



PASSION FOR PRECISION



## THE SOLA BRAND REPRESENTS A PASSION FOR PRECISION.

Our name is synonymous with supreme measuring tools that our customers can rely on to support them in their construction work. As a leading specialist in measuring and marking, we are a powerful partner for every professional, every time.

We emphasise the value of the highest quality and precision not only in our products, but in our services as well.

### We work with professionals, for professionals

- Only a craftsman knows what a craftsman really needs.
- That is why SOLA works closely with professionals to develop new products.
- This results in premium products that pass every test when put into practice.
- Each measuring and marking tool stands out for its ease of use, high degree of robustness and the valuable time it saves professionals in their construction work.

## COMPANY HISTORY



Hall I after extension

## THE ORIGINS

SOLA's story starts in 1949. Engineer Guido Scheyer manufactures the first spirit level - an inclinometer.

## THE BARRACK ERA

In 1958, the production was relocated to a workshop barrack and special measuring devices were added to the product portfolio. The first patents were filed during this period, including the ultrasonic welding of the vial casing.

## BUILDING THE HALL

In 1969, the first factory hall was built at the current address Unteres Tobel. After Hall 1 was extended to 2,040 m<sup>2</sup> the decision was made to add a second hall. In 1980 both factory halls were completed, which amounted to a production surface of 5.500 m<sup>2</sup>.

1949	1958	1969	1999	2004	2011
					
Production of NT4 spirit levels begins.	Production of aluminium spirit levels begins. SOLA becomes the first Austrian company to win the international IF design award.	Own production of vials begins – guaranteeing consistent quality across SOLA measuring tools.	Production of lasers begins.	New generation of spirit levels: with patented, temperature-independent vial.	A world-first: FOCUS vial with readability made four times quicker, more accurate and superior.



Site 1, 2 and 3 in Götzis, Vorarlberg



## VORARLBERG SITE

From our site situated in the heart of Europe, around 75% of our production is exported to over 40 countries worldwide. Our production area has now expanded to incorporate three units, covering an area of 13,000 m<sup>2</sup>.

## RELIABILITY MADE TO MEASURE

SOLA offers a wide range of premium-quality measuring tools for construction professionals. With a product range of more than 1500 items, we support craftsmen across the world in achieving their objectives with higher precision and productivity.

## OUR VALUES AT SOLA

### THE SPECIALIST IN MEASURING AND MARKING IN CONSTRUCTION

We always remain close to our customers: a dedicated innovation team determines the needs of professional craftsmen and develops suitable innovative products on that basis. We use the knowledge and expertise that we have acquired to set standards, such as in spirit levels.

## PASSION FOR PRECISION

### ► PASSION

Our enthusiasm for high-quality measuring tools unites us with our customers. Professional craftsmen value SOLA for the way we continuously develop our products down to the last detail.

### ► PRECISION

Accurate work demands a product of continuously superior quality. You can rely entirely on durable and consistent precision with every SOLA measuring tool.



## RED M AND BIG RED M MAGNETIC SPIRIT LEVELS: THE POWERHOUSE WITH BRAINS!

The two magnetic tubular profile spirit levels RED M and BIG RED M are not only strong, but also very smart. Thanks to an entirely novel lateral magnet installation method, they provide users with convincing advantages during use.

### CONTINUOUS, CLEAN MEASURING SURFACE

The lateral installation method for the magnets into the profile creates a continuously planar measuring surface for precise and sound measuring results. The planar measuring surface is easy to clean, prevents scratches in delicate painted surfaces, and prevents injury from metal cuttings that adhere to the magnets.

### EXCELLENT ADHESIVE FORCE

Owing to the extra-strong neodymium magnets, the RED M and BIG RED M magnetic spirit levels adhere directly to the object to be aligned, whether positioned horizontally or vertically. The craftsman or handyman has both hands free in order to align the component, such as a metal profile or a steel framework. Furthermore, the two models, RED M and BIG RED M, also adhere securely to pipes and to painted or round steel components.

### RELIABLE STABILITY

In drywall installation, a magnetic spirit level is essential for precisely arranging wall or ceiling profiles. Owing to the strong magnetic force, the spirit level remains stably adhered to the profile, even in the event of jarring. Heat likewise does not have any influence on the reliability of the SOLA magnetic spirit levels. Thanks to the lateral installation method, disengaging loss of the magnets in the event of heat generation is not possible.



## CROSSLINE P2 GREEN

### THE SELF-LEVELLING LINE AND POINT LASER WITH REAL GREEN TECHNOLOGY

The Crossline P2 Green is used for precise and easy levelling and transfer tasks in drywall and interior construction. It is ideally suited for tasks like plumbing, levelling, alignment or marking out right angles.

The line and point laser projects a horizontal and a vertical laser line that combine to form a laser cross on the wall with a precise angle of 90°. The light REAL GREEN laser lines allow users to work with considerably more precision and ensure optimal visibility even over large distances. The line and point laser can achieve a range of up to 80 m and can also be used under inadequate lighting conditions if used together with a hand-held receiver.

#### TRANSFERRING PLUMB POINTS

Two centred red plumb points ensure that the reference points are precisely transferred. The Crossline P2 Green line and point laser projects one plumb point on to the floor and one on to the ceiling to help precisely transfer reference markers.

#### TIILT FUNCTION

Thanks to additional features, the Crossline P2 Green can be used for a wide range of applications. The line and point laser can even mark sloping surfaces thanks to its tilt function and the optional inclination adapter. This is perfectly suited for stairs, loft conversions, paintwork and wall mounting.

#### HIGHLIGHTS

- Horizontal and vertical REAL GREEN laser line for optimal visibility of up to 25 m, or of up to 80 m with a receiver
- Centred red plumb points ensure precise transfer of reference markings
- Switchable tilt function for comfortable working even in slanted positions
- Height-adjustable, magnetic wall mount with swivel function and precision adjustment for flexible use on walls and ceilings
- Sturdy housing with IP54 protection



# NEW. INNOVATIVE. STRONG.

## ► RED DIGITAL & REDM DIGITAL DIGITAL INCLINE SPIRIT LEVEL WITH BLUETOOTH

The RED digital incline spirit levels are ideal for use anywhere inclinations, slopes and angles need to be measured quickly and precisely. Equipped with a Bluetooth interface, they can be used with the SOLA Measures App for even more functions.



## ► GO! SMART DIGITAL INCLINOMETER AND PROTRACTOR WITH BLUETOOTH

The digital GO! smart from SOLA combines the functions of a spirit level, an inclinometer and a protractor in a single device. Equipped with a backlit display and a magnetic base with a V-groove, this compact all-rounder has versatile applications. The GO! smart's Bluetooth interface means that it can be used together with the free SOLA Measures app, giving you access to useful additional functions.



## ► METRON 60 BT LASER DISTANCE METER WITH BLUETOOTH

The METRON 60 BT enables measurements up to 60 m with an accuracy of  $\pm 1.5$  mm. The device has nine measuring functions including measured value memory and is suitable for a diverse range of applications. With the integrated Bluetooth interface, measured values can be directly and wirelessly transferred to your smartphone or tablet via the SOLA Measures App.

## NEW APP!



Download the free SOLA Measures app for additional smart functions: Remote control and readings; create photos with real-time data; store, manage and share measurement results.



SOLA Measures

Download on the  
App Store

GET IT ON  
Google Play



## ► PMB/PMR PERMANENT MARKERS

The PMB (black) and PMR (red) permanent markers can be used anywhere. The water-resistant marker pens write reliably on a wide range of surfaces such as glass, metal, wood, plastic, cardboard, electrical cables, labels and so much more, making them the perfect marking tools for all trades and applications.



## ► TLM2 DEEP HOLE MARKER

The practical, mechanical TLM2 deep hole marker marks drill holes quickly and easily to a depth of 45 mm. The screw-on attachment made from ABS plastic means that the deep hole marker can be converted into a retractable pencil for convenient marking, writing and drawing on a wide range of materials and surfaces in a matter of seconds.



## ► CLKS CHALK LINE REEL

The CLKS chalk line reel in lightweight yet sturdy two-component-plastic casing has a 6:1 gear ratio for rapid line retrieval, freewheel function, crank and pinch hook made from reinforced steel and a 30 m tear-resistant polyester chalk line.



## ► DHM WATERPROOF DRILL HOLE MARKER

The DHM drill hole marker is the ideal, waterproof pen for precise and permanent marking of drill holes and indentations and for placing markings in hard-to-access areas up to a depth of 25 mm.

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CHALK LINE REELS

**MARKERS/PENCILS**

MARKERS/PENCILS



**SOLA**®  
PASSION FOR PRECISION



**SPIRIT LEVELS**

## SPIRIT LEVELS



### PROFILE WEIGHT

SOLA spirit levels are always a cut above the rest. This includes the profile weight per meter of at least 500 g/linear meter (500 g/lfm). An absolute must for a spirit level from a respected brand! SOLA spirit levels have a significantly longer lifespan and hold up particularly well under stress.

Inaccuracies due to dropping or deterioration through daily use on a building site are minimised by appropriate wall thickness.

Model	Profile weight
RED/BIG RED	approx. 890 g/lfm
AZ, AZM	approx. 750 g/lfm
I, ID	approx. 650 g/lfm
BIG X	approx. 630 g/lfm
AZB	approx. 590 g/lfm
AV, AVD	approx. 520 g/lfm



### 30-YEAR GUARANTEE PATENTED ULTRASONIC WELDING

SOLA's patented ultrasonic welding ensures the vial doesn't leak. Thanks to our decades of experience and unrivalled expertise, we can provide you with a 30-year guarantee.



### BREAK-RESISTANT ACRYLIC FOCUS VIALS

Since 2011 all SOLA quality spirit levels and screeding levels have been equipped with the patented FOCUS vial. Our FOCUS vials have a significantly higher contrast compared with standard ring vials. This makes it faster to take measurements and achieves more accurate and therefore better results. This has been demonstrated impressively through tests with professional craftsmen throughout Europe. In addition to the unbeatable precision, the FOCUS vials also stand out thanks to their resistance to breakage or deformation. Further quality features: The vial fluid is antistatic and has excellent light resistance.



### UNRIVALLED PRECISION

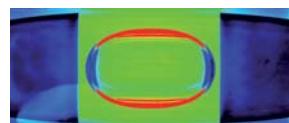
The RED series spirit levels are the most precise in the world. They have a maximum measurement tolerance of 0.3 mm/m (0.017°) for standard measurements and 0.5 mm/m (0.029°) for inverted measurements.



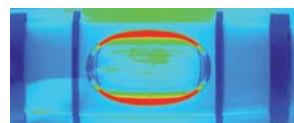
### SIDE MAGNET INSTALLATION

For all magnetic SOLA aluminium profile spirit levels, the neodymium magnets are installed in the side. This provides a seamless measuring surface for clean and precise working with outstanding adhesive force. This means that it is not possible for the magnets to disengage or be lost.

### 4X HIGHER CONTRAST COMPARED TO RING VIALS



SOLA FOCUS vial



Standard ring vials

### +60% MAGNIFICATION LENS FOR FASTER READING



SOLA FOCUS vial



Standard ring vials

### THE AIR BUBBLE DOES NOT SPLIT WHEN SHAKEN



SOLA FOCUS vial



Standard ring vials



Bluetooth®

#### NEW: SOLA MEASURES APP

SOLA Measures is the multifunctional app for all tradespeople and DIY enthusiasts, who want to connect their digital measuring devices like digital SOLA spirit levels, inclinometers or protractors to their smartphone or tablet via Bluetooth.

Simply switch on Bluetooth and in seconds the digital SOLA measuring device is connected with the app on your mobile device. This provides a range of practical additional functions such as remote reading of measured values, remote control of measurement functions, and management and documentation of measured values.

The SOLA Measures App is free of charge and suitable for devices with iOS or Android operating system.



Download on the  
App Store

GET IT ON  
Google Play

#### TAKING MEASUREMENTS WITHOUT DIRECTLY VIEWING THE DISPLAY

When measuring or levelling, each measured value is transferred via the app directly from the SOLA measuring device to the smartphone or tablet in real time. This is ideal for taking measurements where it is difficult or even impossible to view the measuring device's display directly.



#### DOCUMENT MEASURED VALUES

With the SOLA Measures App, measured values can be quickly and easily documented and managed. With each measurement, automatic real-time data such as the date, time and location are recorded in the app's measured value memory. There is also the option of adding notes, photos or videos to the measured values. The measured values including all key data can be easily and quickly shared with the team at any time.



#### PHOTOS WITH REAL-TIME DATA

A useful tool contained in the app is the Foto-Overlay export. With this tool, when you photograph your work or measurement with your smartphone/tablet, the real-time data such as the measured value, date and time are also displayed and stored directly on the photo.



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## BOX BEAM LEVELS

### RED 3

Model	L [cm]	VP	VE	Art. Nr.	EAN
RED 3 60	60	<input type="radio"/>	1	01214801	9002719019268
RED 3 80	80	<input type="radio"/>	1	01215101	9002719019275
RED 3 100	100	<input type="radio"/>	1	01215301	9002719019282

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Highest measuring accuracy in standard and inverted position
- Extra strong aluminium profile with reinforcing ribs for maximum stability
- Shock-absorbing 2-c end caps provide optimum protection against damage



### BIG RED 3

Model	L [cm]	VP	VE	Art. Nr.	EAN
BIG RED 3 120	120	<input type="radio"/>	1	01219401	9002719019039
BIG RED 3 150	150	<input type="radio"/>	1	01219501	9002719019466
BIG RED 3 180	180	<input type="radio"/>	1	01219601	9002719019046
BIG RED 3 200	200	<input type="radio"/>	1	01219701	9002719019053
BIG RED 3 240	240	<input type="radio"/>	1	01219901	9002719019060

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Highest measuring accuracy in standard and inverted position
- Extra strong aluminium profile with reinforcing ribs for maximum stability
- Shock-absorbing 2-c end caps provide optimum protection against damage



#### Technical details:

	RED 3	BIG RED 3
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	epoxy coated	epoxy coated
Colour	red	red
Profile weight	890 g/m	890 g/m
Measuring tolerance standard position	0.30 mm/m (0.017°)	0.30 mm/m (0.017°)
Measuring tolerance inverted measurement	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Number of horizontal vials	1	1
Number of vertical vials	2	2
Measuring surface	epoxy coated	epoxy coated
Handholds	-	2
End caps	2-c	2-c
Dimension	59 x 27	59 x 27

## BOX BEAM LEVELS

## REDM



Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
RedM 3 60	60	4	○	1	01812801	9002719031833
RedM 3 80	80	6	○	1	01813101	9002719031840
RedM 3 100	100	6	○	1	01813301	9002719031857

- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Strong neodymium magnet for a high adhesion force
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Shock-absorbing 2-c end caps provide optimum protection against damage

## BIG REDM



Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
Big RedM 3 120	120	8	○	1	01816401	9002719031864
Big RedM 3 150	150	8	○	1	01816501	9002719031871
Big RedM 3 180	180	10	○	1	01816601	9002719031888
Big RedM 3 200	200	10	○	1	01816701	9002719031895

- Strong neodymium magnet for a high adhesion force
- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Shock-absorbing 2-c end caps provide optimum protection against damage

## Technical details:

	RedM	Big RedM
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	epoxy coated	epoxy coated
Colour	red	red
Profile weight	890 g/m	890 g/m
Measuring tolerance standard position	0.30 mm/m (0.017°)	0.30 mm/m (0.017°)
Measuring tolerance inverted measurement	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Number of horizontal vials	1	1
Number of vertical vials	2	2
Measuring surface	epoxy coated	epoxy coated
Magnet	Neodymium	Neodymium
Handholds	-	2
End caps	2-c	2-c
Dimension	59 x 27	59 x 27

## BOX BEAM LEVELS

AZ

Model	L [cm]	VP	VE	Art. Nr.	EAN
AZ 40	40	<input type="radio"/>	1	01160501	9002719000211
AZ 50	50	<input type="radio"/>	1	01160701	9002719000228
AZ 60	60	<input type="radio"/>	1	01160801	9002719000235
AZ 80	80	<input type="radio"/>	1	01161101	9002719000259
AZ 100	100	<input type="radio"/>	1	01161301	9002719000266
AZ 120	120	<input type="radio"/>	1	01161401	9002719000273
AZ 150	150	<input type="radio"/>	1	01161501	9002719000280
AZ 180	180	<input type="radio"/>	1	01161601	9002719000297
AZ 200	200	<input type="radio"/>	1	01161701	9002719000303



- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Shock-absorbing end caps

AZ 3

Model	L [cm]	VP	VE	Art. Nr.	EAN
AZ 3 80	80	<input type="radio"/>	1	01169101	9002719011323
AZ 3 100	100	<input type="radio"/>	1	01169301	9002719009559
AZ 3 120	120	<input type="radio"/>	1	01169401	9002719009566
AZ 3 150	150	<input type="radio"/>	1	01169501	9002719009573
AZ 3 180	180	<input type="radio"/>	1	01169601	9002719009580
AZ 3 200	200	<input type="radio"/>	1	01169701	9002719009597
AZ 3 250	250	<input type="radio"/>	1	01169901	9002719015543



- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Shock-absorbing end caps

### Technical details:

	AZ	AZ 3
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	gold	gold
Profile weight	750 g/m	750 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1
Number of vertical vials	1	2
Measuring surface	anodized	anodized
End caps	1-c	1-c
Dimension	50 x 24 mm	50 x 24 mm

## BOX BEAM LEVELS

### AZM



Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
AZM 30	30	2	○	1	01820301	9002719040088
AZM 40	40	2	○	1	01820501	9002719040095
AZM 50	50	4	○	1	01820701	9002719040101
AZM 60	60	4	○	1	01820801	9002719040118
AZM 80	80	4	○	1	01821101	9002719040125
AZM 100	100	6	○	1	01821301	9002719040132
AZM 120	120	6	○	1	01821401	9002719040149
AZM 150	150	8	○	1	01821501	9002719040156
AZM 180	180	8	○	1	01821601	9002719040163
AZM 200	200	8	○	1	01821701	9002719040170

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Strong neodymium magnet for a high adhesion force
- Shock-absorbing end caps

### AZM 3



Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
AZM 3 80	80	4	○	1	01823101	9002719040682
AZM 3 100	100	6	○	1	01823301	9002719040699
AZM 3 120	120	6	○	1	01823401	9002719040705
AZM 3 150	150	8	○	1	01823501	9002719040712
AZM 3 180	180	8	○	1	01823601	9002719040729
AZM 3 200	200	8	○	1	01823701	9002719040736

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Strong neodymium magnet for a high adhesion force
- Shock-absorbing end caps

#### Technical details:

	AZM	AZM 3
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	gold	gold
Profile weight	750 g/m	750 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1
Number of vertical vials	1	2
Measuring surface	anodized	anodized
Magnet	Neodymium	Neodymium
End caps	1-c	1-c
Dimension	50 x 24 mm	50 x 24 mm

## BOX BEAM LEVELS

### BIG X

Model	L [cm]	VP	VE	Art. Nr.	EAN
BIG X 30	30	<input type="radio"/>	1	01370301	9002719018094
BIG X 40	40	<input type="radio"/>	1	01370501	9002719015406
BIG X 50	50	<input type="radio"/>	1	01370701	9002719015413
BIG X 60	60	<input type="radio"/>	1	01370801	9002719015420
BIG X 80	80	<input type="radio"/>	1	01371101	9002719015437



- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Shock-absorbing 2-c end caps provide optimum protection against damage
- Very high measuring accuracy in standard and inverted position
- Ergonomic, torsionally rigid aluminium profile for permanently precise measurement results

### BIG X 3

Model	L [cm]	VP	VE	Art. Nr.	EAN
BIG X 3 80	80	<input type="radio"/>	1	01373101	9002719015567
BIG X 3 100	100	<input type="radio"/>	1	01373301	9002719015499
BIG X 3 120	120	<input type="radio"/>	1	01373401	9002719015505
BIG X 3 150	150	<input type="radio"/>	1	01373501	9002719015512
BIG X 3 180	180	<input type="radio"/>	1	01373601	9002719015529
BIG X 3 200	200	<input type="radio"/>	1	01373701	9002719015536



- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Shock-absorbing 2-c end caps provide optimum protection against damage
- Very high measuring accuracy in standard and inverted position
- Ergonomic, torsionally rigid aluminium profile for permanently precise measurement results

#### Technical details:

	BIG X	BIG X 3
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	epoxy coated	epoxy coated
Colour	red	red
Profile weight	630 g/m	630 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1
Number of vertical vials	1	2
Measuring surface	epoxy coated	epoxy coated
End caps	2-c	2-c
Dimension	52 x 25 mm	52 x 25 mm

## BOX BEAM LEVELS

### AZB



Model	L [cm]	VP	VE	Art. Nr.	EAN
AZB 20	20	○	1	01010101	9002719000013
AZB 30	30	○	1	01010301	9002719000020
AZB 40	40	○	1	01010501	9002719000037
AZB 50	50	○	1	01010701	9002719000044
AZB 60	60	○	1	01010801	9002719000051
AZB 70	70	○	1	01010901	9002719000068
AZB 80	80	○	1	01011101	9002719000075
AZB 100	100	○	1	01011301	9002719000082
AZB 120	120	○	1	01011401	9002719000099
AZB 150	150	○	1	01011501	9002719000105
AZB 180	180	○	1	01011601	9002719000112
AZB 200	200	○	1	01011701	9002719000129

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- High-strength aluminum profile for the professional craftsmen
- Shock-absorbing end caps

### AZB 3



Model	L [cm]	VP	VE	Art. Nr.	EAN
AZB 3 80	80	○	1	01013101	9002719009511
AZB 3 100	100	○	1	01013301	9002719009528
AZB 3 120	120	○	1	01013401	9002719009535
AZB 3 150	150	○	1	01013501	9002719009542
AZB 3 180	180	○	1	01013601	9002719008767
AZB 3 200	200	○	1	01013701	9002719008774

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- High-strength aluminum profile for the professional craftsmen
- Shock-absorbing end caps

#### Technical details:

	AZB	AZB 3
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	silver	silver
Profile weight	590 g/m	590 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1
Number of vertical vials	1	2
Measuring surface	anodized	anodized
End caps	1-c	1-c
Dimension	49 x 23 mm	49 x 23 mm

## BOX BEAM LEVELS

AV

Model	L [cm]	VP	VE	Art. Nr.	EAN
AV 30	30	<input type="radio"/>	1	01110301	9002719000310
AV 40	40	<input type="radio"/>	1	01110501	9002719000327
AV 50	50	<input type="radio"/>	1	01110701	9002719000334
AV 60	60	<input type="radio"/>	1	01110801	9002719000341
AV 80	80	<input type="radio"/>	1	01111101	9002719000365
AV 100	100	<input type="radio"/>	1	01111301	9002719000372
AV 120	120	<input type="radio"/>	1	01111401	9002719000389
AV 150	150	<input type="radio"/>	1	01111501	9002719010043
AV 180	180	<input type="radio"/>	1	01111601	9002719010050
AV 200	200	<input type="radio"/>	1	01111701	9002719010067



- » Better, faster and more accurate reading through the patented SOLA FOCUS vials
- » Better readability in dim light through an optimised SOLA luminous backing
- » High measuring accuracy in standard and inverted position
- » Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- » Robust aluminium profile
- » Shock-absorbing end caps

AVD

Model	L [cm]	VP	VE	Art. Nr.	EAN
AVD 40	40	<input type="radio"/>	1	01120501	9002719011354
AVD 60	60	<input type="radio"/>	1	01120801	9002719011378
AVD 80	80	<input type="radio"/>	1	01121101	9002719011385



- » Better, faster and more accurate reading through the patented SOLA FOCUS vials
- » Better readability in dim light through an optimised SOLA luminous backing
- » High measuring accuracy in standard and inverted position
- » Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- » Robust aluminium profile
- » Shock-absorbing end caps

### Technical details:

	AV	AVD
Item description	Box profile spirit level	Box profile spirit level
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	silver	silver
Profile weight	520 g/m	520 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1
Number of vertical vials	1	1
Special characteristic	-	Variable adjustable angle meter in ° and %
Measuring surface	anodized	anodized
End caps	1-c	1-c
Dimension	49 x 21 mm	49 x 21 mm

## BOX BEAM LEVELS

## MRMI



Model	L [cm]	VP	VE	Art. Nr.	EAN
MRMI 40	40	1	01490501	9002719038856	
MRMI 100	100	1	01491301	9002719038863	

- Practical V nut with magnet for a secure hold on pipes and metal surfaces
- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Four-ring vial for incline display of 2% when measuring horizontally
- Centre point scaling for symmetrical measurements
- Printed auxiliary measurements specifically for fitters

