secure handling. **With push button for tape lock and automatic return with damping.** White matt steel tape with black inch and feet graduated markings.

46 2220 – Pocket tape measure with **inch graduations.**

Graduations inch/inch (upper and lower edges).

46 2225 – Pocket tape measure with **mm/inch graduations.**

Graduations inch/mm (upper and lower edges).

Tape length		inch	120	192	312	396
<sup>46M</sup> 46 2220	Tape measure twoCOMP Inch graduations		9.46	13.82	20.49	36.43
<sup>46M</sup> 46 2225	Tape measure mm/inch graduations		9.46	13.82	20.49	36.43
Tape width		mm	16	19	25	30
Body length		mm	60	70	80	88
Body width		mm	60	70	80	88
Body height		mm	32	36	45	45



46 2220\_192



46 2225

EG  
IIG1  
Cal**BMI** White steel tape measure rust-proof

**White steel tape measure enamelled both sides.** Hardened tape, resistant to rust and moisture and abrasion-resistant due to the white synthetic resin coating. Retractable measuring hook (scale starts at inner face of hook). Casing made of impact resistant plastic.

Band length		m	10
<sup>46M</sup> 46 2390	White steel tape measure in a capsule		26.53
Tape width		mm	10
Capsule length		mm	79
Capsule width		mm	20
Capsule height		mm	79



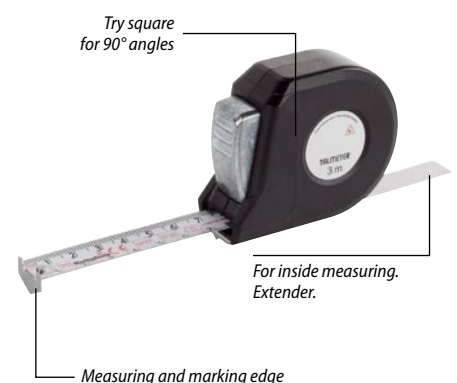
46 2390

EG  
IIG1  
Cal**Hultafors** Marking gauges TALMETER

Function:

- Marking and measuring in one.
- Even for **diameter and circumference measurement.**
- Measuring and marking edge of hardened and stainless spring steel.
- **Black** numbers = external dimensions, **red** numbers = internal dimensions.

Band length		m	2	3
<sup>42G</sup> 46 5690	TALMETER marking gauge		29.34	35.10
Tape width		mm	16	



EG II G1 Cal

## BMI® Measuring tapes in capsule or frame

**Capsule:** Indestructible plastic casing with soft finish surface. Storage is provided in the casing for the crank arm and the pull ring. Can be converted for left-hand use.

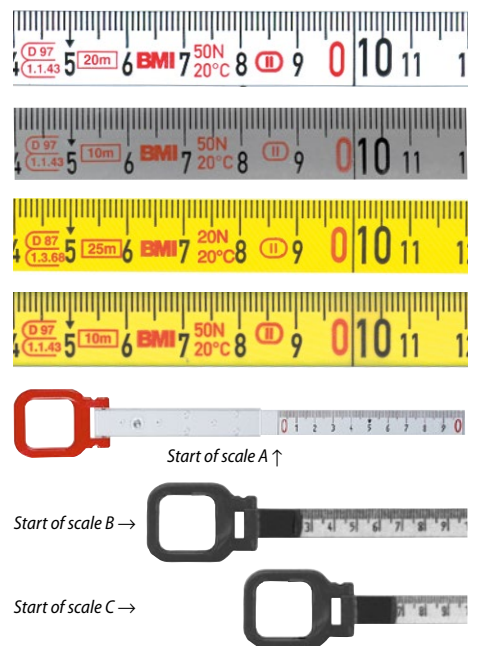
**Frame:** Light metal frame with ball bearing mounted fast winding and folding crank.