## ELECTRIC



Model	L [cm]	VP	VE	Art. Nr.	EAN
Electric	41	1	69057101	9002719034049	

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Stable aluminium C profile with flexible markers
- Very high measuring accuracy in standard and inverted position
- Imprinted graduations in a 1 mm grid
- Special electrician scale allows 4 marks in a standard distance of 71 mm according to DIN 49075
- Plastic spacer prevent the spirit level from sliding while protecting the surface

## Technical details:

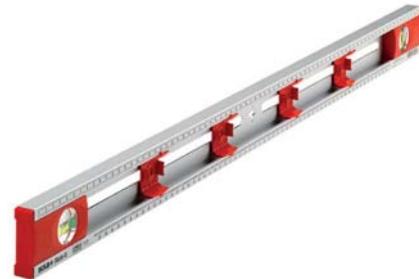
	MRMI	Electric
Item description	Installation spirit level	Marking spirit level
Material	Aluminium	Aluminium
Surface	anodized	epoxy coated
Colour	silver	red
Profile weight	840 g/m	590 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1
Number of vertical vials	1	1
Measuring surface	anodized, V-groove	epoxy coated
Magnet	Neodymium	-
End caps	1-c	1-c
Dimension	49.9 x 24.3 mm	56 x 18 mm

## BOX BEAM LEVELS

### MARK-IT

Model	L [cm]	VP	VE	Art. Nr.	EAN
Mark-It	80		1	69056101	9002719034032

- Stable aluminium C profile with flexible markers
- Break-resistant acrylic block vials with a tightness guarantee of 30 years
- Zero-point and center-point graduations for symmetric measurements
- Quick and easy reading
- Imprinted graduations in a 1 mm grid


**Technical details:**

	Mark-It
Item description	Marking spirit level
Material	Aluminium
Surface	anodized
Colour	silver
Profile weight	590 g/m
Measuring tolerance standard position	0.75 mm/m (0.043°)
Number of horizontal vials	1
Number of vertical vials	1
Measuring surface	anodized
End caps	1-c
Dimension	56 x 18 mm

## DIGITAL LEVELS

## GO! SMART DISPLAY



Model	L [cm]	VP	VE	Art. Nr.	EAN
GO! smart DISPLAY	8	5	01483030	9002719040880	

- Measurement tolerance of Solatronic module:  
0.05° at 0° and 90°  
0.2° between 1° and 89°
- Adjustable inclination display in °, %, mm/m and in/ft
- Bluetooth interface for the SOLA Measures app
- Comfortable reading through a reversible display for inverted measurements
- Practical V nut with magnet for a secure hold on pipes and metal surfaces
- Compact, lightweight, handy

## GO! SMART



Model	L [cm]	VP	VE	Art. Nr.	EAN
GO! smart	8	1	01483001	9002719039549	

- Measurement tolerance of Solatronic module:  
0.05° at 0° and 90°  
0.2° between 1° and 89°
- Adjustable inclination display in °, %, mm/m and in/ft
- Bluetooth interface for the SOLA Measures app
- Comfortable reading through a reversible display for inverted measurements
- Practical V nut with magnet for a secure hold on pipes and metal surfaces
- Compact, lightweight, handy

## Technical details:

	GO! smart DISPLAY	GO! smart
Item description	Inclinometer	Inclinometer
Material	Polyamide, fiber-glass reinforced	Polyamide, fiber-glass reinforced
Surface	-	-
Colour	red	red
Profile weight	-	-
Measuring tolerance standard position	-	-
Measuring tolerance inverted measurement	-	-
Number of horizontal vials	-	-
Number of vertical vials	-	-
Special characteristic	Solatronic module with Bluetooth	Solatronic module with Bluetooth
Measuring surface	Plastic, V-groove	Plastic, V-groove
Magnet	Neodymium	Neodymium
End caps	-	-
Dimension	80 x 55 x 27 mm	80 x 55 x 27 mm
Protection class	IP52	IP52

## DIGITAL LEVELS

### RED DIGITAL

Model	L [cm]	VP	VE	Art. Nr.	EAN
RED 25 digital	25	1	01730201	9002719039938	
RED 60 digital	60	1	01730801	9002719039945	
RED 120 digital	120	1	01731401	9002719039952	

- Measuring tolerance Solatronic module:  
0.05° at 0° and 90°  
0.1° between 1° and 89°
- Bluetooth interface for the SOLA Measures app
- Adjustable inclination display in °, %, mm/m and in/ft
- "Hold" function for storing measured values and for transferring angles
- Comfortable reading through a reversible display for inverted measurements
- Protection class IP65



### REDM DIGITAL

Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
REDM 60 digital	60	3	1	01735801	9002719039969	

- Measuring tolerance Solatronic module:  
0.05° at 0° and 90°  
0.1° between 1° and 89°
- Bluetooth interface for the SOLA Measures app
- Adjustable inclination display in °, %, mm/m and in/ft
- Comfortable reading through a reversible display for inverted measurements
- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Strong neodymium magnet for a high adhesion force



#### Technical details:

	RED digital	REDM digital
Item description	Electronic inclination spirit level	Electronic inclination spirit level
Material	Aluminium	Aluminium
Surface	epoxy coated	epoxy coated
Colour	red	red
Profile weight	890 g/m	890 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Number of horizontal vials	1	1
Number of vertical vials	1	1
Special characteristic	Solatronic module with Bluetooth	Solatronic module with Bluetooth
Measuring surface	epoxy coated	epoxy coated
Magnet	-	Neodymium
End caps	2-c	2-c
Dimension	59 x 27	59 x 27
Protection class	IP65	IP65

## LASER SPIRIT LEVELS

SOLA®

## RED LASER DIGITAL



Model	L [cm]	VP	VE	Art. Nr.	EAN
RED 60 laser digital	60		1	71051001	9002719040620

- Measuring tolerance Solatronic module:  
0.05° at 0° and 90°  
0.1° between 1° and 89°
- Bluetooth interface for the SOLA Measures app
- Adjustable inclination display in °, %, mm/m and in/ft
- "Hold" function for storing measured values and for transferring angles
- Switchable audible signal guidance in difficult visible conditions
- Comfortable reading through a reversible display for inverted measurements

## Included accessories

- 2 x 1.5 V (AAA) batteries

## Optional accessories

- see accessories table

## Technical details:

	RED laser digital
Item description	Laser spirit level with electronic inclinometer and Bluetooth
Material	Aluminium
Surface	epoxy coated
Colour	red
Profile weight	890 g/m
Measuring tolerance standard position	0.25 mm/m (0.014°)
Number of horizontal vials	1
Number of vertical vials	1
Special characteristic	Solatronic module with Bluetooth
Measuring surface	epoxy coated
End caps	1-c + 2-c
Dimension	59 x 27
Protection class	IP65
Power supply	5 x 1.5 V (AAA) batteries
Operating time (at 20 °C)	16 hrs
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	650 nm
Measuring tolerance laser	±0.15 mm/m (0.008°)

## PRECISION SPIRIT LEVELS

HPL

SPIRIT LEVELS

Model	L [cm]	VP	VE	Art. Nr.	EAN
HPL 75	75		1	01711001	9002719030713

- Highest measuring accuracy in standard and inverted position
- Large, extra strong aluminum I profile for maximum stability
- Thanks to highly sensitive precision vials, the smallest deviations are clearly shown
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Integrated handles for a comfortable grip



HPL 3

Model	L [cm]	VP	VE	Art. Nr.	EAN
HPL 3 180	180		1	01713601	9002719030720

- Highest measuring accuracy in standard and inverted position
- Large, extra strong aluminum I profile for maximum stability
- Thanks to highly sensitive precision vials, the smallest deviations are clearly shown
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Integrated handles for a comfortable grip



**Technical details:**

	HPL	HPL 3
Item description	Precision spirit level	Precision spirit level
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	silver	silver
Profile weight	1181 g/m	1181 g/m
Measuring tolerance standard position	0.30 mm/m (0.017°)	0.30 mm/m (0.017°)
Measuring tolerance inverted measurement	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Number of horizontal vials	1	1
Number of vertical vials	1	2
Measuring surface	anodized	anodized
Handholds	2	6
End caps	1-c	1-c
Dimension	100 x 25 mm	100 x 25 mm

## DIE-CAST SPIRIT LEVELS

### M



Model	L [cm]	VP	VE	Art. Nr.	EAN
M 40	40	<input type="radio"/>	1	01330501	9002719000587
M 50	50	<input type="radio"/>	1	01330701	9002719000594
M 60	60	<input type="radio"/>	1	01330801	9002719000600
M 80	80	<input type="radio"/>	1	01331101	9002719000617

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- High measuring accuracy in standard and inverted position
- Heavy, extremely sturdy aluminum die-cast spirit level with a milled measuring surface

### MM



Model	L [cm]	VP	VE	Art. Nr.	EAN
MM 40	40	<input type="radio"/>	1	01331501	9002719011439
MM 60	60	<input type="radio"/>	1	01331701	9002719011446

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- High measuring accuracy in standard and inverted position
- Heavy, extremely sturdy aluminum die-cast spirit level with a milled measuring surface
- Strong neodymium magnet for a high adhesion force

### M 25



Model	L [cm]	VP	VE	Art. Nr.	EAN
M 25	25	<input type="radio"/>	1	01330201	9002719020202

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Extremely sturdy aluminum die-cast spirit level with a milled measuring surface and V-groove for scaffolding and steel pipes

#### Technical details:

	M	MM	M 25
Item description	Die-cast spirit level, trapezoidal shape	Die-cast spirit level, trapezoidal shape	Die-cast spirit level, trapezoidal shape
Material	Aluminum die-cast	Aluminum die-cast	Aluminum die-cast
Surface	epoxy coated	epoxy coated	epoxy coated
Colour	red	red	red
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	1
Measuring surface	milled	milled	milled, V-groove
Magnet	-	Neodymium	-

## DIE-CAST SPIRIT LEVELS

### MM 5 25

Model	L [cm]	VP	VE	Art. Nr.	EAN
MM 5 25	25	<input type="radio"/>	1	01331201	9002719020219

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Very high measuring accuracy in standard and inverted position
- Extremely sturdy aluminum die-cast spirit level with a milled measuring surface and V-groove for scaffolding and steel pipes
- Strong neodymium magnet for a high adhesion force



### MR

Model	L [cm]	VP	VE	Art. Nr.	EAN
MR 40	40	<input type="radio"/>	1	01332501	9002719011392
MR 50	50	<input type="radio"/>	1	01332701	9002719011408
MR 60	60	<input type="radio"/>	1	01332801	9002719011415
MR 80	80	<input type="radio"/>	1	01333101	9002719011422

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- High measuring accuracy in standard and inverted position
- Heavy, extremely sturdy aluminum die-cast spirit level with a milled measuring surface



### MRM

Model	L [cm]	VP	VE	Art. Nr.	EAN
MRM 40	40	<input type="radio"/>	1	01333501	9002719011453
MRM 60	60	<input type="radio"/>	1	01333701	9002719011460

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- High measuring accuracy in standard and inverted position
- Heavy, extremely sturdy aluminum die-cast spirit level with a milled measuring surface
- Strong neodymium magnet for a high adhesion force



Technical details:	MM 5 25	MR	MRM
Item description	Die-cast spirit level, trapezoidal shape	Die-cast spirit level, parallel form	Die-cast spirit level, parallel form
Material	Aluminum die-cast	Aluminum die-cast	Aluminum die-cast
Surface	epoxy coated	epoxy coated	epoxy coated
Colour	red	red	red
Measuring tolerance standard position	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)	0.50 mm/m (0.029°)
Measuring tolerance inverted measurement	0.75 mm/m (0.043°)	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	1
Special characteristic	45° angle vial	-	-
Measuring surface	milled, V-groove	milled	milled
Magnet	Neodymium	-	Neodymium

## I-PROFILE SPIRIT LEVELS



Model	L [cm]	VP	VE	Art. Nr.	EAN
I 30	30	○	1	01250301	9002719000433
I 40	40	○	1	01250501	9002719000440
I 50	50	○	1	01250701	9002719000457
I 60	60	○	1	01250801	9002719000464

- Rugged aluminium I-profile
- Break-resistant acrylic tube vials for a distortion-free visibility
- Shock-absorbing end caps

## I5



Model	L [cm]	VP	VE	Art. Nr.	EAN
I5 30	30	○	1	01254301	9002719008521
I5 40	40	○	1	01254501	9002719008538
I5 50	50	○	1	01254701	9002719008552
I5 60	60	○	1	01254801	9002719008569
I5 80	80	○	1	01255101	9002719008378
I5 100	100	○	1	01255301	9002719008590
I5 120	120	○	1	01255401	9002719008385

- Rugged aluminium I-profile
- Break-resistant acrylic tube vials for a distortion-free visibility
- Integrated 45° angle measure (fixed)
- Shock-absorbing end caps

## ID



Model	L [cm]	VP	VE	Art. Nr.	EAN
ID 40	40	○	1	01256501	9002719000532
ID 60	60	○	1	01256801	9002719000549
ID 80	80	○	1	01257101	9002719000556

- Rugged aluminium I-profile
- Break-resistant acrylic tube vials for a distortion-free visibility
- Variable angle meter with locking device
- Shock-absorbing end caps

### Technical details:

	I	I5	ID
Item description	I-spirit level	I-spirit level	I-spirit level
Material	Aluminium	Aluminium	Aluminium
Surface	anodized	anodized	anodized
Colour	silver	silver	silver
Profile weight	650 g/m	650 g/m	650 g/m
Measuring tolerance standard position	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	1
Special characteristic	-	45° angle vial	Variable adjustable angle meter in °
Measuring surface	anodized	anodized	anodized
End caps	1-c	1-c	1-c
Dimension	58 x 25 mm	58 x 25 mm	58 x 25 mm

## COMPACT SPIRIT LEVELS

### GO! MAGNETIC

Model	L [cm]	VP	VE	Art. Nr.	EAN
GO! magnetic	6.8		10	01621101	9002719034735

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Better readability in dim light through an optimised SOLA luminous backing
- Measuring surface with practical V-groove for pipes
- Compact, lightweight, handy
- Strong neodymium magnet for a high adhesion force


 ★★★★☆  
magnetic

### GO! MAGNETIC CLIP

Model	L [cm]	VP	VE	Art. Nr.	EAN
GO! magnetic CLIP	7.5		5	01621201	9002719034759

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block vials with magnifying lens (+60%) and a 30 year guarantee against leakage
- Strong neodymium magnet for a high adhesion force
- Measuring surface with practical V-groove for pipes
- Compact, lightweight, handy
- Robust steel belt clip for secure hold


 ★★★★☆  
magnetic

### GO!

Model	L [cm]	VP	VE	Art. Nr.	EAN
GO!	6.8		10	01620101	9002719034698

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Break-resistant acrylic block vials with a tightness guarantee of 30 years
- Resistant against water, heat and cold
- Compact, lightweight, handy



Technical details:	GO! magnetic	GO! magnetic CLIP	GO!
Item description	Compact spirit level	Compact spirit level	Compact spirit level
Material	Polyamide, fiber-glass reinforced	Polyamide, fiber-glass reinforced	Polyamide, fiber-glass reinforced
Colour	red	red	red
Measuring tolerance standard position	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1	1
Measuring surface	Plastic, V-groove	Plastic, V-groove	Plastic
Magnet	Neodymium	Neodymium	-
Dimension	68 x 21 x 42 mm	75 x 35 x 45 mm	68 x 21 x 42 mm

## COMPACT SPIRIT LEVELS

sola®

## GO! CLIP



Model	L [cm]	VP	VE	Art. Nr.	EAN
GO! CLIP	7.5		5	01620201	9002719034711

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Break-resistant acrylic block vials with a tightness guarantee of 30 years
- Resistant against water, heat and cold
- Robust steel belt clip for secure hold
- Compact, lightweight, handy

## R 102



Model	L [cm]	VP	VE	Art. Nr.	EAN
R 102	9.5		1	01616101	9002719018759
R 102	9.5		4	01616120	9002719023173
R 102	9.5		10	01616142	9002719027997

- Precise, CNC milled horizontal and vertical vial
- Electrically non-conductive, shatter-proof acrylic glass
- Compact, lightweight, handy
- Resistant against water, heat and cold
- Imprinted graduations in a 5 mm grid
- Transparent

## Technical details:

	GO! CLIP	R 102
Item description	Compact spirit level	Compact spirit level
Material	Polyamide, fiber-glass reinforced	Acrylic glass
Colour	red	transparent
Measuring tolerance standard position	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1
Number of vertical vials	-	1
Measuring surface	Plastic	acrylic glass
Dimension	75 x 35 x 45 mm	49 x 15 mm

## PLASTIC SPIRIT LEVELS

PF

SPIRIT LEVELS



Model	L [cm]	VP	VE	Art. Nr.	EAN
PF 40	40	<input type="radio"/>	1	01412501	9002719037897
PF 50	50	<input type="radio"/>	1	01412701	9002719037903
PF 60	60	<input type="radio"/>	1	01412801	9002719037910
PF 80	80	<input type="radio"/>	1	01413101	9002719037927

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Light weight, warp-free profile form
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- No signs of abrasion on tiles and porcelain stoneware

PHF



Model	L [cm]	VP	VE	Art. Nr.	EAN
PHF 22	22	<input type="radio"/>	6	01412101	9002719037934

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Light weight, warp-free profile form
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- No signs of abrasion on tiles and porcelain stoneware

PTF



Model	L [cm]	VP	VE	Art. Nr.	EAN
PTF 25	25	<input type="radio"/>	6	01412201	9002719037958

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Light weight, warp-free profile form
- Break-resistant acrylic block vials with a magnifying lens (+20%), and a tightness guarantee of 30 years
- No signs of abrasion on tiles and porcelain stoneware
- Measuring surface with practical V-groove for pipes

**Technical details:**

	PF	PHF	PTF
Item description	Plastic spirit level	Potter spirit level	Torpedo spirit level
Material	ABS plastic	ABS plastic	ABS plastic
Colour	red	red	red
Measuring tolerance standard position	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	1
Measuring surface	Plastic	Plastic	Plastic, V-groove
Dimension	53 x 24 mm	45 x 23 mm	40 x 21 mm

## PLASTIC SPIRIT LEVELS

### PT 5



Model	L [cm]	VP	VE	Art. Nr.	EAN
PT 5 20	20		20	01430201	9002719000723
PT 5 20	20		5	01430220	9002719006091

- Compact, lightweight, handy
- Resistant against water, heat and cold
- Break-resistant acrylic tube vials
- Measuring surface with practical V-groove for pipes

### PTM 5



Model	L [cm]	VP	VE	Art. Nr.	EAN
PTM 5 20	20		20	01430601	9002719000747
PTM 5 20	20		5	01430620	9002719006138

- Compact, lightweight, handy
- Resistant against water, heat and cold
- Break-resistant acrylic tube vials
- Magnetic stripe with high strength

### UZ



Model	L [cm]	VP	VE	Art. Nr.	EAN
UZ 8	8		1	01431001	9002719010326
UZ 8	8		5	01431020	9002719001195

- Compact, lightweight, handy
- Resistant against water, heat and cold
- Break-resistant acrylic tube vials
- Practical V-groove

#### Technical details:

	PT 5	PTM 5	UZ
Item description	Torpedo spirit level	Torpedo spirit level	Line spirit level
Material	ABS plastic	ABS plastic	ABS plastic
Colour	red	red	red
Measuring tolerance standard position	1.50 mm/m (0.086°)	1.50 mm/m (0.086°)	-
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	-
Special characteristic	45° angle vial	45° angle vial	-
Measuring surface	Plastic, V-groove	Plastic	Plastic, V-groove
Magnet	-	Magnetic stripe	-
Dimension	37 x 15 mm	37 x 15 mm	24 x 13 mm

## PLASTIC SPIRIT LEVELS

**K 5**



Model	L [cm]	VP	VE	Art. Nr.	EAN
K 5	<b>6</b>	<input type="radio"/>	1	01430901	9002719001218
K 5	<b>6</b>	<input checked="" type="checkbox"/>	5	01430920	9002719001225

- Compact, lightweight, handy
- 2-axis levelling without re-positioning of the spirit level, through t-shaped arrangement of the vials
- Break-resistant acrylic tube vials
- Screw holes for a permanent fixing

**JP**



Model	L [cm]	VP	VE	Art. Nr.	EAN
JP	<b>14</b>	<input checked="" type="checkbox"/>	1	69051501	9002719008453

- Precise and comfortable alignment of pillars and posts
- Rubber strap for fixing to the workpiece
- For round and rectangular cross-sections
- Break-resistant acrylic tube vials

**Technical details:**

	<b>K 5</b>	<b>JP</b>
Item description	Cross spirit level	Post spirit level
Material	ABS plastic	ABS plastic
Colour	red	grey
Number of horizontal vials	2	2
Number of vertical vials	-	1
Measuring surface	Plastic	-
Dimension	45 x 60 mm	9 x 14 mm

## INCLINOMETERS

## NP 121



Model	L [cm]	VP	VE	Art. Nr.	EAN
NP 121	13	<input type="radio"/>	1	01480101	9002719001072

- Compact
- Accurate, adjustable angular dimensions
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Measured values of circular scale:
  1. Angular degrees 4 x 90°
  2. Gradients 0 – 100%
  3. Inclination ratios

## APN



Model	L [cm]	VP	VE	Art. Nr.	EAN
APN 60	60	<input type="radio"/>	1	01480701	9002719016700
APN 100	100	<input type="radio"/>	1	01480901	9002719016717

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Accurate, adjustable angular dimensions
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Measured values of circular scale:
  1. Angular degrees 4 x 90°
  2. Gradients 0 – 100%
  3. Inclination ratios
- Shock-absorbing end caps

## NAM



Model	L [cm]	Magnet [pcs]	VP	VE	Art. Nr.	EAN
NAM 13	14.5	1	<input type="radio"/>	1	01484101	9002719040835
NAM 50	50	4	<input type="radio"/>	1	01484501	9002719040842

- Lateral magnet installation for a seamless measuring surface and maximum protection of the magnet
- Strong neodymium magnet for a high adhesion force
- Accurate, adjustable angular dimensions
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Measured values of circular scale:
  1. Angular degrees 4 x 90°
  2. Gradients 0 – 100%
  3. Inclination ratios
- Shock-absorbing end caps

## Technical details:

	NP 121	APN	NAM
Item description	Inclinometer	Inclination-spirit level	Inclination-spirit level
Material	Aluminium	Aluminium	Aluminium
Surface	anodized	anodized	anodized
Colour	gold	gold	gold
Profile weight	-	650 g/m	650 g/m
Number of horizontal vials	1	1	1
Special characteristic	Circular acrylic disk	Circular acrylic disk	Circular acrylic disk
Measuring surface	anodized	anodized	anodized
Magnet	-	-	Neodymium
End caps	-	1-c	1-c
Dimension	-	50 x 23 mm	50 x 23 mm

Model	L [cm]	VP	VE	Art. Nr.	EAN
APK 100	100		1	01482201	9002719016724

- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Measuring bolt with mm scale and locking screw
- Measurements across pipe flanges is possible
- Simple and precise inclination setting up to 10%
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Shock-absorbing end caps



#### Technical details:

	APK
Item description	Inclination-spirit level
Material	Aluminium
Surface	anodized
Colour	gold
Profile weight	750 g/m
Measuring tolerance standard position	0.50 mm/m (0.029°)
Number of horizontal vials	1
Measuring surface	Measuring bolt
Dimension	50 x 24 mm

## HOSE WATER LEVELS

### S 1012



Model	L [cm]	VP	VE	Art. Nr.	EAN
S 1012	28		5	01450120	9002719000983

- Rapid, precise levelling, even in narrow space situations
- Tubes made of break-resistant acrylic glass
- Immediately ready to use: after the initial filling, no drain required
- Brass-venting valves with seal rings

### SP 10



Model	L [cm]	VP	VE	Art. Nr.	EAN
SP 10	29		5	01450220	9002719001003

- Rapid, precise levelling, even in narrow space situations
- Tubes made of break-resistant acrylic glass
- Immediately ready to use: after the initial filling, no drain required
- Plastic sealing plugs

### S 120



Model	L [m]	VP	VE	Art. Nr.	EAN
S 120	20		1	01452201	9002719001065

- Rapid, precise levelling, even in narrow space situations
- Tubes made of break-resistant acrylic glass
- Immediately ready to use: after the initial filling, no drain required
- Brass-venting valves with seal rings

#### Technical details:

	S 1012	SP 10	S 120
Item description	Tube spirit level	Tube spirit level	Hose water level set
Material	Acrylic glass	Acrylic glass	Acrylic glass/PVC transparent
Colour	transparent	transparent	transparent/red
Special characteristic	-	-	Hose water level S 2012 + hose
Lock	Brass	Plastic	Brass
Graduations	0 - 155 mm	0 - 155 mm	0 - 155 mm
Tube diameter	10/12 mm (1/2")	10/12 mm (1/2")	10/12 mm (1/2")

## HOSE WATER LEVELS

**SCHL**

SPRIT LEVELS

Model	L [m]	VP	VE	Art. Nr.	EAN
SCHL 15	15	<input type="radio"/>	1	22142201	9002719001959
SCHL 20	20	<input type="radio"/>	1	22142301	9002719001966
SCHL 30	30	<input type="radio"/>	1	22142401	9002719005902
SCHL 120	120	<input type="radio"/>	1	22142801	9002719003694

- Extra soft plastic, transparent red
- Fits on all SOLA hose water levels



**Technical details:**

	<b>SCHL</b>
Item description	Hose
Material	PVC transparent
Colour	red
Tube diameter	10/12 mm (1/2")

## SPECIAL VIALS

### DB



Model	Ø [mm]	Sensitivity	VP	VE	Art. Nr.	EAN
DB 12	12	50 arc.min	<input type="radio"/>	1	69213101	9002719010579
DB 14	14	50 arc.min	<input type="radio"/>	1	69213201	9002719010586
DB 15	15	50 arc.min	<input type="radio"/>	1	69213301	9002719010593
DB 18	18	40 arc.min	<input type="radio"/>	1	69213401	9002719010609
DB 20	20	50 arc.min	<input type="radio"/>	1	69213501	9002719009481

- Quick and easy reading
- Comfortable 2-axis levelling without re-positioning of the vial

### DF



Model	Ø [mm]	Sensitivity	VP	VE	Art. Nr.	EAN
DF 30	30	50 arc.min	<input type="radio"/>	1	69214201	9002719009696

- Quick and easy reading
- Comfortable 2-axis levelling without re-positioning of the vial
- Screw holes for a permanent fixing

### F



Model	L [cm]	VP	VE	Art. Nr.	EAN
F 15 OF	15	<input type="radio"/>	1	05091101	9002719030058
F 15 MF	15	<input type="radio"/>	1	05091201	9002719030065

- Precision glass tube vial, shock-proof mounted
- Scale: 1 scale division = 0.7 mm/m (0.04°)
- Adjusting spring for the precise alignment of the vial
- Better readability in dim light through an optimised SOLA luminous backing
- OF: without adjusting spring, MF: with adjusting spring

#### Technical details:

	DB	DF	F
Item description	Bull's-eye vial	Bull's-eye vial	Mounting spirit level
Material	Acrylic glass	Acrylic glass/plastic	Glass/aluminium
Surface	-	-	anodized
Colour	transparent	transparent/black	transparent/gold
Fastening	-	Flange	Screw/adjusting spring
Vial fluid	green	green	colourless

## SPIRIT LEVEL ACCESSORIES

### BAG 25

Model	L [cm]	VP	VE	Art. Nr.	EAN
BAG 25	25	<input checked="" type="checkbox"/>	1	R316157	9002719038924



### BAG

Model	L [cm]	VP	VE	Art. Nr.	EAN
BAG 60	60	<input checked="" type="checkbox"/>	1	R316149	9002719038870
BAG 80	80	<input checked="" type="checkbox"/>	1	R316150	9002719038887
BAG 120	120	<input checked="" type="checkbox"/>	1	R316151	9002719038894
BAG 200	200	<input checked="" type="checkbox"/>	1	R316154	9002719038900
BAG 180	180	<input checked="" type="checkbox"/>	1	R316156	9002719038917



### ST

Model	VP	VE	Art. Nr.	EAN
ST	<input checked="" type="checkbox"/>	1	71116101	9002719009085



#### Technical details:

	BAG 25	BAG	ST
Item description	Belt pouch (Torpedo holster)	Protective pouch for spirit levels (holds 2 levels)	Beam splitter
Material	Synthetic fibre	Synthetic fibre	Plastic
Colour	black	black	black/red
Special characteristic	-	-	magnetic
Dimension	-	-	42 x 26 mm
Levelling	-	-	90° and horizontal plumb beam
Application area	-	-	360°, rotatable

## SPIRIT LEVEL ACCESSORIES

## WP



Model	VP	VE	Art. Nr.	EAN
WP		1	71114101	9002719009078

## NB



Model	VP	VE	Art. Nr.	EAN
NB		1	71118701	9002719012986

## Technical details:

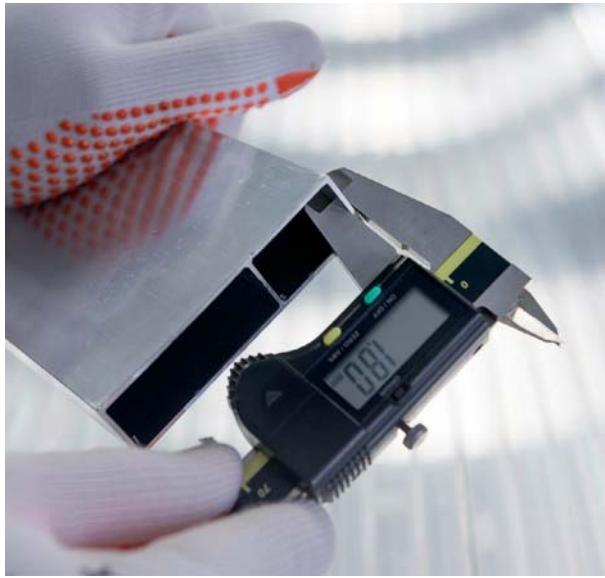
	WP	NB
Item description	Angle Prism	Levelling base
Material	Plastic	Plastic
Colour	black	black
Special characteristic	magnetic	-
Dimension	42 x 26 mm	150 x 81 x 150 mm
Levelling	90° angle	2 thumbscrews
Tripod adapter	-	5/8"
Application area	360°, rotatable	360°, rotatable

**SOLA**®  
PASSION FOR PRECISION



**SCREEDING LEVELS**

## SCREEDING LEVELS



### PROFILE STRENGTH

Branded screeding levels have a profile weight per meter of at least 650 g/linear meter! The profile weight, i.e. the respective wall thickness determines the lifespan of a screeding level. We warn you against screeding levels with lower profile weights! They are not sufficiently robust and resistant.



### DETERIORATION

The screeding of plaster, rough materials and grit causes considerable abrasion. Therefore, the weight and wall thickness of the screeding planks are of great importance in this area of application. Screeding levels with a high weight per meter have a considerably longer lifespan than their lightweight equivalents.



### QUALITY CONTROL

Each individual screeding level is tested and adjusted. Thus, we can guarantee that everything that is stated on the packaging is upheld in reality. A quality screeding level always indicates a maximum measuring tolerance which may not exceed 1.00 mm/m. SOLA screeding levels have a tolerance of 0.50 mm/m to 1.00 mm/m, depending on the model.

## SCREEDING LEVELS



### 30-YEAR GUARANTEE PATENTED ULTRASONIC WELDING

The leak protection is based on the ultrasonic welding of the vials, which we patented in 1969. With more experience and know-how than any other manufacturer in this area, we can make the 30-year guarantee with confidence.



### BREAK-RESISTANT ACRYLIC FOCUS VIALS

Since 2011 all SOLA quality spirit levels and screeding levels have been equipped with the patented FOCUS vial. Compared with standard ring vials our FOCUS vials show a considerable higher contrast. Therefore this allows a better, faster and more accurate reading. This has been proofed impressively through tests with professional craftsmen throughout Europe. In addition to the unbeatable precision, the vials are also distinguished by their resistance to breakage or deformation. The vial fluid is antistatic with a very good UV resistance.



## OVERVIEW SCREEDING LEVELS

### SCREEDING LEVELS

SCREEDING LEVELS WITH VIALS		Measuring tolerance standard position	Measuring tolerance inverted measurement	
SL 2		0.75	1.00	Page 47
SLG 2		0.75	1.00	Page 47
SLGI 2		0.75	1.00	Page 47
SL 1		0.75	-	Page 48
SLG 1		0.75	-	Page 48
SLN 1		0.75	-	Page 48
SLX 2		1.00	-	Page 49
SLXG 2		1.00	-	Page 49
SCREEDING EDGES WITHOUT VIALS				
AL 1008		-	-	Page 50
AL 1009		-	-	Page 50
AL 1007		-	-	Page 50
AL 2605		-	-	Page 51
AL 2606		-	-	Page 51
AL 2607		-	-	Page 51

## SCREEDING LEVELS WITH VIALS

### SL 2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SL 2 100	100	<input type="radio"/>	1	02010101	9002719001348
SL 2 150	150	<input type="radio"/>	1	02010401	9002719001355
SL 2 180	180	<input type="radio"/>	1	02010501	9002719001362
SL 2 200	200	<input type="radio"/>	1	02010601	9002719001379
SL 2 250	250	<input type="radio"/>	1	02010901	9002719001393
SL 2 300	300	<input type="radio"/>	1	02011001	9002719001409



### SLG 2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SLG 2 200	200	<input type="radio"/>	1	02014601	9002719001584
SLG 2 250	250	<input type="radio"/>	1	02014901	9002719001607
SLG 2 300	300	<input type="radio"/>	1	02015001	9002719001614
SLG 2 400	400	<input type="radio"/>	1	02015201	9002719001621



### SLGI 2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SLGI 2 200	200	<input type="radio"/>	1	02014631	9002719020264



#### Technical details:

	SL 2	SLG 2	SLGI 2
Item description	Screeding level	Screeding level	Screeding level
Material	Aluminium box profile	Aluminium box profile	Aluminium box profile
Surface	nature	nature	nature
Colour	nature	nature	nature
Profile weight	870 g/m	870 g/m	870 g/m
Measuring tolerance standard position	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Measuring tolerance inverted measurement	1.00 mm/m (0.057°) to 250 cm	1.00 mm/m (0.057°) to 250 cm	1.00 mm/m (0.057°) to 250 cm
Number of horizontal vials	1	1	1
Number of vertical vials	1	1	1
Handholds	-	2	2 (inliegend)
End caps	1-c	1-c	1-c
Dimension	100 x 18 mm	100 x 18 mm	100 x 18 mm

## SCREEDING LEVELS WITH VIALS

### SL 1



Model	L [cm]	VP	VE	Art. Nr.	EAN
SL 1 100	100	<input type="radio"/>	1	02012101	9002719001416
SL 1 150	150	<input type="radio"/>	1	02012401	9002719001423
SL 1 200	200	<input type="radio"/>	1	02012601	9002719001447
SL 1 250	250	<input type="radio"/>	1	02012901	9002719001454
SL 1 300	300	<input type="radio"/>	1	02013001	9002719001461

- Horizontal vials with a high accuracy
- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Shock-absorbing end caps

### SLG 1



Model	L [cm]	VP	VE	Art. Nr.	EAN
SLG 1 300	300	<input type="radio"/>	1	02017001	9002719001553
SLG 1 400	400	<input type="radio"/>	1	02017201	9002719001560
SLG 1 500	500	<input type="radio"/>	1	02017401	9002719001577

- Horizontal vials with a high accuracy
- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Shock-absorbing end caps
- Integrated handles for a comfortable grip

### SLN 1



Model	L [cm]	VP	VE	Art. Nr.	EAN
SLN 1 100	100	<input type="radio"/>	1	02040101	9002719001478
SLN 1 150	150	<input type="radio"/>	1	02040401	9002719001485
SLN 1 200	200	<input type="radio"/>	1	02040601	9002719001508
SLN 1 250	250	<input type="radio"/>	1	02040901	9002719001515
SLN 1 300	300	<input type="radio"/>	1	02041001	9002719001522

- Horizontal vials with a high accuracy
- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Better readability in dim light through an optimised SOLA luminous backing
- Shock-absorbing end caps
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years

#### Technical details:

	SL 1	SLG 1	SLN 1
Item description	Screeding level	Screeding level	Screeding level
Material	Aluminium box profile	Aluminium box profile	Aluminium box profile
Surface	nature	nature	nature
Colour	nature	nature	nature
Profile weight	870 g/m	870 g/m	770 g/m
Measuring tolerance standard position	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)	0.75 mm/m (0.043°)
Number of horizontal vials	1	2	1
Handholds	-	2	-
End caps	1-c	1-c	1-c
Dimension	100 x 18 mm	100 x 18 mm	80 x 18 mm

## SCREEDING LEVELS WITH VIALS

### SLX 2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SLX 2 150	150	<input type="radio"/>	1	02070401	9002719007951
SLX 2 180	180	<input type="radio"/>	1	02070501	9002719007968
SLX 2 200	200	<input type="radio"/>	1	02070601	9002719007975
SLX 2 250	250	<input type="radio"/>	1	02070901	9002719007982
SLX 2 300	300	<input type="radio"/>	1	02071001	9002719007999



- Horizontal and vertical vial
- High-strength aluminum profile for the professional craftsmen
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Shock-absorbing end caps

SCREEDING LEVELS

### SLXG 2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SLXG 2 200	200	<input type="radio"/>	1	02074601	9002719008422
SLXG 2 250	250	<input type="radio"/>	1	02074901	9002719008439
SLXG 2 300	300	<input type="radio"/>	1	02075001	9002719008446



- Horizontal and vertical vial
- Better, faster and more accurate reading through the patented SOLA FOCUS vials
- High-strength aluminum profile for the professional craftsmen
- Break-resistant acrylic block-vial with a tightness guarantee of 30 years
- Shock-absorbing end caps
- Integrated handles for a comfortable grip

#### Technical details:

	SLX 2	SLXG 2
Item description	Screeding level	Screeding level
Material	Aluminium box profile	Aluminium box profile
Surface	nature	nature
Colour	nature	nature
Profile weight	700 g/m	700 g/m
Measuring tolerance standard position	1.00 mm/m (0.057°)	1.00 mm/m (0.057°)
Number of horizontal vials	1	1
Number of vertical vials	1	1
Handholds	-	2
End caps	1-c	1-c
Dimension	100 x 18 mm	100 x 18 mm

## SCREEDING EDGES WITHOUT VIALS

### AL 1008



Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 1008 200	200	<input type="radio"/>	1	03070601	9002719001645
AL 1008 250	250	<input type="radio"/>	1	03070901	9002719001652
AL 1008 300	300	<input type="radio"/>	1	03071001	9002719001669
AL 1008 400	400	<input type="radio"/>	1	03071201	9002719001683
AL 1008 500	500	<input type="radio"/>	1	03071401	9002719001690

- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Shock-absorbing end caps
- Integrated handles for a comfortable grip

### AL 1009



Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 1009 100	100	<input type="radio"/>	1	03100101	9002719003625
AL 1009 150	150	<input type="radio"/>	1	03100401	9002719001706
AL 1009 200	200	<input type="radio"/>	1	03100601	9002719001713
AL 1009 250	250	<input type="radio"/>	1	03100901	9002719001720
AL 1009 300	300	<input type="radio"/>	1	03101001	9002719001737
AL 1009 400	400	<input type="radio"/>	1	03101201	9002719001751
AL 1009 500	500	<input type="radio"/>	1	03101401	9002719003663
AL 1009 600	600	<input type="radio"/>	1	03101601	9002719003670

- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Shock-absorbing end caps

### AL 1007



Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 1007 100	100	<input type="radio"/>	1	03040101	9002719003267
AL 1007 150	150	<input type="radio"/>	1	03040401	9002719003274
AL 1007 180	180	<input type="radio"/>	1	03040501	9002719003281
AL 1007 200	200	<input type="radio"/>	1	03040601	9002719003298
AL 1007 250	250	<input type="radio"/>	1	03040901	9002719003311
AL 1007 300	300	<input type="radio"/>	1	03041001	9002719003328
AL 1007 350	350	<input type="radio"/>	1	03041101	9002719003335
AL 1007 400	400	<input type="radio"/>	1	03041201	9002719003342
AL 1007 500	500	<input type="radio"/>	1	03041401	9002719003359
AL 1007 600	600	<input type="radio"/>	1	03041601	9002719003366

- High-strength aluminum profile for the professional craftsmen
- Shock-absorbing end caps

#### Technical details:

	AL 1008	AL 1009	AL 1007
Item description	Screeding edge	Screeding edge	Screeding edge
Material	Aluminium box profile	Aluminium box profile	Aluminium box profile
Surface	nature	nature	nature
Colour	nature	nature	nature
Profile weight	870 g/m	870 g/m	670 g/m
Handholds	2	-	-
End caps	1-c	1-c	1-c
Dimension	100 x 18 mm	100 x 18 mm	100 x 18 mm

## SCREEDING EDGES WITHOUT VIALS

### AL 2605

Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 2605 100	100	<input type="radio"/>	1	03190101	9002719002109
AL 2605 120	120	<input type="radio"/>	1	03190201	9002719002116
AL 2605 150	150	<input type="radio"/>	1	03190401	9002719002123
AL 2605 180	180	<input type="radio"/>	1	03190501	9002719002130
AL 2605 200	200	<input type="radio"/>	1	03190601	9002719002147
AL 2605 250	250	<input type="radio"/>	1	03190901	9002719002154
AL 2605 300	300	<input type="radio"/>	1	03191001	9002719002161



- Ergonomic, torsionally rigid aluminium profile

### AL 2606

Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 2606 100	100	<input type="radio"/>	1	03220101	9002719002185
AL 2606 120	120	<input type="radio"/>	1	03220201	9002719002192
AL 2606 150	150	<input type="radio"/>	1	03220401	9002719002208
AL 2606 180	180	<input type="radio"/>	1	03220501	9002719002215
AL 2606 200	200	<input type="radio"/>	1	03220601	9002719002222
AL 2606 250	250	<input type="radio"/>	1	03220901	9002719002239
AL 2606 300	300	<input type="radio"/>	1	03221001	9002719002246



- Ergonomic, torsionally rigid aluminium profile
- Shock-absorbing end caps

### AL 2607

Model	L [cm]	VP	VE	Art. Nr.	EAN
AL 2607 100	100	<input type="radio"/>	1	03240101	9002719037507
AL 2607 150	150	<input type="radio"/>	1	03240401	9002719037514
AL 2607 200	200	<input type="radio"/>	1	03240601	9002719037521



- Ergonomic, torsionally rigid aluminium profile
- Application and removal can be done using just one tool
- Shock-absorbing end caps

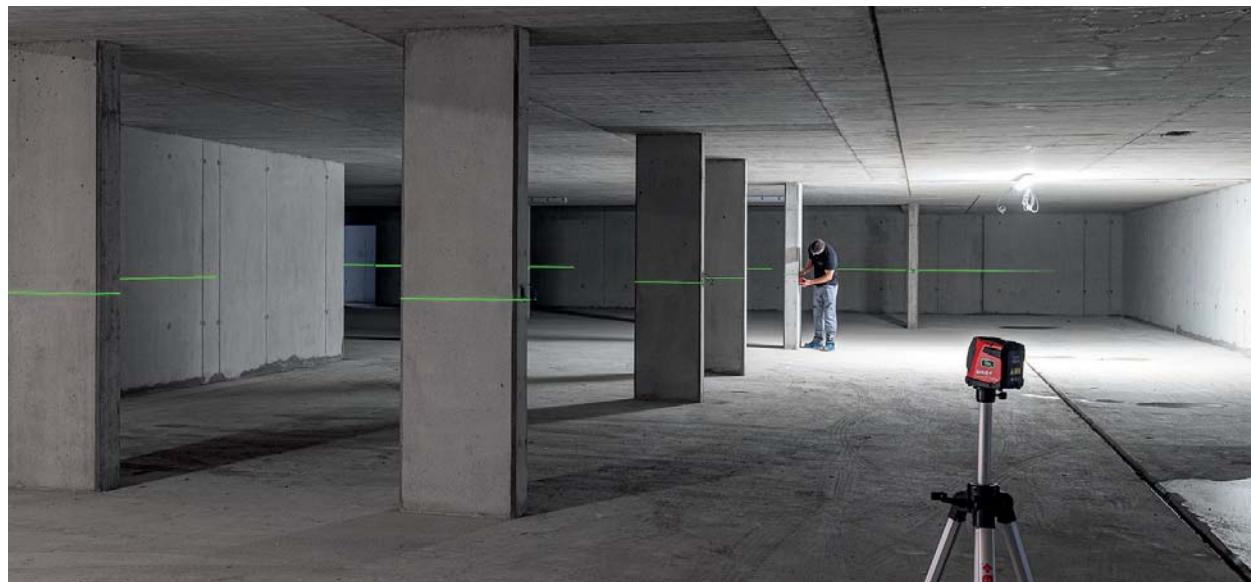
Technical details:	AL 2605	AL 2606	AL 2607
Item description	Screeding edge	Screeding edge	Screeding edge
Material	Aluminium-H-profile	Aluminium trapezium profile	Aluminium combination profile
Surface	nature	nature	nature
Colour	nature	nature	nature
Profile weight	850 g/m	680 g/m	1240 g/m
End caps	-	1-c	1-c
Dimension	113 x 28 mm	98 x 17 mm	140 x 35 mm

## SCREEDING EDGES WITHOUT VIALS

**SOLA**®  
PASSION FOR PRECISION



**LASERS**



**REAL GREEN**  
**REAL. IMPROVED. VISIBLE.**

**GREATER VISIBILITY**

The human eye is not equally sensitive to all colours (wavelengths) of the light spectrum. The wavelength of greenlight shows the best perception of our eyes.

**BRIGHTER AND SHARPER**

The REAL GREEN laser technology produces a sharp line, which allows the user to carry out extremely precise work.

**HIGHER QUALITY**

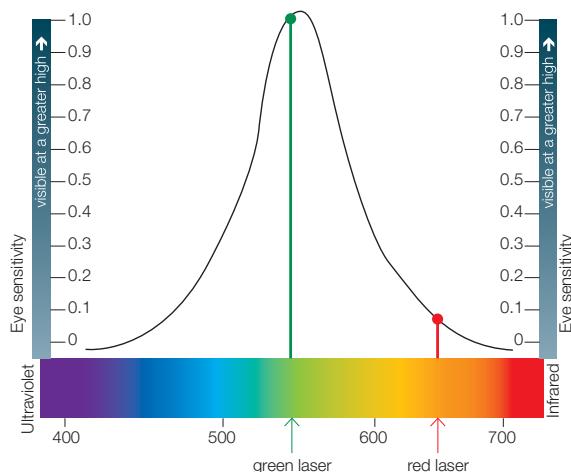
The REAL GREEN laser technology generates laser lines with noticeably fewer speckles. This generates higher-quality laser lines to be generated, which make tasks considerably more comfortable for the user.

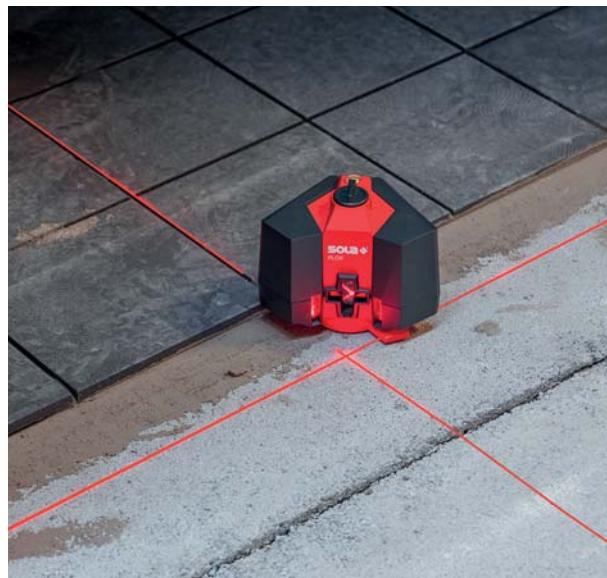


**WAVELENGTHS OF LIGHT**

The human eye is sensitive to light in the wavelength range of about 711 nm (red) to 389 nm (violet). Thus short-wave light or ultraviolet light, as is known, is invisible to us. SOLA laser devices operate in a range of 680 nm (red) to 529 nm (green) and therefore easily visible to the human eye.

**VISIBLE LIGHT SPECTRUM**





## LINE LASERS

The laser point is refracted through a cylindrical lens. Unlike with a point laser, this produces a laser line, creating a precise, continuous and clearly visible reference point for the user. It is possible to create projections of individual lines and likewise more complex line panoramas.

## SOLA LITHIUM-ION BATTERY TECHNOLOGY

This type of battery offers many advantages compared with Ni-MH technology. Li-ion batteries have a high energy density with a relatively low weight. They are not susceptible to 'memory effect' and require shorter charging times. Ni-MH batteries lose power continuously and show a high level of self-discharge. Li-ion batteries offer high performance right to the end. Sola lasers with Sola Li-ion battery technology offer better visibility with significantly longer operating time.