- 46 2900–3100/4500–4900 – **Tape:** Patented tape start, **flextop coating**. Tape coating, made of transparent, highly flexible plastic, reliably prevents the tape from breaking at the start.
- 46 2900/4500 – **White steel tape measure.** Hardened tape, phosphated coating provides corrosion resistance, with wear-resistant synthetic resin coating. Good legibility. With mm graduations throughout. Sizes 20 and 30 with straight side pieces, size 50 upwards with Vee side pieces.
- 46 3050/4850 – **Stainless steel tape of hardened chromium-nickel steel, transparently enamelled.** Scale printed with clear, easy-to-read figures and graduations. Break-proof, with good flexibility. With cm graduations (first 20 cm graduated in mm). Sizes 20 and 30 with straight side pieces, size 50 upwards with Vee side pieces.
- 46 3100/4900 – **Polyamide coated steel tape measure.** Break-proof, with good flexibility. Non-buckling spring steel. **High abrasion resistance**, weather-proof and resistant to many chemicals and oils. With mm graduations throughout. Sizes 20 and 30 with straight side pieces, size 50 upwards with Vee side pieces.
- 46 3300/5500 – **Glass fibre tape measure. Extremely buckling-resistant and flexible**, weather-proof, and resistant to many chemicals. **Electrically non-conducting.** Good legibility. With cm graduations (first 20 cm graduated in mm).

**Note:** Versions with 100 m length, or with inch graduations, or with start of scale type B / C available on request.



Band length	m	10	20	30	50
46M 46 2900	White steel tape measure in a capsule	26.14	33.86	43.46	–
46M 46 4500	White steel tape measure in a frame	–	39.60	58.81	72.67
46M 46 3050	Stainless steel tape measure in a capsule	33.66	48.81	63.56	104.94
46M 46 4850	Stainless steel tape measure in a frame	–	61.18	78.01	113.85
46M 46 3100	Polyamide coated steel tape measure in a capsule	31.28	44.35	62.57	–
46M 46 4900	Polyamide coated steel tape measure in a frame	–	57.02	72.07	96.82
46M 46 3300	Glass fibre tape measure in a capsule	25.25	35.15	40.99	–
46M 46 5500	Glass fibre tape measure in a frame	–	–	57.02	–
Tape width	mm	13			
Type of tape start		A			
overall length (46 4500, 46 5500)	mm	–	280	310	340
overall length (46 4850)	mm	–	280	280	310
overall length (46 4900)	mm	–	310	310	390
Capsule length (46 2900, 46 3050)	mm	138	138	175	210
Capsule length (46 3100, 46 3300)	mm	138	175	210	–
Capsule width (46 2900, 46 3050)	mm	115	115	145	175
Capsule width (46 3100, 46 3300)	mm	115	145	175	–
Frame width (46 4500, 46 4850)	mm	–	120	120	150
Frame width (46 4900, 46 5500)	mm	–	150	150	180
Capsule height (46 2900, 46 3050, 46 3100, 46 3300)	mm	32			

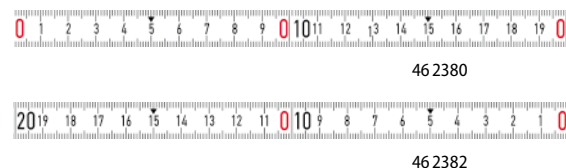


EG II G1 Cal

## BMI® Measuring tapes self-adhesive

White lacquered steel tape measure, corrosion-proof. Wear-resistant, mm graduations. **Ideal for workbenches.** Resistant to oil and chemicals. Tape thickness 0.5 mm.

- 46 2380 – With scale from left to right.
- 46 2382 – With scale from right to left.



Band length	m	2	5	10	15	20
46M 46 2380	Self-adhesive measuring tape	11.68	17.13	29.70	(61.78)	(84.55)
46M 46 2382	Self-adhesive measuring tape with scale from right to left	13.32	20.30	36.73	(76.03)	(119.30)
Tape width	mm	13				





## Measuring tape CJU for measuring external circumferences and $\emptyset$

Steel measuring tape **CJU** for measuring external circumferences and  $\emptyset$  of spherical bodies. The spring steel strip is laser scaled on the front with 2 scales, one for circumference and the other for  $\emptyset$ . Graduations 1 mm. **Vernier reading 0.1 mm**. Scale graduation error limits to DIN 866.