## LASER CLASSES

Laser classes are generally divided into two groups. Those that conform to the European standard EN 60825-1 and those that conform to the American standard FDA 1040.10:1.4.97

## LASER CLASSES IN ACCORDANCE WITH EN 60825-1

Class	Description
1	Accessible laser radiation is harmless
1M	Accessible laser radiation is harmless without optical instruments (magnifying glass, telescopes)
2	Accessible laser radiation in the visible spectrum (400 nm to 700 nm), is harmless when exposure to it is brief
2M	Like class 2, without optical instruments (magnifying glass, telescopes)
3R	Laser radiation dangerous for the eye
3B	Laser radiation dangerous for the eye, in some cases also for the skin
4	Laser radiation very dangerous for the eye and dangerous for the skin, danger of fire and explosion



## ROTATION LASERS

The laser point is deflected at a 90° angle by a pentaprism. If the prism is rotated, the laser point creates a pulsed 360° laser line, which can be used for precise levelling and to align objects. They are used when surfaces need to be mapped or a reference level is to be created over long distances. What is more, inclination functions make it possible to measure even complex gradients using one or two axes.

## LEVELLING TYPES

### AUTO-LEVELLING LASER

- Magnetic pendulum with cardan system

### AUTOMATIC LASER

- Adjustment with servo motor and electronic vial

### MANUAL LASER

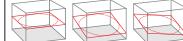
- Adjustment by means of adjusting screw and vial

## IP PROTECTION BY SOLA

- IP42 is recommended for devices, used mainly inside, but also in a wet environment.
- IP54 is necessary for all devices, used inside, as well as outside.
- IP66 is used for all devices, used mainly outside in all weather conditions and additionally on very dusty sites.



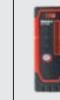
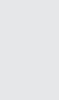
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## LASER ACCESSORIES

													
ROTATION LASER		REC RRDO	REC RROO	REC LRDO	REC LGDO	PN RC	LI-ION BATTERY/ BATTERY SET	LG	LST	BA	CC	TST	KST
PROTON SB		<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROTON HB		<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LINE AND POINT LASERS													
FLOX						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLANO 3D			<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATLAS GREEN				<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SMART											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

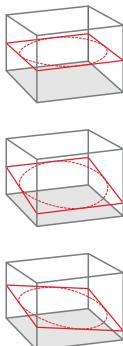
## LASER ACCESSORIES

														<b>LB GREEN</b>	<b>LB RED</b>	<b>ZLM GREEN</b>	<b>ZS RED</b>
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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## ROTATION LASER

### PROTON SB



Model	VP	VE	Art. Nr.	EAN
PROTON SB		1	71017701	9002719041597

- Automatic levelling in the 1-axis inclined operation up to an angle of 30° (with inclination adapter NK1)
- Receiver with a high range and digital measurement display
- Inclination functions are only accessible via the remote control
- Without a remote control: a safe operation is even possible for less experienced users
- Automatic height monitoring, stops the laser in case of strong vibration
- Robust: IP66 protection and a drop resistance rating from one meter height onto concrete



#### Included accessories

- Handheld receiver for PROTON
- Remote control for PROTON
- Battery adapter
- Country-specific plug EU/UK LS-EU/LS-UK
- 6 x 1.5 V (AAA) batteries

#### Optional accessories

- see accessories table

#### Technical details:

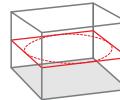
Item description	Horizontal rotation laser
Dimension	230 x 196 x 200 mm
Levelling	automatic
Measuring tolerance	±0.10 mm/m
Self-levelling range	±5°
Application range without handheld receiver (radius)	20 m*
Application range with handheld receiver (radius)	500 m*
Operating temperature	-5 °C to +50 °C (23 °F to 122 °F)
Rotation speed	600 1/min
Tripod adapter	5/8"
Protection class	IP66
Power supply	3 x 1.5 V (AA) batteries
Operating time (at 20 °C)	14 hrs
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 3.4 mW
Wavelength	630 - 680 nm

## ROTATION LASER

### PROTON HB

Model	VP	VE	Art. Nr.	EAN
PROTON HB		1	71017901	9002719041733

- Particularly easy and safe operation even for less experienced users
- High accuracy
- Automatic height monitoring, stops the laser in case of strong vibration
- Robust: IP66 protection and a drop resistance rating from one meter height onto concrete



#### Included accessories

- Handheld receiver REC RRD0 PROTON
- Battery adapter
- Country-specific plug EU/UK LS-EU/LS-UK
- 6 x 1.5 V (AAA) batteries

#### Optional accessories

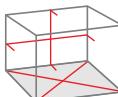
- see accessories table

#### Technical details:

	PROTON HB
Item description	Horizontal rotation laser
Dimension	230 x 196 x 200 mm
Levelling	automatic
Measuring tolerance	±0.10 mm/m
Self-leveling range	±5°
Application range without handheld receiver (radius)	20 m*
Application range with handheld receiver (radius)	350 m*
Operating temperature	-5 °C to +50 °C (23 °F to 122 °F)
Rotation speed	600 1/min
Tripod adapter	5/8"
Protection class	IP66
Power supply	3 x 1.5 V (AA) batteries
Operating time (at 20 °C)	14 hrs
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 3.4 mW
Wavelength	630 - 680 nm

## LINE AND POINT LASER

### FLOX



Model	VP	VE	Art. Nr.	EAN
FLOX		1	71017301	9002719035466

- Laser cross in front and continuous 90° laser lines allow an uninterrupted working without re-positioning of the laser
- 5 mm ground clearance allows attaching the tiles under the device
- Bright, very visible laser lines
- Rotatable base for easy and rapid alignment of the line position
- Particularly easy and safe operation even for less experienced users



#### Included accessories

- Battery adapter
- Laser visibility glasses
- 3 x 1.5 V (AA) batteries
- FLOX case

#### Optional accessories

- see accessories table

#### Technical details:

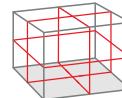
	FLOX
Item description	Line laser
Dimension	150 x 119 x 122 mm
Levelling	Permanent floor line Self-levelling wall line
Measuring tolerance	±0.30 mm/m (floor) / ±0.50 mm/m (wall)
Self-levelling range	±3°
Application range without handheld receiver (radius)	30 m* (floor) / 10 m* (wall)
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries
Operating time (at 20 °C)	9 h (floor)/40 h (wall) 3 x 1.5 V (AA) batteries 24 h (floor)/65 h (wall) SOLA Li-ion battery (5200 mAh)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 1.0 mW
Wavelength	635 nm

## LINE AND POINT LASER

### PLANO 3D

Model	VP	VE	Art. Nr.	EAN
PLANO 3D		1	71015301	9002719035688

- Two vertical 360° and one horizontal 360° laser lines enable universal use
- Very visible laser lines, individually switchable
- Switchable pulse function for the use of the optional receiver REC LR00 in difficult visibility conditions
- Switchable inclination function
- Compact, lightweight, handy



#### Included accessories

- Magnetic bracket
- Laser visibility glasses
- 4 x 1.5 V (AA) batteries
- PLANO 3D case

#### Optional accessories

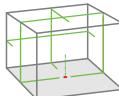
- see accessories table

#### Technical details:

	PLANO 3D
Item description	Line and point laser
Dimension	125 x 100 x 115 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m
Self-levelling range	±3°
Application range without handheld receiver (radius)	20 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	4 x 1.5 V (AA) batteries
Operating time (at 20 °C)	5 h (all diodes)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 1.0 mW
Wavelength	635 - 650 nm

## LINE AND POINT LASER

### ATLAS GREEN



Model	VP	VE	Art. Nr.	EAN
ATLAS GREEN	 1	71015701	9002719037804	

- High accuracy
- Very visible laser lines, individually switchable
- Switchable inclination function
- Rotatable through flexible 360° plumbing point for a quick and easy alignment. Plumbing point is always on the rail edge.
- Permanent pulse function enables use of the optional REC LGD0 receiver in difficult visibility conditions
- REAL GREEN technology - Real. Improved. Visible.



#### Included accessories

- Laser visibility glasses
- Stand adapter 5/8"
- 3 x 1.5 V (AA) batteries
- 4 x 1.5 V (AA) batteries
- ATLAS GREEN case

#### Optional accessories

- see accessories table

#### Technical details:

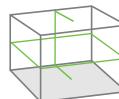
	ATLAS GREEN
Item description	Line laser
Dimension	125 x 123 x 204 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m
Self-levelling range	±3°
Application range without handheld receiver (radius)	25 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	5/8"
Protection class	IP54
Power supply	4 x 1.5 V (AA) batteries
Operating time (at 20 °C)	6.5 hrs (all diodes)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 5.0 mW
Wavelength	510 - 525 nm

## LINE AND POINT LASER

### HORIZON GREEN PROFESSIONAL

Model	VP	VE	Art. Nr.	EAN
HORIZON GREEN PROFESSIONAL		1	71012801	9002719033806

- High accuracy
- Compact, lightweight, handy
- Bright, very visible laser lines
- Particularly easy and safe operation even for less experienced users
- Switchable inclination function
- REAL GREEN technology - Real. Improved. Visible.



#### Included accessories

- Compact tripod
- SOLA Li-ion battery 5.2
- Battery charger
- Battery charging station
- Battery adapter
- Case
- Country-specific plug EU/UK LS-EU/LS-UK
- 3 x 1.5 V (AA) batteries
- HORIZON GREEN case professional set

#### Optional accessories

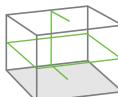
- see accessories table

#### Technical details:

	HORIZON GREEN PROFESSIONAL
Item description	Line laser
Dimension	110 x 100 x 130 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m
Self-levelling range	±4°
Application range without handheld receiver (radius)	25 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries SOLA Li-ion battery (5200 mAh)
Operating time (at 20 °C)	4 h 3 x 1.5 V (AA) batteries 14 h SOLA Li-ion battery (5200 mAh)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 5.0 mW
Wavelength	512 - 520 nm

## LINE AND POINT LASER

### HORIZON GREEN BASIC



Model	VP	VE	Art. Nr.	EAN
HORIZON GREEN BASIC		1	71012701	9002719033790

- High accuracy
- Compact, lightweight, handy
- Bright, very visible laser lines
- Particularly easy and safe operation even for less experienced users
- Switchable inclination function
- REAL GREEN technology - Real. Improved. Visible.



#### Included accessories

- Battery adapter
- Case
- 3 x 1.5 V (AA) batteries
- HORIZON GREEN case basic set

#### Optional accessories

- see accessories table

#### Technical details:

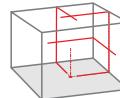
	HORIZON GREEN BASIC
Item description	Line laser
Dimension	110 x 100 x 130 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m
Self-levelling range	±4°
Application range without handheld receiver (radius)	25 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries SOLA Li-Ion battery (5200 mAh)
Operating time (at 20 °C)	4 h 3 x 1.5 V (AA) batteries 14 h SOLA Li-Ion battery (5200 mAh)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 5.0 mW
Wavelength	512 - 520 nm

## LINE AND POINT LASER

### QUBO BASIC

Model	VP	VE	Art. Nr.	EAN
QUBO BASIC		1	71014401	9002719029991

- Easy to use: only one switch - and all laser lines are visible immediately
- Quick and precise checking of right angles and the straightness of floors and walls
- Stable magnetic fixing on the drywall ground-rails
- Rotatable through flexible 360° plumbing point for a quick and easy alignment. Plumbing point is always on the rail edge.
- Switchable pulse function for the use of the optional receiver REC LRD0 in difficult visibility conditions



#### Included accessories

- Battery adapter
- Dry-wall construction TBA
- 3 x 1.5 V (AA) batteries
- QUBO case basic set

#### Optional accessories

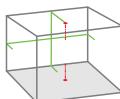
- see accessories table

#### Technical details:

	QUBO BASIC
Item description	Line and point laser
Dimension	115 x 103 x 135 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m / ±0.30 mm/m (plumbing point)
Self-levelling range	±4°
Application range without handheld receiver (radius)	20 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries SOLA Li-Ion battery (5200 mAh)
Operating time (at 20 °C)	12 h 3 x 1.5 V (AA) batteries 28 h SOLA Li-Ion battery (5200 mAh)
Laser class	2, DIN EN 60825-1 : 2008
Output power	< 1.0 mW
Wavelength	3 x 635 nm/1 x 650 nm

## LINE AND POINT LASER

### CROSSLINE P2 GREEN



Model	VP	VE	Art. Nr.	EAN
CROSSLINE P2 GREEN		1	71013901	9002719039761

- High accuracy
- Rotatable through flexible plumbing point for a quick and easy alignment
- Switchable inclination function
- Very visible laser lines, individually switchable
- Permanent pulse function enables use of the optional REC LGD0 receiver in difficult visibility conditions
- REAL GREEN technology - Real. Improved. Visible.



#### Included accessories

- Wall mount 5/8"
- Battery adapter
- Laser visibility glasses
- 3 x 1.5 V (AA) batteries
- CROSSLINE P2 GREEN case

#### Optional accessories

- see accessories table

#### Technical details:

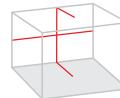
	CROSSLINE P2 GREEN
Item description	Line laser
Dimension	103 x 85 x 98 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m / ±0.50 mm/m (plumbing point)
Self-levelling range	±4°
Application range without handheld receiver (radius)	25 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4" + 5/8"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries
Operating time (at 20 °C)	7 hrs (all diodes)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 1.0 mW
Wavelength	515 - 650 nm

## LINE AND POINT LASER

### CROSSLINE

Model	VP	VE	Art. Nr.	EAN
CROSSLINE	 1	71013501	9002719030911	

- High accuracy
- Compact, lightweight, handy
- Bright, very visible laser lines
- Rotatable base for easy and rapid alignment of the line position
- Switchable pulse function for the use of the optional receiver REC LRD0 in difficult visibility conditions



#### Included accessories

- Magnetic bracket
- Battery adapter
- 3 x 1.5 V (AA) batteries
- CROSSLINE case

#### Optional accessories

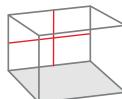
- see accessories table

#### Technical details:

	CROSSLINE
Item description	Line laser
Dimension	120 x 65 x 105 mm
Levelling	self-levelling
Measuring tolerance	±0.20 mm/m
Self-levelling range	±4°
Application range without handheld receiver (radius)	20 m*
Application range with handheld receiver (radius)	80 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4"
Protection class	IP54
Power supply	3 x 1.5 V (AA) batteries SOLA Li-Ion battery (5200 mAh)
Operating time (at 20 °C)	14 h 3 x 1.5 V (AA) batteries 30 h SOLA Li-Ion battery (5200 mAh)
Laser class	2M, DIN EN 60825-1 : 2014
Output power	< 5.0 mW
Wavelength	635 nm

## LINE AND POINT LASER

### SMART



Model	VP	VE	Art. Nr.	EAN
SMART		1	71013401	9002719030904

- Particularly easy and safe operation even for less experienced users
- Compact, lightweight, handy
- Bright, very visible laser lines
- Broad line spread gives a large working area



#### Included accessories

- 2 x 1.5 V (AA) batteries
- SMART case

#### Optional accessories

- see accessories table

#### Technical details:

	SMART
Item description	Line laser
Dimension	97 x 71 x 85 mm
Levelling	self-levelling
Measuring tolerance	±0.50 mm/m
Self-levelling range	±3°
Application range without handheld receiver (radius)	10 m*
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Tripod adapter	1/4"
Protection class	IP42
Power supply	2 x 1.5 V (AA) batteries
Operating time (at 20 °C)	20 h (all diodes)
Laser class	2, DIN EN 60825-1 : 2014
Output power	< 1.0 mW
Wavelength	635 nm

## TRIPODS

TST

Model	VP	VE	Art. Nr.	EAN
TST		1	71121501	9002719016267



LASERS

KST

Model	VP	VE	Art. Nr.	EAN
KST		1	71121101	9002719013006



BST

Model	VP	VE	Art. Nr.	EAN
BST		1	71120101	9002719009030



### Technical details:

	TST	KST	BST
Item description	Telescopic tripod	Crank tripod	Tripod BST
Material	Aluminium	Aluminium	Aluminium
Surface	anodized	anodized	anodized
Colour	silver	silver	silver
Weight	7500 g	6100 g	4800 g
Application area	120 - 305 cm	73 - 170 cm	98 - 167 cm
Tripod thread	5/8"	5/8"	5/8"
Transport length	139 cm	94 cm	112 cm
Maximum load	15 kg	15 kg	5 kg

## TRIPODS

### FST



Model	VP	VE	Art. Nr.	EAN
FST		1	71121701	9002719020141

#### Included accessories

- 5/8" thread adapter

### MST



Model	VP	VE	Art. Nr.	EAN
MST		1	71121901	9002719035459

### KLST



Model	VP	VE	Art. Nr.	EAN
KLST		1	71122001	9002719020097

#### Technical details:

	FST	MST	KLST
Item description	Compact tripod	Mini tripod	Clamping rod
Material	Aluminium	ABS plastic	Steel
Surface	anodized	-	epoxy coated
Colour	silver	black	grey
Weight	1280 g	180 g	3700 g
Application area	42 - 120 cm	14 cm	155 - 420 cm
Tripod thread	1/4"	1/4"	-
Transport length	46 cm	19 cm	160 cm
Maximum load	5 kg	1 kg	150 kg

## TRIPODS

**FWH**

Model	VP	VE	Art. Nr.	EAN
FWH		1	71123801	9002719020158



LASERS

**WH 5/8"**

Model	VP	VE	Art. Nr.	EAN
WH 5/8"		1	71124201	9002719039907



**MH**

Model	VP	VE	Art. Nr.	EAN
MH		1	71124001	900271903509



**Technical details:**

	<b>FWH</b>	<b>WH 5/8"</b>	<b>MH</b>
Item description	Flexible wall mount	Wall mount 5/8"	Magnetic bracket
Material	ABS, fibre-glass reinforced	ABS plastic	ABS plastic
Colour	black	black/red	red
Weight	1300 g	300 g	70 g
Application area	87 mm fine height adjustment	80 mm fine height adjustment	-
Tripod thread	5/8"	5/8"	-
Transport length	319 mm	13 cm	110 mm
Maximum load	5 kg	1 kg	1 kg

**NK1**


Model	VP	VE	Art. Nr.	EAN
NK1		1	71128501	9002719018933

**GA-SET**


Model	VP	VE	Art. Nr.	EAN
GA-SET		1	71115941	9002719023913

**Technical details:**

	NK1	GA-SET
Item description	Inclination adapter	Threaded adapter-set for tripods
Material	Aluminum die-cast	Aluminium
Surface	epoxy coated	anodized
Colour	black	silver/black
Weight	950 g	-
Application area	-10° to +100°	-
Tripod thread	5/8"	1/4" to 5/8" and 5/8" to 1/4"
Transport length	70 mm	-

## LASER ACCESSORIES

### REC RRDO

Model	VP	VE	Art. Nr.	EAN
REC RRDO		1	71111701	9002719028437

- New laser reception technology: precision mm display of the height difference even at large distances
- Anti strobe-light sensor prevents false measurements
- Large 100mm laser reception window for rapid localization of the laser beam
- Extra large LED display on the front and back for a comfortable working
- Optical and acoustic signal routing for a fast positioning of the receiver
- Automatic switch-off



#### Included accessories

- Fastening bracket
- 2 x 1.5 V (AA) batteries

#### Optional accessories

- see accessories table

### REC RR00

Model	VP	VE	Art. Nr.	EAN
REC RR00		1	71111601	9002719028420

- Particularly easy and safe operation even for less experienced users
- LED display on the front and back for a comfortable working
- Vertical vial for exact alignment
- Handy size
- Automatic switch-off



#### Included accessories

- Fastening bracket
- 2 x 1.5 V (AA) batteries

#### Optional accessories

- see accessories table

### REC LGDO

Model	VP	VE	Art. Nr.	EAN
REC LGDO		1	71111901	9002719033813

- Particularly easy and safe operation even for less experienced users
- Vertical and horizontal vial for exact alignment
- Automatic switch-off
- LCD display on the front and back for a comfortable working
- Adjustable accuracy
- Magnet on the top side for attachment to steel surfaces



REAL  
GREEN

#### Included accessories

- Fastening bracket
- 1 x 9 V E-Block battery

#### Optional accessories

- see accessories table

Technical details:	REC RRDO	REC RR00	REC LGDO
Item description	Handheld receiver REC RRDO PROTON	Handheld receiver REC RR00 PROTON	Handheld receiver for green line lasers
Dimension	168 x 76 x 36 mm (without bracket)	136 x 50 x 28 mm (without bracket)	195 x 70 x 30 mm (without bracket)
Measuring tolerance	fine: $\pm 1.00$ mm/rough: $\pm 5.00$ mm	$\pm 3.00$ mm	fine: $\pm 0.50$ mm/rough: $\pm 2.00$ mm
Operating temperature	-20 °C to +60 °C (-4 °F to 140 °F)	-20 °C to +50 °C (-4 °F to 122 °F)	-15 °C to +60 °C (5 °F to 140 °F)
Protection class	IP67	IP67	IP54
Power supply	2 x 1.5 V (AA) batteries	2 x 1.5 V (AA) batteries	1 x 9 V E-Block battery
Operating time (at 20 °C)	70 hrs	75 hrs	40 hrs
Application range (Radius)	500 m	350 m	80 m
Weight	305 g (without batteries)	165 g (without batteries)	210 g (without batteries)

## LASER ACCESSORIES

### REC LRDO



Model	VP	VE	Art. Nr.	EAN
REC LRDO		1	71111801	9002719030010

- Particularly easy and safe operation even for less experienced users
- Vertical and horizontal vial for exact alignment
- Automatic switch-off
- LCD display on the front and back for a comfortable working
- Adjustable accuracy
- Magnet on the top side for attachment to steel surfaces

#### Included accessories

- Fastening bracket
- 1 x 9 V E-Block battery

#### Optional accessories

- see accessories table

### PN RC



Model	VP	VE	Art. Nr.	EAN
PN RC		1	71112301	9002719028512

#### Included accessories

- 1 x 9 V E-Block battery

### SOLA LI-ION AKKU-SET 5.2



Model	VP	VE	Art. Nr.	EAN
SOLA-LI-ION AKKU-SET 5.2		1	71113901	9002719020103

- Short charging time
- SOLA charging management for a long service life
- SOLA Li-ion battery: full performance and a good visibility of the laser line till the very end
- Very little self-discharge, device is always ready for use
- No memory effect, random charging or discharging

#### Included accessories

- SOLA Li-ion battery 5.2
- Battery charger
- Battery charging station
- Country-specific plug EU/UK LS-EU/LS-UK

Technical details:	REC LRDO	PN RC	SOLA LI-ION AKKU-SET 5.2
Item description	Handheld receiver for red line lasers	Remote control PN RC for PROTON	SOLA Li-ion battery set 5.2
Dimension	195 x 70 x 30 mm (without bracket)	120 x 65 x 23 mm	-
Measuring tolerance	fine: $\pm 0.50$ mm/rough: $\pm 2.00$ mm	-	-
Operating temperature	-15 °C to +60 °C (5 °F to 140 °F)	-15 °C to +60 °C (5 °F to 140 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Protection class	IP54	IP54	-
Power supply	1 x 9 V E-Block battery	1 x 9 V E-Block battery	-
Operating time (at 20 °C)	40 hrs	-	-
Application range (Radius)	80 m	7 - 10 m	-
Weight	210 g (without batteries)	72 g (without battery)	-
Battery type	-	-	SOLA Li-ion with protective electronics
Voltage	-	-	3.6 VDC
Capacity	-	-	5200 mAh
Storage temperature	-	-	-20 °C to +60 °C
Charging time	-	-	3 - 5 hrs

## LASER ACCESSORIES

### SOLA LI-ION AKKU 5.2

Model	VP	VE	Art. Nr.	EAN
SOLA-LI-ION AKKU 5.2		1	71114001	9002719020110

- Short charging time
- SOLA charging management for a long service life
- SOLA Li-ion battery: full performance and a good visibility of the laser line till the very end
- Very little self-discharge, device is always ready for use
- No memory effect, random charging or discharging



Model	VP	VE	Art. Nr.	EAN
LG Li-Ion		1	71115001	9002719022909

LG



Model	VP	VE	Art. Nr.	EAN
LST Li-Ion		1	71116501	9002719029250

LST



Technical details:	SOLA LI-ION AKKU 5.2	LG	LST
Item description	SOLA Li-ion battery 5.2	Battery charger	Battery charging station
Dimension	71 x 39 x 22 mm	-	55 x 45 x 50 mm
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Battery type	SOLA Li-ion with protective electronics	SOLA Li-ion with protective electronics	SOLA Li-ion with protective electronics
Voltage	3.6 VDC	3.6 VDC	3.6 VDC
Capacity	5200 mAh	-	-
Performance	-	18 W	-
Input voltage	-	100 - 240 VAC	3.6 VDC
Output voltage	-	3.6 VDC	3.6 VDC
Frequency	-	50 - 60 Hz	-
Storage temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Charging time	3 - 5 hrs	3 - 5 hrs	3 - 5 hrs

## LASER ACCESSORIES

### BA



Model	VP	VE	Art. Nr.	EAN
BA		1	71116201	9002719030034

### CC



Model	VP	VE	Art. Nr.	EAN
CC		1	71110901	9002719022930

### FL



Model	VP	VE	Art. Nr.	EAN
FL		1	71132101	9002719009092

#### Technical details:

	BA	CC	FL
Item description	Battery adapter	Car adapter	Flexi-rod
Dimension	71 x 39 x 22 mm	-	-
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-15 °C to +50 °C (5 °F to 122 °F)	-
Weight	-	-	890 g
Battery type	3 x 1.5 V (AA) batteries	-	-
Voltage	4.5 VDC	-	-
Performance	-	75 W	-
Input voltage	-	12 VDC	-
Output voltage	-	220 - 240 VAC ±10%	-
Frequency	-	50 Hz ± 3 Hz	-
Storage temperature	-20 °C to +60 °C	-20 °C to +65 °C	-
Material	-	-	Aluminium
Surface	-	-	anodized
Colour	-	-	silver/red
Special characteristic	-	-	Bull's-eye vial for positioning
Graduations	-	-	cm/inch, printed
Application area	-	-	32 - 240 cm
Transport length	-	-	132 cm

## LASER ACCESSORIES

### ML 5

Model	VP	VE	Art. Nr.	EAN
ML 5		1	71130501	9002719013013



### LB GREEN

Model	VP	VE	Art. Nr.	EAN
LB GREEN		1	71124601	9002719019220

► Better laser line visibility in bright surroundings. No laser protection glasses



### LB RED

Model	VP	VE	Art. Nr.	EAN
LB RED		1	71124501	9002719009122

► Better laser line visibility in bright surroundings. No laser protection glasses

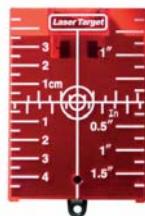


#### Technical details:

	ML 5	LB GREEN	LB RED
Item description	Measuring rod	Laser visibility glasses	Laser visibility glasses
Material	Aluminium	Plastic	Plastic
Surface	anodized	-	-
Colour	silver	green	red
Special characteristic	5 links	-	-
Dimension	-	150 x 60 x 50 mm	150 x 60 x 50 mm
Graduations	cm/dm, printed	-	-
Weight	2200 g	-	-
Application area	0 - 500 cm	-	-
Transport length	122 cm	-	-

**ZLM GREEN**


Model	VP	VE	Art. Nr.	EAN
ZLM GREEN	<input type="radio"/>	1	71126301	9002719019237

**ZS RED**


Model	VP	VE	Art. Nr.	EAN
ZS RED	<input checked="" type="checkbox"/>	1	71126401	9002719022893

**Technical details:**

	ZLM GREEN	ZS RED
Item description	Target plate	Target plate
Material	Plastic	Plastic
Colour	green, reflective	red, reflective
Special characteristic	magnetic	magnetic, with support and nail hole
Dimension	100 x 70 x 19 mm	115 x 75 x 12 mm
Graduations	cm/inch, printed	cm/inch, printed



# LASER DISTANCE METER

# LASER DISTANCE METER



## DISTANCE METERS

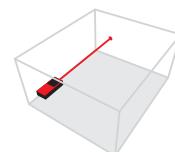
Digital distance measurement offers many advantages compared with conventional measurement using a folding rule or measuring tape. Distances can be measured very easily and conveniently in just a few seconds. In addition, the devices are able to calculate surface area and volumes at the touch of a button.