46 5682/5684 – **V2A version** made of stainless spring steel.

### Advantage:

46 5684 – Easy handling and centring capability thanks to broad contact face. Increased stability. Quicker and more reliable measuring.

**Note:** Measuring tapes C with reading 0.05 mm and measuring tapes with black coating available on request.



46 5680



46 5684



maximum total measuring range	mm	950	2200	3460	4720	5980
<sup>46R</sup> <b>46 5680</b>	Steel measuring tape for circumference and $\emptyset$	74.25	90.29	111.38	(137.12)	(164.84)
<sup>46R</sup> <b>46 5682</b>	Stainless steel measuring tape for circumference and $\emptyset$	87.32	112.37	153.45	(192.06)	(233.64)
<sup>46R</sup> <b>46 5684</b>	Stainless steel measuring tape for circumference and $\emptyset$ <b>Tape width 35 mm</b>	(205.92)	(266.31)	(327.69)	(409.86)	(493.02)
Measuring range for $\emptyset$	mm	20 – 300	300 – 700	700 – 1100	1100 – 1500	1500 – 1900
Measuring range for circumferences	mm	60 – 950	940 – 2200	2190 – 3460	3450 – 4720	4710 – 5980
Tape width (46 5680, 46 5682)	mm	16				
Tape width (46 5684)	mm	35				
Tape thickness	mm	0.2				
Scale divisions	mm	0.1				



Leica  
Geosystems

## Laser distance meter DISTO™

Impact resistant plastic casing with easy-to-use keypad with symbols. High quality **Leica glass lens** in an particularly temperature-resistant and sturdy **magnesium casing**. Illuminated and rotating colour display for optimum legibility. Power Range Technologie™ for measurements **up to 150 m without target board**. Laser class 2 tested in accordance with ISO 16331-1.

Size D2 – Small and handy laser distance measuring tool, especially for indoor work.

Size X4SET – **Spatial measurement using P2P technology**. Even for inaccessible points. Dimensioned drawings prepared on the DISTO™ Plan app can be exported as CAD files.

Size X3–X4SET – The **integral 360° inclination sensor** shows the inclination of an object when the casing is placed directly on it, thus permitting indirect height measurement. Multi-function endpiece for measuring from corners. Dustproof, protected against sprayed water by a rubber seal. Sealed, wash-down keyboard. A robust rubber membrane protects the lens and also provides protection if dropped from a small height.

Size X4; X4SET – With **digital target searcher** (4× zoom) for measurements at long distances or in sunshine.

**Supplied with:** Protective holder and wrist strap.

Size D2 – Supplied with 2 batteries No. 081561 size LR3.

Size X4SET – Including stand adapter DST360, stand TRI120 and case.

Size X3–X4SET – Supplied with 2 batteries No. 081561 size LR6.

**Note:** Data transfer via Bluetooth® Smart; also by smartphone using a Leica "DISTO™ Plan" app (Android from version 4.3, Apple from iPhone 4s). Easy generation of sketches.



\_D2



\_X3



\_X4



\_X4SET



Simple creation of dimensioned sketches and inserting dimensioning into a photo using the DISTO Plan app.



Type		D2	X3	X4	X4SET
<sup>47C</sup> <b>46 5550</b>	Laser distance meter DISTO™	193.05	276.21	375.21	(1048.41)
Measuring accuracy	mm	±1.5	±1.0	±1.0	±1.0
Threaded socket for stand	inch	–	1/4 UNC	1/4 UNC	1/4 UNC
multi-function endpiece			yes		
Range	m	100	150	150	150
Addition/subtraction			yes		
Minimum / maximum measurements			yes		
Surface and volume calculations			yes		
indirect measurements (Pythagoras)			yes		
Clinometer	degrees	–	360	360	360
Digital target searcher with zoom		–	–	4 times	4 times
Recall last measurements				yes	
Power supply		081561 LR3	081561 LR6	081561 LR6	081561 LR6
Length	mm	116	132	132	132
Width	mm	44	56	56	56
Height	mm	26	29	29	29
Weight	g	100	184	184	184