The laser focuses on a target for measurement. The distance meter then emits a laser pulse, which begins the measuring process. The pulse is reflected from the target and received by the photocell in the device. This enables the exact distance to be calculated using the time span between the emission and reflection of the laser. In practice, Sola uses a process in which the phase change between external pulsing and internal reference pulsing is determined.

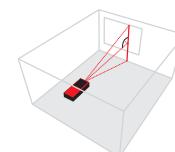
Only a small surface area is necessary for location when using laser measurement. For ultrasound, it must be much larger in order to enable it to reflect relevant sound waves. Laser distance meters are easier to use and more accurate than ultrasound distance meters, and far more convenient than measuring using a folding rule and measuring tape.

	VECTOR 20	VECTOR 50	VECTOR 80	VECTOR 100 PRO	METRON 60 BT
Bluetooth & SOLA Measures app				■	■
Length measurement	■	■	■	■	■
Surface measurement	■	■	■	■	■
Volume measurement	■	■	■	■	■
Min./max. measurement	■	■	■	■	■
Continuous measurement	■	■	■	■	■
Indirect 3-point measurement			■	■	■
Indirect 2-point measurement	■	■	■	■	■
Addition/subtraction	■	■	■	■	■
Measurement value memory		■	■	■	■
Tilt sensor			■		
Indirect measuring via angle			■		
Indirect distance measurement			■		
Automatic distance measurement			■		

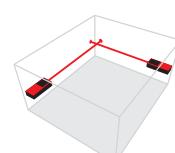
Length measurement



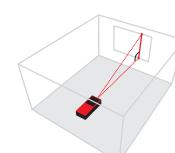
Indirect 3-point measurement



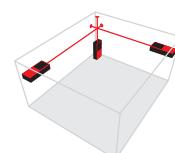
Surface measurement



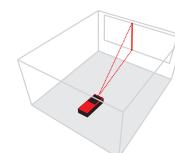
Indirect 2-point measurement



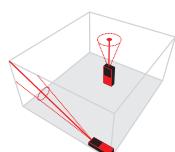
Volume measurement



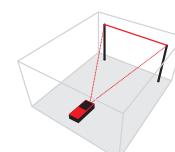
Indirect measuring via angle



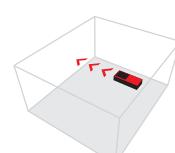
Min. / max. measurement



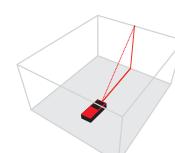
Indirect distance measurement



Continuous measurement



Automatic distance measurement



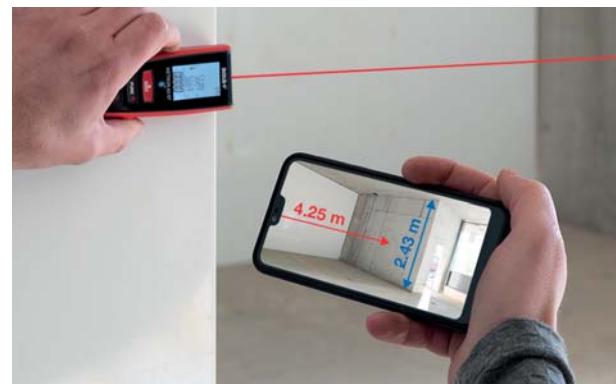
You can find more information on the SOLA YouTube channel

## LASER DISTANCE METER



### METRON: DISTANCE METER WITH BLUETOOTH

The integrated Bluetooth interface enables the wireless transfer of measured values from METRON to your smartphone or tablet. The free SOLA Measures App is the ideal connection tool. Simply switch on smartphone/tablet and the METRON connects with the app in a matter of seconds, providing you with a range of practical additional functions.



### MEASURING AND DOCUMENTATION WITH BLUETOOTH

Want to document measurements directly on site or send measurement data to your team? If METRON is used with the SOLA Measures App, you can directly and precisely dimension photos from the construction site or construction plans. In this way, measured values are properly stored, managed and can be quickly shared with the team.

### VECTOR: PRACTICAL LASER DISTANCE METER FOR ANY APPLICATION



Compact design, high performance (VECTOR 20)



Wide range of measuring functions (VECTOR 50)



Camera function for easier target alignment (VECTOR 100 pro)

**OVERVIEW LASER DISTANCE METER**

<b>LASER DISTANCE METER</b>		
<b>METRON 60 BT</b>		  Page 85
<b>VECTOR 100 PRO</b>		  Page 86
<b>VECTOR 80</b>		
<b>VECTOR 50</b>		
<b>VECTOR 20</b>		

## LASER DISTANCE METER

### METRON 60 BT

Model	VP	VE	Art. Nr.	EAN
METRON 60 BT		1	71027101	9002719041306

- Easy to use
- Bluetooth interface for data transfer to compatible apps
- Suitable for indoor and outdoor use
- 3-line backlit display
- Automatic switch-off



#### Included accessories

- METRON 60 BT belt pouch
- Charging/data cable METRON 60 BT
- METRON hand strap
- 1 x 3.7 V Li-Ion battery (850 mAh)

#### Technical details:

	METRON 60 BT
Item description	Laser distance meters
Dimension	119 x 46 x 28 mm
Measuring tolerance	±1.50 mm
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Tripod adapter	1/4"
Protection class	IP54
Power supply	1 x 3.7 V Li-Ion battery (850 mAh)
Operating time (at 20 °C)	5000 measurements
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	635 nm
Storage temperature	-20 °C to +60 °C
Usage area	0.05 m to 60 m

## LASER DISTANCE METER

### VECTOR 100 PRO



Model	VP	VE	Art. Nr.	EAN
VECTOR 100 PRO		1	71023101	9002719034964

- Camera function (2 and 4 x zoom) for easier target alignment
- Bluetooth interface for data transfer to compatible apps
- Tilt sensor for levelling and angle measurement
- Touchscreen for quick and easy operation
- Protection class IP65
- 4-line backlit display



#### Included accessories

- Belt bag
- Belt clip
- Data and charging cable
- 3 x 1.2 V Ni-Mh battery (3 x 850 mAh)

#### Technical details:

	VECTOR 100 PRO
Item description	Laser distance meters
Dimension	115 x 50 x 25 mm
Measuring tolerance	±1.50 mm
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Tripod adapter	1/4"
Protection class	IP65
Power supply	3 x 1.2 V Ni-Mh battery (3 x 850 mAh)
Operating time (at 20 °C)	5000 measurements
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	635 nm
Storage temperature	-10 °C to +60 °C
Usage area	0.2 m to 100 m

## LASER DISTANCE METER

### VECTOR 80

Model	VP	VE	Art. Nr.	EAN
VECTOR 80		1	71021101	9002719030768

- Easy to use
- 4-line backlit display
- Soft grip and ergonomic design
- Automatically stores 20 readings
- Suitable for indoor and outdoor use
- Multifunctional end-piece



#### Included accessories

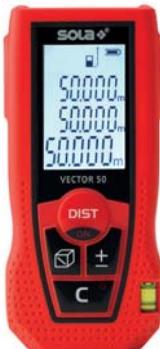
- Belt bag
- Belt clip
- VECTOR screwdriver
- 2 x 1.5 V (AAA) batteries

#### Technical details:

	VECTOR 80
Item description	Laser distance meters
Dimension	115 x 52 x 32 mm
Measuring tolerance	±1.50 mm
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Protection class	IP54
Power supply	2 x 1.5 V (AAA) batteries
Operating time (at 20 °C)	5000 measurements
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	635 nm
Storage temperature	-10 °C to +60 °C
Usage area	0.2 m to 80 m

## LASER DISTANCE METER

### VECTOR 50



Model	VP	VE	Art. Nr.	EAN
VECTOR 50		1	71024101	9002719038931

- Easy to use
- 3-line backlit display
- Soft grip and ergonomic design
- Compact, lightweight, handy
- Automatic switch-off



#### Included accessories

- Belt clip
- VECTOR 50 belt pouch
- 2 x 1.5 V (AAA) batteries

#### Technical details:

Item description	VECTOR 50
Dimension	105 X 47 X 27 mm
Measuring tolerance	±1.50 mm
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Protection class	IP42
Power supply	2 x 1.5 V (AAA) batteries
Operating time (at 20 °C)	5000 measurements
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	650 nm
Storage temperature	-20 °C to +60 °C
Usage area	0.15 m to 50 m

## LASER DISTANCE METER

### VECTOR 20

Model	VP	VE	Art. Nr.	EAN
VECTOR 20		1	71019101	9002719033523

- Easy to use
- 2-line backlit display
- Soft grip and ergonomic design
- Compact, lightweight, handy
- Automatic switch-off



#### Included accessories

- Belt clip
- 2 x 1.5 V (AAA) batteries

#### Technical details:

	VECTOR 20
Item description	Laser distance meters
Dimension	100 x 38 x 24 mm
Measuring tolerance	±2.00 mm
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Protection class	IP42
Power supply	2 x 1.5 V (AAA) batteries
Operating time (at 20 °C)	5000 measurements
Laser class	2, DIN EN 60825-1 : 2007-10
Output power	< 1.0 mW
Wavelength	650 nm
Storage temperature	-10 °C to +60 °C
Usage area	0.2 m to 20 m





**FOLDING RULES**

## FOLDING RULES



### MEASURING TOLERANCE

All SOLA measuring rules correspond to accuracy Class III according to EC standards. This accuracy level must be indicated on the measuring rule in the form specified by these standards.

Deviation $\pm$ mm over total length			
Length	Class I	Class II	Class III
1 m	0.20	0.50	1.00
2 m	0.30	0.70	1.40
2.4 m	0.40	0.90	1.80

### CONFORMITY MARKING

Directive 2014/32/EU of the European Parliament came into force on 26 February 2014 in the member states of the European Union and the European Economic Area. This directive contains the procedures, under which manufacturers of measuring tools have to declare the conformity to the specification.

Note the following markings:

1. Nominal length of the measuring device
2. CE-marking
3. Year of manufacture
4. Mark from Office of Weights and Measures
5. Accuracy class
6. Manufacturers name or registered identification mark

### WOODEN RULES

SOLA wooden rules are made from Nordic Downy Birch or Beech. Birch: Due to the harsh northern climate, the tree grows very slowly, giving its wood a high degree of elasticity. Beech: Beech has a high degree of hardness and is thus strongly abrasion-resistant.

### PLASTIC RULES

SOLA folding rules made from polyamide are 25% glass fibre reinforced. This results in a rule that is considerably less brittle at low temperatures. Note: The elasticity of this material mix ensures tremendous longevity.

## FOLDING RULES



### MEASURING TOLERANCE

All SOLA measuring rules correspond to accuracy Class III according to EC standards. This accuracy level must be indicated on the measuring rule in the form specified by these standards.

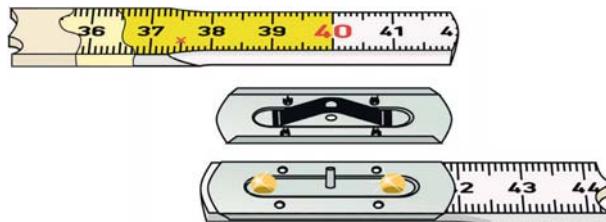
### JOINTS/HINGES

The hinges of SOLA folding rules are made of high-grade epoxycoated Swedish steel, and thus can withstand the harshest weather conditions.

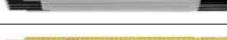


### VARNISH/WOOD PROTECTION

All of the edges and ends of the wooden folding rule have been dipped in varnish twice. The protective varnish is hardened by UV radiation, and is therefore very durable.



## OVERVIEW FOLDING RULES

WOODEN FOLDING RULES		
H 2/10		Page 95
HC 2/10		Page 95
H 2.4/12		Page 95
H 1/6		Page 96
HW 2/10		Page 96
HG 2/10		Page 96
HF 2/10		Page 97
HB 2/10		Page 97
PLASTIC FOLDING RULES		
HK 2/10 W		Page 98
HK 2/10 G		Page 98
HKM 1/10 W		Page 98

## WOODEN FOLDING RULES

**H 2/10**

Model	L [m]	VP	VE	Art. Nr.	EAN
H 2/10	<b>2</b>		50	53010101	9002719018117
	<b>2</b>		10	53010201	9002719018124

- Nordic Glass Birch ensures high degree of elasticity and resistance to breakage
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection



**HC 2/10**

Model	L [m]	VP	VE	Art. Nr.	EAN
HC 2/10	<b>2</b>		10	53010501	9002719018148

- Nordic Glass Birch ensures high degree of elasticity and resistance to breakage
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection
- Internal metric scale on both sides for measuring directly on surfaces



FOLDING RULES

**H 2.4/12**

Model	L [m]	VP	VE	Art. Nr.	EAN
H 2.4/12	<b>2.4</b>		10	53010801	9002719035435

- Length 2.4 m particularly suitable for drywall and interior construction
- Nordic Glass Birch ensures high degree of elasticity and resistance to breakage
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection



**Technical details:**

**H 2/10**

**HC 2/10**

**H 2.4/12**

Item description	Folding rule	Folding rule	Folding rule
Material	Nordic Birch	Nordic Birch	Nordic Birch
Surface	lacquered natural	lacquered natural	lacquered natural
Graduations	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides
Number of sections	10	10	12
Section thickness	2.4 mm	2.4 mm	2.4 mm
EC accuracy class	III	III	III
Joints	Steel, epoxy-coated	Steel, epoxy-coated	Steel, epoxy-coated

## WOODEN FOLDING RULES

### H 1/6



Model	L [m]	VP	VE	Art. Nr.	EAN
H 1/6	1		10	53011101	9002719018155

- Nordic Glass Birch ensures high degree of elasticity and resistance to breakage
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection

### HW 2/10



Model	L [m]	VP	VE	Art. Nr.	EAN
HW 2/10	2		50	53020501	9002719018193
HW 2/10	2		10	53020601	9002719018209

- Selected beech wood for high degree of hardness and strength
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection

### HG 2/10



Model	L [m]	VP	VE	Art. Nr.	EAN
HG 2/10	2		50	53020101	9002719018162
HG 2/10	2		10	53020201	9002719018179

- Selected beech wood for high degree of hardness and strength
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection

#### Technical details:

	H 1/6	HW 2/10	HG 2/10
Item description	Folding rule	Mitre squares	Mitre squares
Material	Nordic Birch	Beech	Beech
Surface	lacquered natural	lacquered, white	lacquered yellow
Graduations	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides
Number of sections	6	10	10
Section thickness	2.4 mm	3.2 mm	3.2 mm
EC accuracy class	III	III	III
Joints	Steel, epoxy-coated	Steel, epoxy-coated	Steel, epoxy-coated

## WOODEN FOLDING RULES

**HF 2/10**

Model	L [m]	VP	VE	Art. Nr.	EAN
HF 2/10	<b>2</b>		50	53021101	9002719018223
HF 2/10	<b>2</b>		10	53021201	9002719018230

- Selected beech wood for high degree of hardness and strength
- Concealed joints for better readability
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Robust joints made of high-quality spring steel, epoxy coated for an optimal corrosion protection



**HB 2/10**

Model	L [m]	VP	VE	Art. Nr.	EAN
HB 2/10	<b>2</b>		10	53060601	9002719016915

- Selected beech wood for high degree of hardness and strength
- Inboard joints for continuous graduations
- Highly abrasion-resistant, dirt-repellent and moisture-resistant protective coating
- Hardened, wear-free spring steel joints for a long service life



**Technical details:**

	<b>HF 2/10</b>	<b>HB 2/10</b>
Item description	Mitre squares	Mitre squares
Material	Beech	Beech
Surface	lacquered white/yellow	lacquered, white
Graduations	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides
Number of sections	10	10
Section thickness	3.2 mm	3.2 mm
EC accuracy class	III	III
Joints	Steel, epoxy-coated	Spring steel, inside

## PLASTIC FOLDING RULES

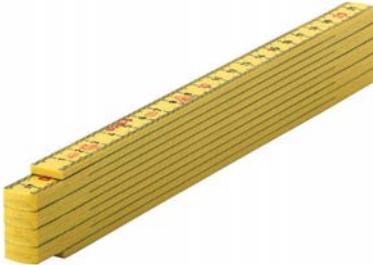
### HK 2/10 W



Model	L [m]	VP	VE	Art. Nr.	EAN
HK 2/10 W	2		10	53030201	9002719018278

- Fiber-glass reinforced plastic with a high elasticity ensures a long service life
- Inboard joints for continuous graduations
- Cold and humidity resistant
- Electrically non-conductive

### HK 2/10 G



Model	L [m]	VP	VE	Art. Nr.	EAN
HK 2/10 G	2		10	53030101	9002719018261

- Fiber-glass reinforced plastic with a high elasticity ensures a long service life
- Inboard joints for continuous graduations
- Cold and humidity resistant
- Electrically non-conductive

### HKM 1/10 W



Model	L [m]	VP	VE	Art. Nr.	EAN
HKM 1/10 W	1		10	53031301	9002719018292

- Fiber-glass reinforced plastic with a high elasticity ensures a long service life
- Inboard joints for continuous graduations
- Cold and humidity resistant
- Electrically non-conductive

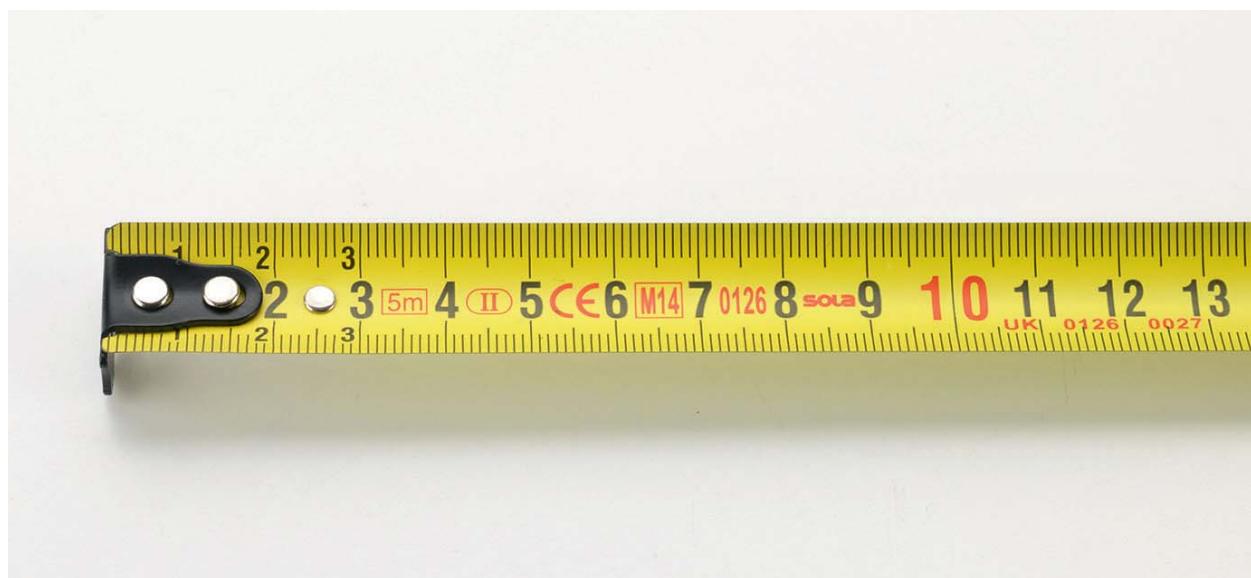
#### Technical details:

	HK 2/10 W	HK 2/10 G	HKM 1/10 W
Item description	Mitre squares	Mitre squares	Mitre squares
Material	Polyamide, fiber-glass reinforced	Polyamide, fiber-glass reinforced	Polyamide, fiber-glass reinforced
Surface	white	yellow	white
Graduations	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides	mm/cm, 2-piece, printed on both sides
Number of sections	10	10	10
Section thickness	3.2 mm	3.2 mm	3.2 mm
EC accuracy class	III	III	III
Joints	Plastic, inside	Plastic, inside	Plastic, inside



**SHORT TAPES**

## SHORT TAPES



### MEASURING TOLERANCE

All SOLA short tapes correspond to either Class I or Class II according to EC standards. Thus we can guarantee the utmost precision in measuring.

Deviation $\pm$ mm over total length			
Length	Class I	Class II	Class III
2 m	0.30	0.70	1.40
3 m	0.40	0.90	1.80
5 m	0.60	1.30	2.60
8 m	0.90	1.90	3.80
10 m	1.10	2.30	4.60

### CONFORMITY MARKING

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3. Year of manufacture
4. Mark from Office of Weights and Measures
5. Accuracy class
6. Manufacturers name or registered identification mark

3m

CE

M20

0402

I

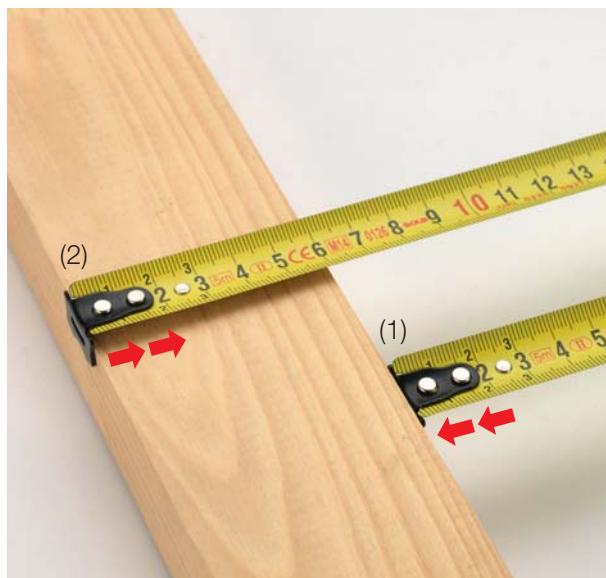
**sola**

### BUMP STOP/WINDING ACTION

The momentum of the blade and the resulting impact of the end hook on the housing is gently absorbed by the buffer system. This greatly increases the longevity of the tape. The SOLA rewind system also results in a very smooth running of the tape. The tape is optimally wound in a space-saving manner; the housing is smaller and more ergonomic.



## SHORT TAPES



### END HOOKS

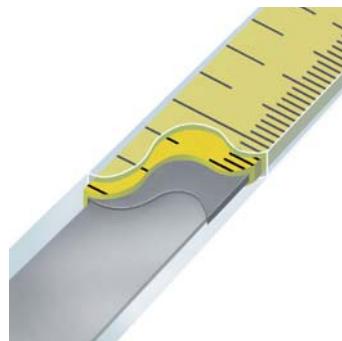
The sliding end hook contributes to the high accuracy of the tape. For butt-up measurement (1) the end hook must slide to the zero point; for tension measurement (2), however, it must release the zero point. The sliding distance corresponds to the thickness of the end hook. The end hook is very susceptible to breakage and has therefore been reinforced severalfold for the high-quality SOLA tape measures:

- Reinforcement plate
- Riveting of the end hook:  
2 rivets 2/3 m  
3 rivets 5 m  
4 rivets 8/10 m



### BRAKE

The Big T, Tri-Matic and Popular models from SOLA are equipped with a two-part brake mechanism. This ensures that a blade can be locked with millimetre accuracy. Tapes without this two-part brake have the disadvantage that on pressing the brake button, up to 10 mm of the tape is pulled back into the housing.



### BAND STRUCTURE

SOLA short tapes are made of high quality steel with a high content of Carbon. All models are matt-coated and do not reflect or shine. This makes them easy to handle.

### STAND-OUT

In order to obtain the highest possible inflexion point, the concavity of the tape must be optimally adjusted. Very high concavity results in high extension stability, but decreases running smoothness. SOLA tape measures are optimally adjusted to satisfy both requirements.

The high carbon content of 0.8 % means that the tape is tough, durable and long-lasting.

## OVERVIEW SHORT TAPES

SHORT TAPES		
<b>BIG T</b>	 I mm	
<b>PRO-TM</b>	 I mm	
<b>TRI-MATIC</b>	 I mm	
<b>POPULAR</b>	 II mm	
<b>PROTECT M</b>	 II mm	
<b>UNI-MATIC</b>	 II mm	
<b>PRO-FLEX</b>	 II mm	
<b>COMPACT</b>	 II mm	
<b>COMPACT M</b>	 II mm	
<b>VIDEO-FLEX</b>	 II mm	
<b>TALMETER</b>	 II mm	

## SHORT TAPES

### BIG T

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
BIG T 5	5	19	□	5	50021301	9002719014676
BIG T 8	8	25	□	5	50021401	9002719014683

- Optimized 2-c plastic housing with an increased durability
- Secure handling thanks to a non-slip surface and ergonomic design
- Exact 2-piece tape brake for precise inner measuring
- Protective tape break in 2K plastic casing
- Easier reading of the graduations through a transparent end hook
- Improved handling through a patented, removable belt clip



I  
mm

### PRO-TM

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
PRO-TM 3	3	19	□	5	50022001	9002719023180
PRO-TM 5	5	19	□	5	50022101	9002719023197
PRO-TM 8	8	25	□	5	50022201	9002719023203

- Break-resistant 2-c plastic housing
- Exact 2-piece tape brake for precise inner measuring
- Shock absorber system for a gentle tape stop
- Long-lasting protection against damages through a reinforced initial tape section
- Metal support for safe working at heights
- End hook provided with a slot enables the positioning on nails or screws



I  
mm

### TRI-MATIC

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
TM 3	3	13	□	6	50023201	9002719002741
TM 5	5	19	□	6	50023301	9002719003151
TM 8	8	25	□	6	50023401	9002719003168
TM 10	10	25	□	6	50023501	9002719008934
TM 3	3	13	□	1	50023701	9002719010241
TM 5	5	19	□	1	50023801	9002719010289

- Impact resistant ABS plastic housing
- Handy, compact case design
- Exact 2-piece tape brake for precise inner measuring
- Shock absorber system for a gentle tape stop
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip



I  
mm

#### Technical details:

	BIG T	PRO-TM	TRI-MATIC
Item description	Short tape	Short tape	Short tape
Graduations	mm	mm	mm
EC accuracy class	I	I	I
Material tape	Steel	Steel	Steel
Tape surface	matt lacquered, yellow	matt lacquered, yellow	matt lacquered, yellow
End hook	Plastic, 2-c, sliding	stainless steel, sliding	stainless steel, sliding
Tape stop	Brake, 2-piece	Brake, 2-piece	Brake, 2-piece
Rivets for end hooks	3	2	2
Retraction damping end hook	Shock absorber	Shock absorber	Shock absorber
Reinforcement plate	Synthetic material	stainless steel	stainless steel
Material housing	ABS/TPE	ABS/TPE	ABS
Colour housing	red/black	red/black	chrome-plated
Belt clip	Plastic, 2-part	Stainless steel (8 m: plastic, 2-piece)	stainless steel
Replacement tape	upon request	-	upon request

## SHORT TAPES

### POPULAR



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
PP 3	3	13	■	6	50024201	9002719011958
PP 5	5	19	■	6	50024301	9002719012146
PP 8	8	25	■	6	50024401	9002719016144
PP 3	3	13	■	45	50024701	9002719002789
PP 5	5	19	■	30	50024801	9002719002918

- Break-resistant 2-c plastic housing
- Secure handling thanks to a non-slip surface and ergonomic design
- Exact 2-piece tape brake for precise inner measuring
- Shock absorber system for a gentle tape stop
- Long-lasting protection against damages through a reinforced initial tape section
- Rugged ABS belt clip for a secure grip

### PROTECT M



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
PE M 525	5	25	■	6	50570601	9002719035664

- Break-resistant 2-c plastic housing
- Secure handling thanks to a non-slip surface and ergonomic design
- Accurate tape brake for accurate internal measurements
- Handy, compact case design
- Long-lasting protection against damages through a reinforced initial tape section
- Magnetic end hook

### UNI-MATIC



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
UM 2	2	16	■	6	50012401	9002719002758
UM 3	3	16	■	6	50012501	9002719002765
UM 5	5	16	■	6	50012601	9002719002772

- Impact resistant ABS plastic housing
- Handy, compact case design
- Lateral tape brake for accurate internal measurements
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip

Technical details:	POPULAR	PROTECT M	UNI-MATIC
Item description	Short tape	Short tape	Short tape
Graduations	mm	mm	mm
EC accuracy class	II	II	II
Material tape	Steel	Steel	Steel
Tape surface	matt lacquered, yellow	matt lacquered, yellow	matt lacquered, yellow
End hook	Steel coated, sliding	Steel coated, sliding	stainless steel, sliding
Tape stop	Brake, 2-piece	Brake, 1-piece	Brake, 1-piece
Rivets for end hooks	2	2	2
Retraction damping end hook	Shock absorber	-	-
Reinforcement plate	stainless steel	stainless steel	stainless steel
Material housing	ABS/TPE	ABS/TPE	ABS
Colour housing	red/black	red/black	grey
Belt clip	Plastic, removable	stainless steel	stainless steel
Replacement tape	-	-	upon request

## SHORT TAPES

### PRO-FLEX

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
PF 3	3	13	□	6	50014234	9002719019183
PF 5	5	19	□	6	50014434	9002719019190
PF 3	3	13	□	50	50027701	9002719017196
PF 5	5	19	□	30	50027801	9002719017202

- Impact resistant ABS plastic housing
- Handy, compact case design
- Accurate tape brake for accurate internal measurements
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip



### COMPACT

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
CO 3	3	16	□	6	50500201	9002719026877
CO 5	5	19	□	6	50500501	9002719026907
CO 8	8	25	□	6	50500801	9002719026938
CO 3	3	16	□	48	50510201	9002719026952
CO 5	5	19	□	30	50510501	9002719026976
CO 8	8	25	□	12	50510801	9002719027003

- Impact resistant ABS plastic housing
- Handy, compact case design
- Accurate tape brake for accurate internal measurements
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip



### COMPACT M

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
COM 5	5	19	□	6	50520501	9002719030829
COM 8	8	25	□	6	50520801	9002719030843

- Magnetic end hook
- Handy, compact case design
- Accurate tape brake for accurate internal measurements
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip



#### Technical details:

	PRO-FLEX	COMPACT	COMPACT M
Item description	Short tape	Short tape	Short tape
Graduations	mm	mm	mm
EC accuracy class	II	II	II
Material tape	Steel	Steel	Steel
Tape surface	matt lacquered, yellow	matt lacquered, yellow	matt lacquered, yellow
End hook	stainless steel, sliding	Steel coated, sliding	Steel coated, sliding
Tape stop	Brake, 1-piece	Brake, 1-piece	Brake, 1-piece
Rivets for end hooks	2	2	2
Retraction damping end hook	-	Shock absorber	Shock absorber
Reinforcement plate	-	stainless steel	stainless steel
Material housing	ABS	ABS	ABS
Colour housing	red	red	chrome-plated
Belt clip	stainless steel	stainless steel	stainless steel

## SHORT TAPES

### VIDEO-FLEX

II  
mm



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
VF 3	3	13	■	6	50012901	9002719003984

- Impact resistant ABS plastic housing
- Handy, compact case design
- Permanent tape brake with release button
- Convenient display of inner measurements through a viewing window
- Long-lasting protection against damages through a reinforced initial tape section
- Robust steel belt clip for a secure grip

### TALMETER

II  
mm



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
TAL 2	2	16	■	6	51011201	9002719020035
TAL 3	3	16	■	6	51011601	9002719020042

- Impact resistant ABS plastic housing
- Handy, compact case design
- Permanent tape brake with release button
- Outer and inner measurement with marking function
- Diameter scale on the tape reverse side
- Circle function to select circular shapes

#### Technical details:

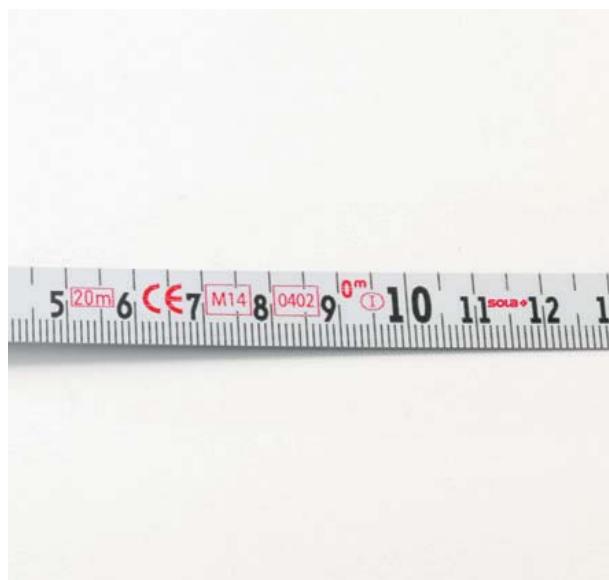
	VIDEO-FLEX	TALMETER
Item description	Short tape	Short tape
Graduations	mm	mm
EC accuracy class	II	II
Material tape	Steel	Steel
Tape surface	matt lacquered, yellow	matt lacquered, white
End hook	stainless steel, sliding	stainless steel, rigid
Tape stop	Backstop	Backstop
Rivets for end hooks	2	1
Material housing	ABS	ABS
Colour housing	grey	black
Belt clip	stainless steel	-
Replacement tape	upon request	-

**SOLA**®  
PASSION FOR PRECISION



**LONG TAPES**

## LONG TAPES



### MEASURING ACCURACY

All SOLA long tapes correspond to either Class I or Class II according to EC standards. This allows SOLA to guarantee the utmost precision in measuring.

Deviation $\pm$ mm over total length			
Length	Class I	Class II	Class III
10 m	1.10	2.30	4.60
20 m	2.10	4.30	8.60
30 m	3.10	6.30	12.60
50 m	5.10	10.30	20.60
100 m	10.10	20.30	40.60

### CONFORMITY MARKING

Directive 2014/32/EU of the European Parliament came into force on 26 February 2014 in the member states of the European Union and the European Economic Area. This directive contains the procedures, under which manufacturers of measuring tools have to declare the conformity to the specification.

Note the following markings:

1. Nominal length of the measuring device
2. CE-marking
3. Year of manufacture
4. Mark from Office of Weights and Measures
5. Accuracy class
6. Manufacturers name or registered identification mark

30m CE M20 0402 II SOLA

### STEEL TAPE

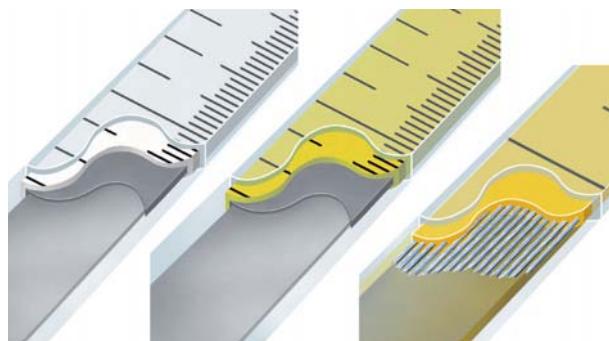
SOLA steel tapes are made of high-quality steel with a high carbon content and are thoroughly coated, first with a colour coating and then a clear coating. This provides optimal protection against corrosion.

### TUF COTE

A special additional polyamide blade coating combines the stiffness of steel with the high break resistance of a glass fibre blade.

### GLASS FIBRE BLADE

The secret lies in the right balance between quantity and quality in the glass fibres. Low-quality glass fibres stretch easily since they contain too few individual fibres. SOLA uses only the best quality.



## LONG TAPES



### FRAME TAPE MEASURE

The tape is built into an open frame. There are three main types of frames:

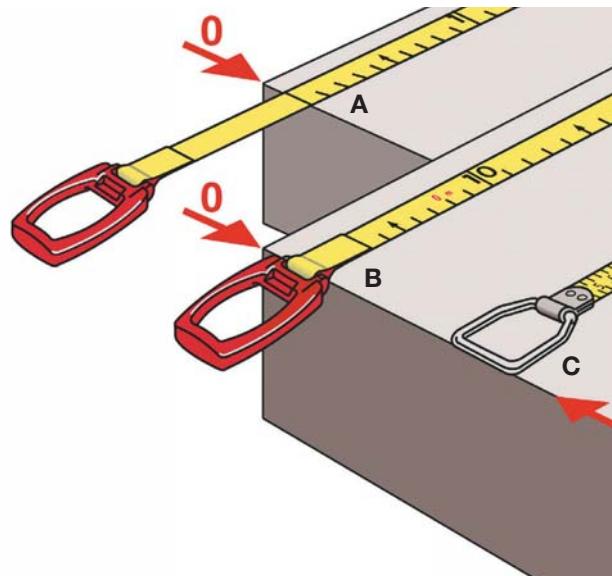
- Y-frames: High-quality, stable aluminium frame. Designed for longevity and toughness.
- V-frames: Durable plastic frame. Light and easy to use.
- Simple frames: High-quality aluminium frame. Light and easy to use.

### CASE TAPE MEASURE

The tape has been enclosed in a case. This provides maximum protection against dirt and damage. The housing of the SOLA models Futura and Satellite was developed according to the most up-to-date ergonomic principles. The unique and handy design of the Futura handle has been patented worldwide.

### MULTI-FUNCTIONAL END HOOKS

All long steel tapes from SOLA have a multi-functional end hook. It is very versatile and its universal steel claw allows it to be used for tension measurement.



### BLADE ENDING TYPES

- Blade ending A: The zero point is 10 cm behind the ring/hook.
- Blade ending B: The zero point is at the end of the hook fixture.
- Blade ending C: The zero point is at the outside of the ring.



## OVERVIEW LONG TAPES

STEEL LONG TAPES		
<b>SURVEYOR C</b>	 mm	
<b>PROSPECTOR C</b>	 mm	
<b>SPRINTER</b>	 mm	
<b>EXPLORER</b>	 mm	
<b>SATELLITE</b>	 mm	
<b>PROSPECTOR R</b>	 mm	
<b>PACER R</b>	 mm	
<b>TRACKER R</b>	 mm	
GLASS-FIBRE LONG TAPES		
<b>PROSPECTOR F</b>	 mm	
<b>RANGER</b>	 mm	
<b>FUTURA</b>	 mm	
TELESCOPE SCALE		
<b>TEL</b>		
		Page 115

## STEEL LONG TAPES

### SURVEYOR C

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
SC 30	30	13	<input checked="" type="checkbox"/>	1	50047901	9002719020189
SC 50	50	13	<input checked="" type="checkbox"/>	1	50048901	9002719020196

- Tough, buckling- and break-resistant through TUFCOTE® coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Moisture-resistant
- Very high chemical resistance
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Ergonomically designed housing with many additional features for a fatigue-free work
- Long-lasting protection against damages through a reinforced initial tape section



### PROSPECTOR C

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
YC 30	30	13	<input checked="" type="checkbox"/>	1	50053801	9002719006596
YC 50	50	13	<input checked="" type="checkbox"/>	1	50053901	9002719006602

- Tough, buckling- and break-resistant through TUFCOTE® coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Moisture-resistant
- Very high chemical resistance
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Robust aluminium Y-frame
- Long-lasting protection against damages through a reinforced initial tape section



### SPRINTER

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
SR 30	30	10	<input checked="" type="checkbox"/>	2	50081501	9002719024088

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- 3x faster tape retraction through a crank gear drive
- Retractable handle prevents injuries
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Break-resistant 2-c plastic housing
- Maximum protection against dirt and damage



Technical details:	SURVEYOR C	PROSPECTOR C	SPRINTER
Item description	Measuring tape	Measuring tape	Measuring tape
Graduations	mm	mm	mm
EC accuracy class	I	II	I
Material tape	Steel	Steel	Steel
Tape surface	TUFCOTE®, yellow	TUFCOTE®, yellow	matt lacquered, white
End hook	Multi-function	Multi-function	Multi-function
Rivets for end hooks	2	2	2
Reinforcement plate	Synthetic material	Synthetic material	Synthetic material
Material housing	ABS/TPE	Aluminium	ABS/TPE
Colour housing	red/grey	silver	red/black
Replacement tape	upon request	upon request	upon request
Housing form	Y-frame	Y-frame	Capsule
Initial tape section	B	B	B
Crank gear ratio	1:1	1:1	3:1

## STEEL LONG TAPES

### EXPLORER



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
EP 20	20	13	1	2	50080301	9002719024101
EP 30	30	13	1	2	50080501	9002719024552
EP 50	50	13	1	2	50080601	9002719024125

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Retractable handle prevents injuries
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Break-resistant 2-c plastic housing
- Maximum protection against dirt and damage

### SATELLITE



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
ST 10	10	10	1	5	50055701	9002719002642
ST 20	20	10	1	5	50055901	9002719012115
ST 30	30	10	1	5	50056101	9002719012153

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Retractable handle prevents injuries
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Impact resistant ABS plastic housing
- Maximum protection against dirt and damage

### PROSPECTOR R



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
YR 30	30	13	1	1	50051701	9002719006558
YR 50	50	13	1	1	50051801	9002719006565

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Robust aluminium Y-frame
- Long-lasting protection against damages through a reinforced initial tape section

#### Technical details:

	EXPLORER	SATELLITE	PROSPECTOR R
Item description	Measuring tape	Measuring tape	Measuring tape
Graduations	mm	mm	mm
EC accuracy class	I	II	II
Material tape	Steel	Steel	Steel
Tape surface	matt lacquered, white	matt lacquered, white	matt lacquered, white
End hook	Multi-function	Multi-function	Multi-function
Rivets for end hooks	2	2	2
Reinforcement plate	Synthetic material	Synthetic material	Synthetic material
Material housing	ABS/TPE	ABS	Aluminium
Colour housing	red/black	grey	silver
Replacement tape	upon request	upon request	upon request
Housing form	Capsule	Capsule	Y-frame
Initial tape section	B, A on request	B	B
Crank gear ratio	1:1	1:1	1:1

## STEEL LONG TAPES

### PACER R

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
PR 100	100	13	<input checked="" type="checkbox"/>	1	50052901	9002719013631

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Shock-resistant ABS plastic frame
- Ergonomically shaped handle



### TRACKER R

Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
TR 20	20	13	<input checked="" type="checkbox"/>	1	50050901	9002719006497
TR 30	30	13	<input checked="" type="checkbox"/>	1	50051101	9002719006510
TR 50	50	13	<input checked="" type="checkbox"/>	1	50051201	9002719006527

- Durable steel tape with a rust-protective phosphate coating
- Glare-free work and easy reading of measurements through a reflection-free coating
- Multifunction end-hook for the secure attachment to pipes, nails or screws
- Light and stable aluminium frame
- Ergonomically shaped handle



#### Technical details:

	PACER R	TRACKER R
Item description	Measuring tape	Measuring tape
Graduations	mm	mm
EC accuracy class	II	II
Material tape	Steel	Steel
Tape surface	matt lacquered, white	matt lacquered, white
End hook	Multi-function	Multi-function
Rivets for end hooks	2	2
Reinforcement plate	Synthetic material	Synthetic material
Material housing	ABS	Aluminium
Colour housing	grey	silver
Replacement tape	upon request	upon request
Housing form	V-frame	Simple frame
Initial tape section	B	B
Crank gear ratio	1:1	1:1

## GLASS-FIBRE LONG TAPES

### PROSPECTOR F



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
YF 30	30	13	■	1	50059301	9002719010784
YF 50	50	13	■	1	50059401	9002719013167

- Tough, buckling- and break-resistant glass-fibre tape
- Cold and humidity resistant
- High chemical resistance
- Electrically non-conductive
- Low weight
- Robust aluminium Y-frame
- Ergonomically shaped handle

### RANGER



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
RN 30	30	13	■	1	50058801	9002719006725
RN 50	50	13	■	1	50058901	9002719006732

- Tough, buckling- and break-resistant glass-fibre tape
- Cold and humidity resistant
- High chemical resistance
- Electrically non-conductive
- Low weight
- Shock-resistant ABS plastic frame
- Ergonomically shaped handle

### FUTURA



Model	L [m]	B [mm]	VP	VE	Art. Nr.	EAN
FT 10	10	13	■	1	50057501	9002719012108
FT 20	20	13	■	1	50057701	9002719012405
FT 30	30	13	■	1	50057901	9002719012160

- Tough, buckling- and break-resistant glass-fibre tape
- Cold and humidity resistant
- High chemical resistance
- Electrically non-conductive
- Low weight
- Impact resistant ABS plastic housing
- Maximum protection against dirt and damage

#### Technical details:

	PROSPECTOR F	RANGER	FUTURA
Item description	Measuring tape	Measuring tape	Measuring tape
Graduations	mm	mm	mm
EC accuracy class	II	II	II
Material tape	Glass-fibre yellow	Glass-fibre yellow	Glass-fibre yellow
End hook	Plastic ring	Plastic ring	Plastic ring
Material housing	Aluminium	ABS	ABS
Colour housing	silver	grey	grey
Replacement tape	upon request	upon request	upon request
Housing form	Y-frame	V-frame	Capsule
Initial tape section	B	B, A/C on request	B
Crank gear ratio	1:1	1:1	1:1

## TELESCOPE SCALE

TEL

Model	L	VP	VE	Art. Nr.	EAN
TEL 500	<b>1.07 - 5.00 m</b>		1	57070501	9002719003786
TEL 300	<b>0.70 - 3.00 m</b>		1	57070701	9002719016786
TEL 400	<b>0.86 - 4.00 m</b>		1	57070801	9002719016793
TEL 800 S	<b>1.53 - 8.00 m</b>		1	57071201	9002719009726

- Dust and abrasion-resistant plastic guide
- Tape measure with a specially dimensioned winding device
- Big plate as a working face and extension help
- For TEL 800 S measurement display at eye level



LONG TAPES

### Technical details:

	TEL
Item description	Telescope scale
Number of horizontal vials	1
Special characteristic	Analogue display
Graduations	mm
Measuring tolerance	3 m, 4 m: 1.00 mm/m 5 m: 1.50 mm/m 8 m: 2.00 mm/m



**SOLA**®  
PASSION FOR PRECISION



**MEASURING WHEELS**

## MEASURING WHEELS



### QUICK AND SIMPLE MEASUREMENT OF SHORT AND LONG DISTANCES

The measuring wheel is the perfect tool for measuring both long and short distances, either along straight lines or around bends. This practical piece of equipment is suitable for indoor and outdoor use, and both commercial and domestic applications. The wheel is fitted with a counter, which makes it much quicker to take measurements than with a tape measure. Plus, users can easily take measurements single-handedly without assistance.

### WIDE RANGE OF APPLICATIONS

Measuring wheels are used in road building, gardening and landscaping projects to measure plots, sports pitches, lawns and more. The police and other experts also use them, for example, to take official measurements at the site of an accident.

### HIGH PRECISION COUNTER ABOVE THE WHEEL

Measuring wheels measure distances using a mechanical counter. The counter is connected to the wheel and counts the number of rotations made. The distance covered by the wheel is then clearly displayed on the shock-resistant counter, which is positioned above the wheel.

### A PRACTICAL TOOL

Measuring wheels are easy to store and transport thanks to their adjustable handle, light weight and compact design.

### HIGHLIGHTS

- Easily transportable, thanks to a practical size and low weight
- Precise measurement results at a tolerance of  $\pm 3\text{mm/m}$  due to a wear-resistant plastic wheel
- Flexible and easy to use thanks to the steplessly height-adjustable telescopic guide rod
- Quick to reset using zeroing lever positioned on the side of the 5-figure counter
- Measurement is quicker and easier than with a measuring tape
- Measurements can be carried out by one person



## MEASURING WHEELS



### MW 305

The MW 305 measuring wheel combines quality and reliability with a practical size at a low weight. The analogue lightweight measuring wheel is particularly suitable for measuring short distances, indoor and outdoor. In addition, curved and asymmetrical surfaces can also be measured very easily using the manoeuvrable measuring wheel.

Thanks to its practical size, the low weight, and the steplessly adjustable telescopic rod, the MW 305 can be effortlessly packed into any toolbox and is very easy to transport. The 5-figure analogue counter resets each time the button is pressed, and also registers reverse measurements. In combination with the wear-resistant plastic wheel, precise measuring results at a tolerance of  $\pm 3\text{mm/m}$  make the mini measuring wheel a winner.



### MW 1000

The MW 1000 standard measuring wheel is suitable in particular for measuring long and straight distances, such as in road building or landscaping. The stable spoked wheel remains reliably in the track and ensures optimum smooth running, with the result that long distances can be measured with ease.

The ergonomic pistol grip ensures additional comfort, and the height-adjustable telescopic guide rod with safety reflectors ensures safe work, in particular in road traffic. The 5-figure analogue counter above the measuring wheel also registers reverse measurements, can be read from a standing position, and can be easily reset at the press of a button.

The measuring wheel can be supported using a lateral folding stand.



#### Adjustable guide rod

Flexible and easy to use thanks to the steplessly height-adjustable telescopic grip.



#### 5-figure counter

The counter above the measuring wheel also allows for reverse measurements – i.e. subtractions – can be read comfortably from a standing position, and can be easily reset at the press of a button.



#### Folding stand (MW 1000)

Stable support leg can also be folded out to the side, and thus support the measuring wheel at any time.

**OVERVIEW MEASURING WHEELS**

<b>MEASURING WHEELS</b>	
<b>MW 1000</b>	
<b>MW 305</b>	
<b>MEASURING WHEELS ACCESSORIES</b>	
<b>BAG MW</b>	

## MEASURING WHEELS

### MW 1000

Model	L	VP	VE	Art. Nr.	EAN
MW 1000	0 - 9999.9 m		1	57080201	9002719038160

- High-quality rubber wheel
- Extra-strong pistol grip
- Robust metal telescope guide rod
- Fold-out side stands
- Safety reflector



### MW 305

Model	L	VP	VE	Art. Nr.	EAN
MW 305	0 - 9999.9 m		1	57080101	9002719038153

- Compact and space-saving
- High-quality rubber wheel
- Robust aluminium telescope guide rod


**Technical details:**

	MW 1000	MW 305
Item description	Measuring wheel	Measuring wheel
Special characteristic	Wheel circumference 1000 mm	Wheel circumference 305 mm
Graduations	dm/m	dm/m
Measuring tolerance	±3.00 mm	±3.00 mm

**BAG MW**

Model	L [cm]	VP	VE	Art. Nr.	EAN
BAG MW 1000	70	<input checked="" type="checkbox"/>	1	R316159	9002719041603

**Technical details:**

Item description	Protective pouch for measuring wheels
Material	Synthetic fibre
Colour	black



**SQUARES/RULERS**


**MATERIAL/FINISH**

Only the highest quality materials are used for SOLA-squares. Our high quality standards are the minimum requirement for both the stocks and the measuring blade.

- The blades are made of hardened, flame-blued, plain, stainless or galvanized steel.
- The stocks are made of die-cast aluminium, plastic or anodized aluminium (giving surface protection).

All measurement graduations are etched or printed on to the stocks or blades. The measuring surfaces are either milled, polished or sanded. All squares edges are finely finished for accuracy.

**MATERIAL BLADES**


stainless steel



flame-blued and hardened spring steel



flame-blued spring steel



spring steel, powder coated

**MATERIAL STOCKS**


ABS plastic



coated die-cast aluminium



bronze anodized aluminium

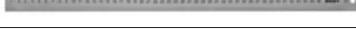
**QUALITY CONTROL**

At SOLA the quality control starts with the selection of materials. During production, each individual manufacturing process is carefully monitored to ensure the highest degree of quality.

Where high accuracy is required, reliable Measuring tools are an indispensable factor. With SOLA Squares you can be sure you are using a carefully tested tool. We guarantee an accurate product and thanks to the robust design, also a long service life.



## OVERVIEW SQUARES/RULERS

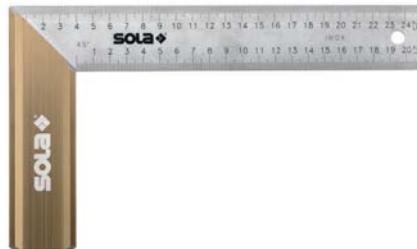
JOINER'S SQUARES		
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SRG		Page 128
SRC		Page 128
SRK		Page 129
MITRE SQUARES		
GWB		Page 130
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**OVERVIEW SQUARES/RULERS**

<b>PROTRACTOR</b>		
<b>WIM</b>		Page 138
<b>WITRON</b>		Page 138

## JOINER'S SQUARES

### SRB



Model	L	VP	VE	Art. Nr.	EAN
SRB 200	200 x 145 mm	■	6	56012001	9002719021001
SRB 250	250 x 145 mm	■	6	56012101	9002719021018
SRB 300	300 x 145 mm	■	6	56012201	9002719021025
SRB 350	350 x 170 mm	■	6	56012301	9002719021032
SRB 400	400 x 170 mm	■	6	56012401	9002719021049
SRB 500	500 x 170 mm	■	6	56012501	9002719021056

- Rugged aluminium handle with a wide working face
- Particularly resistant, stainless spring steel blade
- Wear-resistant, easy to read scale
- Integrated mitre working face 45°/135°

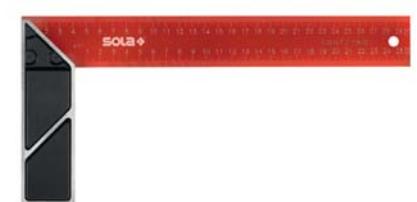
### SRG



Model	L	VP	VE	Art. Nr.	EAN
SRG 200	200 x 145 mm	■	6	56013001	9002719021063
SRG 250	250 x 145 mm	■	6	56013101	9002719018469
SRG 300	300 x 145 mm	■	6	56013201	9002719018476
SRG 350	350 x 170 mm	■	6	56013301	9002719018483
SRG 400	400 x 170 mm	■	6	56013401	9002719018490
SRG 500	500 x 170 mm	■	6	56013501	9002719018506

- Rugged aluminium handle with a wide working face
- Blued spring-steel blade for a glare-free work and easy reading of measurements
- Wear-resistant, easy to read scale
- Integrated mitre working face 45°/135°

### SRC



Model	L	VP	VE	Art. Nr.	EAN
SRC 200	200 x 145 mm	■	6	56014001	9002719021070
SRC 250	250 x 145 mm	■	6	56014101	9002719021087
SRC 300	300 x 145 mm	■	6	56014201	9002719021094
SRC 350	350 x 170 mm	■	6	56014301	9002719021100
SRC 400	400 x 170 mm	■	6	56014401	9002719021117
SRC 500	500 x 170 mm	■	6	56014501	9002719021124

- Lightweight, rugged aluminium handle
- Highly abrasion-resistant, dirt-repellent coating
- Very good readability of the measurement results through an increased contrast
- Integrated mitre working face 45°/135°

#### Technical details:

	SRB	SRG	SRC
Item description	Joiner's square	Joiner's square	Joiner's square
Graduations	mm/cm, 2-piece, etched	mm/cm, 2-piece, etched	mm/cm, 2-piece, printed
Blade material	Stainless spring steel	Spring steel	Spring steel
Blade surface	polished	polished	coated
Blade colour	blank	blued	red
Handle material	Aluminium	Aluminium	Aluminium die-cast
Handle surface	anodized	anodized	coated
Handle colour	bronze	bronze	black
Scale-grid	1 mm	1 mm	1 mm
Angular dimension	45°, 90°, 135°	45°, 90°, 135°	45°, 90°, 135°

## JOINER'S SQUARES

SRK

Model	L	VP	VE	Art. Nr.	EAN
SRK 250	250 x 145 mm		6	56016001	9002719018384
SRK 300	300 x 145 mm		6	56016101	9002719018391

- Light grip made of impact resistant ABS plastic prevents damage to delicate surfaces
- Particularly resistant, stainless spring steel blade
- Wear-resistant, easy to read scale
- Integrated mitre working face 45°/135°



### Technical details:

	SRK
Item description	Joiner's square
Graduations	mm/cm, 2-piece, etched
Blade material	Stainless spring steel
Blade surface	polished
Blade colour	blank
Handle material	ABS, fibre-glass reinforced
Handle colour	black
Scale-grid	1 mm
Angular dimension	45°, 90°, 135°

## MITRE SQUARES

### GW B



Model	L	VP	VE	Art. Nr.	EAN
GW B 300	300 x 110 mm	<input type="radio"/>	6	56031101	9002719021223

- Rugged aluminium handle with a wide working face
- Particularly resistant, stainless spring steel blade
- Precise 45° and 135° mitre squares

### GW G



Model	L	VP	VE	Art. Nr.	EAN
GW G 300	300 x 110 mm	<input type="radio"/>	6	56032101	9002719018520

- Rugged aluminium handle with a wide working face
- Blued spring-steel blade for a glare-free working
- Precise 45° and 135° mitre squares

#### Technical details:

	GW B	GW G
Item description	Mitre squares	Mitre squares
Blade material	Stainless spring steel	Spring steel
Blade surface	polished	polished
Blade colour	blank	blued
Handle material	Aluminium	Aluminium
Handle surface	anodized	anodized
Handle colour	bronze	bronze
Angular dimension	45°, 135°	45°, 135°

## ADJUSTABLE SQUARES

### VSTG

Model	L	VP	VE	Art. Nr.	EAN
VSTG 200	200 mm	<input type="radio"/>	6	56052001	9002719021131
VSTG 250	250 mm	<input type="radio"/>	6	56052101	9002719021148
VSTG 300	300 mm	<input type="radio"/>	6	56052201	9002719021155



- Rugged aluminium handle with a wide working face
- Particularly resistant, spring-steel blade
- Variably adjustable, fixable angular dimensions
- Scale for the readout and transfer of the set angles

### GR

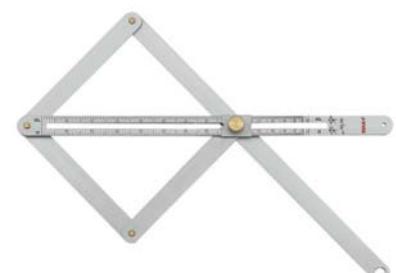
Model	L	VP	VE	Art. Nr.	EAN
GR 120	120 x 80 mm	<input type="radio"/>	1	57012001	9002719003557
GR 150	150 x 80 mm	<input type="radio"/>	1	57012101	9002719003564
GR 200	200 x 150 mm	<input type="radio"/>	1	57012201	9002719003571
GR 300	300 x 200 mm	<input type="radio"/>	1	57012301	9002719021209



- Robust construction for a long service life
- High corrosion resistance through a chrome-plated surface
- Variably adjustable, fixable angular dimensions
- Grade scale for precise reading and transfer of set angles

### VK

Model	L	VP	VE	Art. Nr.	EAN
VK 380	170 x 380 mm	<input type="radio"/>	1	56900101	9002719018407



- Lightweight, rugged aluminium combination square
- Display of angle and complementary angle
- Variably adjustable, fixable angular dimensions
- Grade scale for precise reading and transfer of set angles

Technical details:	VSTG	GR	VK
Item description	Folding square	Graduator	Combination square
Graduations	Degree, 2-piece, engraved	0 - 180°, etched	0 - 180°, 2-part, printed
Blade material	Stainless spring steel	Steel	Aluminium
Blade surface	polished	chrome-plated	anodized
Blade colour	-	chrome	silver
Handle material	Aluminium	Steel	-
Handle surface	anodized	chrome-plated	-
Handle colour	bronze	chrome	-
Scale-grid	-	1°	-
Angular dimension	variable, 45°, 60°, 90°, 120°	variable	variable

## ADJUSTABLE SQUARES

### QUATTRO



Model	L	VP	VE	Art. Nr.	EAN
QUATTRO	250 x 170 mm	<input checked="" type="checkbox"/>	1	56017001	9002719020349

- Lightweight, rugged aluminium handle
- Particularly resistant, stainless spring steel blade
- Three locking angle positions: 45°, 90°, 135°

**Technical details:**

Item description	Adjustable square
Graduations	mm/cm, 2-piece, etched
Blade material	Stainless spring steel
Blade surface	polished
Handle material	Aluminium
Handle surface	anodized
Handle colour	silver
Scale-grid	1 mm
Angular dimension	45°, 90°, 135°

## LOCKSMITH'S SQUARE

**SW**

Model	L	VP	VE	Art. Nr.	EAN
SW 100	<b>100 x 70 mm</b>	<input type="radio"/>	1	56110201	9002719020943
SW 150	<b>150 x 100 mm</b>	<input type="radio"/>	1	56110301	9002719008163
SW 200	<b>200 x 130 mm</b>	<input type="radio"/>	1	56110401	9002719008170
SW 250	<b>250 x 160 mm</b>	<input type="radio"/>	1	56110501	9002719008187
SW 300	<b>300 x 180 mm</b>	<input type="radio"/>	1	56110601	9002719008194
SW 400	<b>400 x 230 mm</b>	<input type="radio"/>	1	56110701	9002719008200
SW 500	<b>500 x 280 mm</b>	<input type="radio"/>	1	56110801	9002719008217
SW 600	<b>600 x 330 mm</b>	<input type="radio"/>	1	56110901	9002719008224
SW 750	<b>750 x 375 mm</b>	<input type="radio"/>	1	56111001	9002719020950
SW 1000	<b>1000 x 500 mm</b>	<input type="radio"/>	1	56111101	9002719020967



- Extremely rugged steel brackets
- High corrosion resistance through a zinc-plated surface
- Precision-crafted measuring surfaces

**SWA**

Model	L	VP	VE	Art. Nr.	EAN
SWA 100	<b>100 x 70 mm</b>	<input type="radio"/>	1	56112201	9002719020974
SWA 150	<b>150 x 100 mm</b>	<input type="radio"/>	1	56112301	9002719008231
SWA 200	<b>200 x 130 mm</b>	<input type="radio"/>	1	56112401	9002719008248
SWA 250	<b>250 x 160 mm</b>	<input type="radio"/>	1	56112501	9002719008255
SWA 300	<b>300 x 180 mm</b>	<input type="radio"/>	1	56112601	9002719008262
SWA 400	<b>400 x 230 mm</b>	<input type="radio"/>	1	56112701	9002719008279
SWA 500	<b>500 x 280 mm</b>	<input type="radio"/>	1	56112801	9002719008286
SWA 600	<b>600 x 330 mm</b>	<input type="radio"/>	1	56112901	9002719008293
SWA 750	<b>750 x 375 mm</b>	<input type="radio"/>	1	56113001	9002719020981
SWA 1000	<b>1000 x 500 mm</b>	<input type="radio"/>	1	56113101	9002719020998



- Extremely rugged steel bracket with a wide working face
- High corrosion resistance through a zinc-plated surface
- Precision-crafted measuring surfaces

**FW**

Model	L	VP	VE	Art. Nr.	EAN
FW 300	<b>300 x 435 mm</b>	<input type="radio"/>	1	56150601	9002719024323
FW 400	<b>400 x 560 mm</b>	<input type="radio"/>	1	56150701	9002719024347
FW 500	<b>500 x 660 mm</b>	<input type="radio"/>	1	56150801	9002719024361
FW 600	<b>600 x 760 mm</b>	<input type="radio"/>	1	56150901	9002719024385



- Extremely rugged steel brackets
- High corrosion resistance through a zinc-plated surface
- Precision-crafted measuring surfaces

Technical details:	SW	SWA	FW
Item description	Locksmith's square	Locksmith's square	Flange square
Material	Steel	Steel	Steel
Surface	polished	polished	polished
Colour	galvanized	galvanized	galvanized
Special characteristic	-	Working face	-
Angular dimension	90°	90°	90°
Width	20 mm, 25 mm, 30 mm	20 mm, 25 mm, 30 mm	30 mm
Thickness	5 mm	5 mm	5 mm

## CARPENTER'S SQUARE

### ZWZ



Model	L	VP	VE	Art. Nr.	EAN
ZWZ 500	500 x 290 mm	○	1	56130201	9002719020905
ZWZ 600	600 x 290 mm	○	1	56130301	9002719008309
ZWZ 700	700 x 300 mm	○	1	56130401	9002719008316
ZWZ 800	800 x 320 mm	○	1	56130501	9002719008323
ZWZ 1000	1000 x 360 mm	○	1	56130601	9002719020912

- Highly elastic and shatter-proof
- High corrosion resistance through a zinc-plated surface

### ZWZA



Model	L	VP	VE	Art. Nr.	EAN
ZWZA 500	500 x 290 mm	○	1	56131201	9002719020929
ZWZA 600	600 x 290 mm	○	1	56131301	9002719008330
ZWZA 700	700 x 300 mm	○	1	56131401	9002719008347
ZWZA 800	800 x 320 mm	○	1	56131501	9002719008354
ZWZA 1000	1000 x 360 mm	○	1	56131601	9002719020936

- Highly elastic and shatter-proof
- High corrosion resistance through a zinc-plated surface
- Marking holes for a convenient measurement projection

### ZWZB



Model	L	VP	VE	Art. Nr.	EAN
ZWZB 600	600 x 300 mm	○	1	56135301	9002719008408
ZWZB 700	700 x 300 mm	○	1	56135401	9002719008415

- Highly elastic and shatter-proof
- High corrosion resistance through a zinc-plated surface
- Marking holes for a convenient measurement projection
- Extra wide legs for a high stability

Technical details:	ZWZ	ZWZA	ZWZB
Item description	Carpenter's square	Carpenter's square	Carpenter's square
Material	Steel	Steel	Steel
Surface	polished	polished	polished
Colour	galvanized	galvanized	galvanized
Graduations	-	Marking holes	Marking holes
Scale-grid	-	-	0.5 cm
Angular dimension	90°	90°	90°
Width	35 mm	35 mm	40 mm, 50 mm
Thickness	1.5 mm	1.5 mm	1.7 mm
Marking holes	-	0.5 cm, 2 - 20.5 cm	0.5 cm, 2 - 20.5 cm

## CARPENTER'S SQUARE

### ZWCA

Model	L	VP	VE	Art. Nr.	EAN
ZWCA 600	600 x 280 mm	<input type="radio"/>	1	56132001	9002719019688
ZWCA 700	700 x 300 mm	<input type="radio"/>	1	56132101	9002719019695
ZWCA 800	800 x 320 mm	<input type="radio"/>	1	56132201	9002719019701
ZWCA 1000	1000 x 380 mm	<input type="radio"/>	1	56132401	9002719019718



- Highly elastic and shatter-proof
- Highly abrasion-resistant, dirt-repellent coating
- Marking holes for a convenient measurement projection
- Very good readability of the measurement results through an increased contrast

### AW

Model	L	VP	VE	Art. Nr.	EAN
AW 800	800 x 400 mm	<input type="radio"/>	1	56905001	9002719024408



- Highly elastic and shatter-proof
- Stainless-steel, particularly resistant
- Marking holes for a convenient measurement projection
- Very good readability of the measurement results through an increased contrast
- Flexible angle adjustment with a precise fixation

#### Technical details:

	ZWCA	AW
Item description	Carpenter's square	Alpha square
Material	Steel	Stainless steel
Surface	epoxy coated	polished
Colour	red	-
Graduations	mm/cm, 2-piece, printed	mm/cm, 2-piece, printed on both sides
Scale-grid	1 mm	1 mm
Angular dimension	90°	90°, variable 0° - 90°
Width	35 mm	35 mm
Thickness	1.7 mm	1.5 mm
Marking holes	0.5 cm, 2 - 20.5 cm	0.5 cm, 2 - 20.5 cm

## CONSTRUCTION SQUARE

### BWS



Model	L	VP	VE	Art. Nr.	EAN
BWS	100 x 150 cm	<input type="radio"/>	1	03493101	9002719009962

- Extremely rugged profile made of high-strength aluminium alloy to enable a long service-life
- Shock-absorbing end caps

### BWW



Model	L	VP	VE	Art. Nr.	EAN
BWW	100 x 150 cm	<input type="radio"/>	1	03492201	9002719009948

- High-strength aluminum profile for the professional craftsmen
- Shock-absorbing end caps

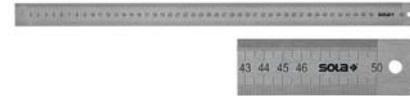
**Technical details:**

	BWS	BWW
Item description	Construction square	Construction square
Material	Aluminium	Aluminium
Surface	anodized	anodized
Colour	silver	silver
Special characteristic	Reinforcement brace	Reinforcement brace
Width	100 mm	50 mm
Thickness	18 mm	23 mm

## RULERS

### LSB

Model	L [mm]	VP	VE	Art. Nr.	EAN
LSB 300	300	<input type="radio"/>	1	56104201	9002719021230
LSB 500	500	<input type="radio"/>	1	56104401	9002719021247
LSB 1000	1000	<input type="radio"/>	1	56104701	9002719021254



- Robust ruler for high operational demands
- Wear-resistant, very easy to read scale
- Particularly resistant, corrosion resistant spring-steel
- High resolution scale for particularly precise measurements

### LSS

Model	L [mm]	VP	VE	Art. Nr.	EAN
LSS 150	150	<input type="radio"/>	1	56103001	9002719021261
LSS 200	200	<input type="radio"/>	1	56103101	9002719021278
LSS 300	300	<input type="radio"/>	1	56103201	9002719021285
LSS 500	500	<input type="radio"/>	1	56103401	9002719021292
LSS 1000	1000	<input type="radio"/>	1	56103701	9002719021308



- Particularly flexible ruler, suitable for measurements on rounded shapes
- Wear-resistant, very easy to read scale
- Particularly resistant, corrosion resistant spring-steel
- High resolution scale for particularly precise measurements

### LAB

Model	L [mm]	VP	VE	Art. Nr.	EAN
LAB 300	300	<input type="radio"/>	1	56100101	9002719021315
LAB 500	500	<input type="radio"/>	1	56100401	9002719021322
LAB 1000	1000	<input type="radio"/>	1	56100701	9002719021339



- Lightweight, rugged work scale with an ergonomic handle groove
- Very good readability of the measurement results through an increased contrast
- Robust aluminium profile

Technical details:	LSB	LSS	LAB
Item description	Steel ruler	Steel ruler	Working rule
Material	Spring steel	Spring steel	Aluminium
Surface	polished	polished	anodized
Colour	-	-	silver
Special characteristic	-	-	Recessed handle
Graduations	mm/cm, 2 piece, etched on both sides	mm/cm, 2 piece, etched on both sides	mm/cm, 1-piece, printed
Scale-grid	0.5 mm	0.5 mm	1 mm
Width	30 mm	13 mm	50 mm
Thickness	1 mm	0.5 mm	5 mm

## PROTRACTOR

### WIM



Model	L [cm]	VP	VE	Art. Nr.	EAN
WIM	60		1	57073401	9002719003830

- Reading window for analogue measured values
- Fast and accurate determination of degrees – even in difficult places
- Clamping screw for a fixing of the angle adjustment
- Compass point replaceable by pencil

### WITRON



Model	L [cm]	VP	VE	Art. Nr.	EAN
WITRON 60	60		1	57075301	9002719006145

- Reading window for digital measured values
- Fast and accurate determination of degrees – even in difficult places
- "I-Hold" function for storing measured values and for transferring angles
- Maintenance-free, no readjustment
- Automatic switch-off
- Backlit display

#### Technical details:

	WIM	WITRON
Item description	Protractor	Electronic protractor
Material	Aluminium box profile	Aluminium box profile
Surface	plastic coated	plastic coated
Colour	red	red
Number of horizontal vials	1	1
Number of vertical vials	1	1
Graduations	1 scale mark = 1°	digital
Measuring tolerance	0.25°	0.10°
Measuring range	180°	355°
Reading option	0.50°	0.05°

**SOLA**®  
PASSION FOR PRECISION



**CHALK LINE REELS**

## CHALK LINE REELS



### CHALK LINE REEL

Those who want to mark out straight lines on surfaces both indoors and out, need a highly practical tool: a chalk line reel. The chalk line reels from SOLA fulfil the specific needs of professional craftsmen. All the reels have an exceptionally tear-resistant 30-metre cord and a large filling chamber for the chalk powder. They are ideal for applications where a clearly visible line is needed, and where the robustness of the cord and housing are paramount.

### AVAILABILITY

The SOLA chalk line reels can be bought individually or in a set with blue or red chalk powder. The various colours of chalk powder can also be purchased individually in the 230-gram bottle or in the extra-large 1400-gram bottle for frequent users.

### SIMPLE AND PRECISE MARKING

The convenient cord pull-out (freewheeling function) allows you to pull out the cord quickly. An end hook, which you can fix securely using a nail, a pin, or on a plate, ensures fixing of the cord when working. The CLP model also has crank gearing. The cord can therefore be drawn in quickly and in a practical manner.

### TEAR-RESISTANT CORD

A key feature of the SOLA chalk line reels is the braided polyester multifilament cord. The physical properties of the cord ensure high tear resistance and optimum adhesion of the colour powder. This makes it ideal for intensive use. The CLG model has a cord thickness of > 2 mm. This allows for every line to be marked out clearly, precisely and consistently over long distances.



CORD THICKNESS	
Marking: Number of impacts	fewer
Precision of the line	exact, clear
Visibility*	visible
Adherence*	temporary
Removal*	simple

\*Depending on surface and coloured powder

## CHALK LINE REELS



### CHALK POWDER

The composition of the chalk powder is crucial for good visibility of the marking. For this reason, the chalk powder from SOLA contains a large number of colour pigments. Several factors play a role in the choice of colour for the chalk powder, including the colour of the surface to be marked, the resistance to wind and rain, and whether or not the line should be hard or easy to wash off. SOLA provides the ideal chalk powder for every situation;



#### NEW:

#### Chalk powder, green CPG 230g

Clearly visible on dark surfaces, fine grinding for high colour application, rain- and wind-proof.



#### Red CPR chalk powder

Clearly visible on light surfaces, good adhesion properties, resistant to rain and wind, hard to remove.



#### Blue CPB chalk powder

Very clearly visible on light surfaces, easy to wash off.



#### White CPW chalk powder

Very clearly visible on dark surfaces, easy to wash off.



#### Orange CPO chalk powder

Clearly visible on all surfaces, resistant to rain and wind, easy to wash off.



#### Black CPBL chalk powder

Good adhesion properties, resistant to rain and wind, very clearly visible on light surfaces, hard to remove.

## OVERVIEW CHALK LINE REELS

CHALK LINE REELS		Vol [g]	Color	
CLP		–	–	Page 143
CLP SET		–	blue / red	Page 143
CLM		–	–	Page 143
CLM SET		–	blue / red	Page 144
CLKS		–	–	Page 144
CLKS SET		–	blue / red	Page 144
CLG		–	–	Page 145
CLG SET		–	blue / red	Page 145
CHALK POWDER				
CPG		230	green	Page 146
CPR		1400 / 230	red	Page 146
CPB		1400 / 230	blue	Page 146
CPW		1400 / 230	White	Page 147
CPO		1400 / 230	orange	Page 147
CPBL		1400 / 230	black	Page 147

## CHALK LINE REELS

### CLP

Model	L [m]	VP	VE	Art. Nr.	EAN
CLP 30	30		6	66110601	9002719023036

- Very lightweight and break-resistant Magnesium housing
- Convenient line extension: freewheel function by pressing the crank axle
- 5x faster line retraction through a crank gear drive
- High colour powder capacity
- Hardened end hook
- Integrated storage location for hooks



### CLP SET

Model	L [m]	Color	VP	VE	Art. Nr.	EAN
CLP 30 SET R	30	red		1	66110642	9002719023050
CLP 30 SET B	30	blue		1	66110643	9002719023067

- Very lightweight and break-resistant Magnesium housing
- Convenient line extension: freewheel function by pressing the crank axle
- 5x faster line retraction through a crank gear drive
- High colour powder capacity
- Hardened end hook
- Integrated storage location for hooks



### CLM

Model	L [m]	VP	VE	Art. Nr.	EAN
CLM 30	30		6	66110501	9002719022992

- Very lightweight and break-resistant Magnesium housing
- Convenient line extension: freewheel function by pressing the crank axle
- High colour powder capacity
- Hardened end hook
- Integrated storage location for hooks



Technical details:	CLP	CLP SET	CLM
Item description	Chalk line reel	Marking set	Chalk line reel
Material	Magnesium die-cast	Magnesium die-cast	Magnesium die-cast
Surface	epoxy coated	epoxy coated	epoxy coated
Colour housing	red/black	red/black	red
Belt clip	stainless steel	stainless steel	stainless steel
Crank gear ratio	5:1	5:1	1:1
Material cord	Polyester multifilament	Polyester multifilament	Polyester multifilament
Cord length	30 m	30 m	30 m
Max. Tensile strength (ISO 2062)	234 N (±3 %)	234 N (±3 %)	234 N (±3 %)
Contents	CLP	CLP + KPB, CLP + KPR	CLM

## CHALK LINE REELS

### CLM SET



Model	L [m]	Color	VP	VE	Art. Nr.	EAN
CLM 30 SET R	30	red	1	1	66110542	9002719023012
CLM 30 SET B	30	blue	1	1	66110543	9002719023029

- Very lightweight and break-resistant Magnesium housing
- Convenient line extension: freewheel function by pressing the crank axle
- High colour powder capacity
- Hardened end hook
- Integrated storage location for hooks

### CLKS



Model	L [m]	VP	VE	Art. Nr.	EAN
CLKS	30	1	6	66114101	9002719041412

- 6x faster line retraction through a crank gear drive
- Lightweight and robust plastic housing with rubber cover for ergonomic handling
- Viewing window to make it quicker to see the amount of chalk left in the device
- Handle made from hardened steel
- Integrated storage location for hooks
- Convenient line extension: freewheel function by pressing the crank axle

### CLKS SET



Model	L [m]	Color	VP	VE	Art. Nr.	EAN
CLKS SET R	30	red	1	1	66114142	9002719041429
CLKS SET B	30	blue	1	1	66114143	9002719041436

- 6x faster line retraction through a crank gear drive
- Lightweight and robust plastic housing with rubber cover for ergonomic handling
- Viewing window to make it quicker to see the amount of chalk left in the device
- Handle made from hardened steel
- Integrated storage location for hooks
- Convenient line extension: freewheel function by pressing the crank axle

#### Technical details:

	CLM SET	CLKS	CLKS SET
Item description	Marking set	Chalk line reel	Marking set
Material	Magnesium die-cast	ABS/TBR	ABS/TBR
Surface	epoxy coated	-	-
Colour housing	red	red	red
Belt clip	stainless steel	-	-
Crank gear ratio	1:1	6:1	6:1
Material cord	Polyester multifilament	Polyester multifilament	Polyester multifilament
Cord length	30 m	30 m	30 m
Max. Tensile strength (ISO 2062)	234 N (±3 %)	196 N (±3 %)	196 N (±3 %)
Contents	CLM + KPB, CLM + KPR	CLKS	CLKS + CPR 230, CLKS + CPB 230

## CHALK LINE REELS

### CLG

Model	L [m]	VP	VE	Art. Nr.	EAN
CLG 30	30	<input checked="" type="checkbox"/>	1	66111101	9002719037224

- Large, sturdy plastic casing
- Cord has extremely high tensile strength
- Cord thickness > 2 mm for clear and durable marking
- Extremely high capacity for coloured powders prevents multiple refilling
- Large filling port for mess-free filling



### CLG SET

Model	L [m]	Color	VP	VE	Art. Nr.	EAN
CLG 30 SET R	30	red	<input checked="" type="checkbox"/>	1	66111142	9002719037248
CLG 30 SET B	30	blue	<input checked="" type="checkbox"/>	1	66111143	9002719037484

- Large, sturdy plastic casing
- Cord has extremely high tensile strength
- Cord thickness > 2 mm for clear and durable marking
- Extremely high capacity for coloured powders prevents multiple refilling
- Large filling port for mess-free filling



#### Technical details:

	CLG	CLG SET
Item description	Chalk line reel	Marking set
Material	High-quality plastic	High-quality plastic
Colour housing	red	red
Crank gear ratio	1:1	1:1
Material cord	Polyester multifilament	Polyester multifilament
Cord length	30 m	30 m
Max. Tensile strength (ISO 2062)	600 N (±3 %)	600N (±3 %)
Contents	CLG	CLG + CPB, CLG + CPR

## CHALK POWDER

### CPG



Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPG 230	230	green	1	66153101	9002719041504	

- Clearly visible on dark surfaces
- Fine grinding for a high colour application
- Resistant to rain and wind

### CPR



Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPR 230	230	red	1	66152101	9002719037460	
CPR 1400	1400	red	1	66152201	9002719037446	

- Easy to see on all surfaces
- Fine grinding for a high colour application
- Resistant to rain and wind
- Good adhesion characteristics
- Hard to remove

### CPB



Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPB 230	230	blue	1	66152301	9002719037422	
CPB 1400	1400	blue	1	66152401	9002719037408	

- Clearly visible on light surfaces
- Fine grinding for a high colour application
- Easy to wipe off

#### Technical details:

	CPG	CPR	CPB
Item description	Chalk powder	Chalk powder	Chalk powder
Material	Chalk powder with colour pigments	Chalk powder with colour pigments	Chalk powder with colour pigments
Colour	green	red	blue

## CHALK POWDER

### CPW

Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPW 230	230	White		1	66152501	9002719037385
CPW 1400	1400	White		1	66152601	9002719037361

- Clearly visible on dark surfaces
- Fine grinding for a high colour application
- Easy to wipe off



### CPO

Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPO 230	230	orange		1	66152701	9002719037286
CPO 1400	1400	orange		1	66152801	9002719037309

- Easy to see on all surfaces
- Fine grinding for a high colour application
- Resistant to rain and wind



### CPBL

Model	Vol [g]	Color	VP	VE	Art. Nr.	EAN
CPBL 230	230	black		1	66152901	9002719037323
CPBL 1400	1400	black		1	66153001	9002719037347

- Good adhesion characteristics
- Fine grinding for a high colour application
- Resistant to rain and wind
- Clearly visible on light surfaces
- Hard to remove



#### Technical details:

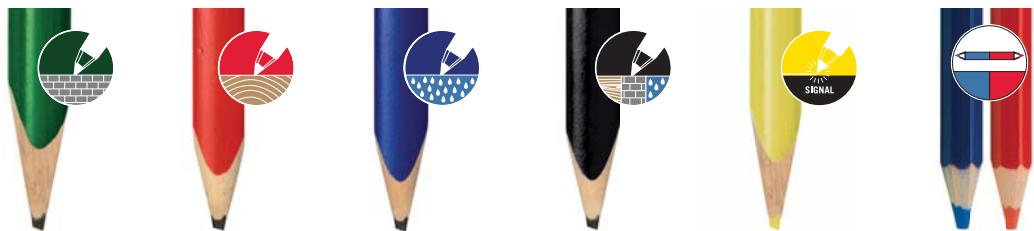
	CPW	CPO	CPBL
Item description	Chalk powder	Chalk powder	Chalk powder
Material	Chalk powder with colour pigments	Chalk powder with colour pigments	Chalk powder with colour pigments
Colour	White	orange	black





**PENCILS / MARKERS**

## PENCILS / MARKERS



PENCIL OPTIONS & APPLICATIONS

Class	STB	ZB	KB	UB	SB	RBB
description	Builder's pencil	Carpenter's pencil	Copying pencil	Universal pencil	Signal pencil	Red/blue pencil
lead	Graphite hardness 10H	Graphite hardness HB	2/3 graphite lead 1/3 copying lead	Graphite lead with wax addition	Coloured lead with wax addition	Graphite lead with wax addition
usage	stone, concrete, brick	dry wood, paper, cardboard	wet wood	tile, ceramic, plastic	metal, dark and smooth surfaces	for labeling of warm and cold
Lenght	24/30 cm	18/24/30 cm	24 cm	24 cm	24 cm	17 cm
wet wood		■■■	■■■■	■	■	■
dry wood	■	■■■■	■■	■■	■■	■■
stone	■■■■	■■	■	■■	■	■■
metal	■	■	■■	■■	■■■■	■■
tile/ceramic				■■■■	■■■■	
glass			■	■■	■■■■	■
concrete	■■■■	■■	■	■■	■	■■
brick	■■■■	■■	■	■■	■	■
gum	■	■		■■	■■■■	■
plastic		■	■	■■■■	■■■■	■
paper/cardboard	■	■■■■	■■	■	■	■■■■
dark surfaces					■■■■	

■■■ excellent   ■■ very good   ■ good



### PENCIL

SOLA pencils are made of high-quality pine wood which makes them easy to sharpen.

### PAINT

We refine each SOLA pencil three times, using high-quality paints that are free of toxic heavy metals. For the sake of our environment.

### PMB/PMR PERMANENT MARKERS

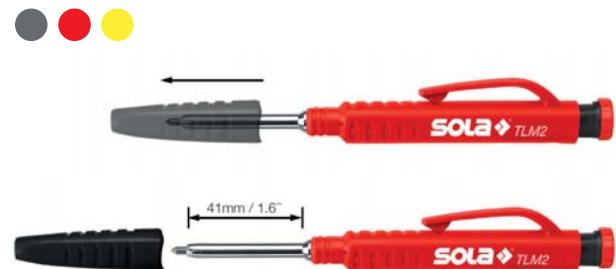
The PMB (black) and PMR (red) permanent markers have universal applications. The water-resistant marker pens write reliably on a wide range of surfaces such as glass, metal, wood, plastic, cardboard, electrical cables, labels and so much more, making them the perfect marking tools for all trades and applications.





### TLM2 DEEP HOLE MARKER

The TLM2 deep hole marker is a multi-functional marking tool. With its screw-on attachment made from ABS plastic, the TLM2 is ideally suited for precise markings and writing. If the attachment is removed, the long, thin stainless steel tip enables pinpoint marking of drill holes and difficult-to-access places. The marker is supplied with an HB graphite lead as standard, but coloured universal refills are also available.



### DHM DRILL HOLE MARKER

The waterproof DHM drill hole marker has a narrow, 25 mm stainless steel tip. The bullet tip allows pinpoint permanent marking – ideal for marking drill holes and difficult-to-access places on dry surfaces.



## OVERVIEW PENCILS / MARKERS

PENCILS		
ZB		SOLA ZB 24
STB		SOLA STB 30
KB		SOLA KB 24
UB		SOLA UB 24
SB		SOLA SB 24
RBB		SOLA RBB
BSP		
DEEP HOLE MARKER		
TLM2 SET		
TLM2		
SG TLM2 HB		
SC TLM2		
DHM		
PERMANENT MARKER		
PMBR SET		
PMB		
PMR		

## PENCILS

### ZB

Model	L [cm]	VP	VE	Art. Nr.	EAN
ZB 18	17.5	100		66010120	9002719011194
ZB 24	24	100		66010520	9002719015079
ZB 24 SB (10 x ZB24)	24	1		66010620	9002719033189
ZB 30	30	100		66010720	9002719015376

- Especially suitable for dry wood, paper, cardboard
- Easy to sharpen
- Strong lead
- High breaking strength



### STB

Model	L [cm]	VP	VE	Art. Nr.	EAN
STB 24	24	100		66011020	9002719016021
STB 30	30	100		66011120	9002719015086
STB 24 SB (10 x STB24)	24	1		66011220	9002719033165

- Especially suitable for brick, stone, concrete
- Easy to sharpen
- Strong lead
- High breaking strength



### KB

Model	L [cm]	VP	VE	Art. Nr.	EAN
KB 24	24	100		66012520	9002719016038
KB 24 SB (10 x KB24)	24	1		66012620	9002719033202

- Particularly suitable for wet wood
- Writes on wet, smooth surfaces
- Strong lead
- High breaking strength
- Hard to remove



#### Technical details:

	ZB	STB	KB
Item description	Carpenter Pencil	Stone carver's pencil	Copier's pencil
Material	Lime wood	Lime wood	Lime wood
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Lead	Graphite, hardness HB	Graphite, hardness 10 H	2/3 graphite and 1/3 copying lead

## PENCILS

### UB



Model	L [cm]	VP	VE	Art. Nr.	EAN
UB 24	24		75	66023520	9002719019374
UB 24 SB (6 x UB24)	24		1	66023620	9002719033226

- Especially suitable for tiles, ceramic, plastic
- Writes on any surface
- Strong lead
- High breaking strength



### SB



Model	L [cm]	VP	VE	Art. Nr.	EAN
SB 24	24		75	66022520	9002719023920
SB 24 SB (6 x SB24)	24		1	66022620	9002719033240

- Especially suitable for dark and smooth surfaces, metal, rubber
- Easy to sharpen
- Strong lead
- High breaking strength



### RBB



Model	L [cm]	VP	VE	Art. Nr.	EAN
RBB 17	17		100	66024020	9002719020011
RBB 17 SB (6 x RBB17)	17		1	66024120	9002719033264

- 1 blue + 1 red lead for corrections
- Labelling warm/cold
- Strong lead
- High breaking strength



#### Technical details:

	UB	SB	RBB
Item description	Universal pencil	Signal pencil	Red-blue pencil
Material	Lime wood	Lime wood	Lime wood
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)	-10 °C to +50 °C (14 °F to 122 °F)
Lead	Graphite/wax composite	Color/wax composite	Color/wax composite

## PENCILS

BSP

Model	L [cm]	VP	VE	Art. Nr.	EAN
BSP	5		25	66009120	9002719031987

- Pencil sharpener and knife combined
- Suitable for all pencil models
- Hardened blade for long life
- Secure handling thanks to a non-slip surface and ergonomic design



### Technical details:

Item description	BSP
Material	ABS plastic

## DEEP HOLE MARKER

### TLM2 SET



Model	L [cm]	VP	VE	Art. Nr.	EAN
TLM2 SET	15		1	66041142	9002719041184

- Special design facilitates deep hole markings up to 45 mm (1.78") in depth
- Lead with small diameter for precise markings
- Integrated sharpener in the push button
- Removable attachment transforms the DHM into a propelling pencil in seconds
- Rugged ABS belt clip for a secure grip

### TLM2



Model	L [cm]	VP	VE	Art. Nr.	EAN
TLM2	15		10	66041120	9002719041160

- Removable attachment transforms the DHM into a propelling pencil in seconds
- Special design facilitates deep hole markings up to 45 mm (1.78") in depth
- Lead with small diameter for precise markings
- Integrated sharpener in the push button
- Rugged ABS belt clip for a secure grip

### SG TLM2 HB



Model	L [cm]	VP	VE	Art. Nr.	EAN
SG TLM2 HB	12		1	66045120	9002719041191

- Especially suitable for dry wood, paper, cardboard

#### Technical details:

#### TLM2 SET

#### TLM2

#### SG TLM2 HB

Item description	Deep-hole marker set	Deep hole marker	DHM refill for TLM2, grey HB
Material	High-quality plastic	High-quality plastic	-
Operating temperature	-10 °C to +40 °C (14 °F to 104 °F)	-10 °C to +40 °C (14 °F to 104 °F)	-10 °C to +40 °C (14 °F to 104 °F)
Contents	20 x TLM2 + 10 x 6 SG TLM2 HB + 10 x 6 SC TLM2	10 x TLM2	10 x 6 SG TLM2 HB
Lead	Graphite, hardness HB	Graphite, hardness HB	Graphite, hardness HB

## DEEP HOLE MARKER

### SC TLM2

Model	L [cm]	VP	VE	Art. Nr.	EAN
SC TLM2	12		1	66046120	9002719041214

- Especially suitable for tiles, ceramic, plastic



### DHM

Model	L [cm]	VP	VE	Art. Nr.	EAN
DHM	14.5		1	66071120	9002719041283

- Water-resistant and quick-drying ink writes reliably on smooth and dry materials such as glass, metal, stone and plastic without smudging
- Easy marking of drill holes and hard-to-reach places thanks to fine stainless steel nib
- Precise marking, drawing and writing with narrow line width
- Light-resistant and quick-drying
- Marker does not roll away while working thanks to the clip



#### Technical details:

	SC TLM2	DHM
Item description	DHM refill for TLM2, colour	Drill hole marker
Material	-	High-quality plastic
Operating temperature	-10 °C to +40 °C (14 °F to 104 °F)	-10 °C to +45 °C (14 °F to 113 °F)
Contents	10 x 6 SC TLM2	20 x DHM
Lead	Color/wax composite	0.5 - 1.5 mm
Colour	-	black
Storage temperature	-	-20 °C to +60 °C

## PERMANENT MARKER

### PMBR SET



Model	L [cm]	VP	VE	Art. Nr.	EAN
PMBR SET	13.8		1	66088142	9002719041276

- Water-resistant on nearly all surfaces
- Light-resistant and quick-drying
- Marker does not roll away while working thanks to the clip
- Particularly suitable for plastic, cardboard, metal, glass, rubber and wood

### PMB



Model	L [cm]	VP	VE	Art. Nr.	EAN
PMB	13.8		1	66081120	9002719041238

- Water-resistant on nearly all surfaces
- Light-resistant and quick-drying
- Marker does not roll away while working thanks to the clip
- Particularly suitable for plastic, cardboard, metal, glass, rubber and wood

### PMR



Model	L [cm]	VP	VE	Art. Nr.	EAN
PMR	13.8		1	66082120	9002719041252

- Water-resistant on nearly all surfaces
- Light-resistant and quick-drying
- Marker does not roll away while working thanks to the clip
- Particularly suitable for plastic, cardboard, metal, glass, rubber and wood

#### Technical details:

	PMBR SET	PMB	PMR
Item description	Permanent marker set, black/red	Permanent marker, black	Permanent marker, red
Material	High-quality plastic	High-quality plastic	High-quality plastic
Colour	black/red	black	red
Operating temperature	-10 °C to +45 °C (14 °F to 113 °F)	-10 °C to +45 °C (14 °F to 113 °F)	-10 °C to +45 °C (14 °F to 113 °F)
Storage temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Contents	20 x PMB + 20 x PMR	10 x PMB	10 x PMR
Lead	1.5 - 3.0 mm	1.5 - 3.0 mm	1.5 - 3.0 mm





► MEASURING INSTRUMENTS PROFESSIONAL 2M



► MEASURING INSTRUMENTS PROFESSIONAL1M

► MEASURING INSTRUMENTS **BASIC 2M**

## MERCHANDISING

► MEASURING INSTRUMENTS **BASIC 1M**► LASER **1M**



► SCREEDING LEVELS 1M



► POS 60 DISPLAY

MERCHANDISING



▶ POS 50 DISPLAY  
FOCUS



▶ POS 50 DISPLAY  
LINEAR MEASURING



▶ POS 50 DISPLAY  
MEASURING INSTRUMENTS



▶ POS 50 DISPLAY  
ANGLE



▶ POS 50 DISPLAY  
SPECIAL



▶ POS 50 DISPLAY  
SPECIAL (PACKED)

## MERCHANDISING



### SOLA T-SHIRT RED Item no.

#### men

S	W012126S
M	W012126M
L	W012126L
XL	W012126XL
XXL	W012126XXL

#### woman

XS	W012127XS
S	W012127S
M	W012127M
L	W012127L
XL	W012127XL
XXL	W012127XXL

### SOLA POLO-SHIRT BLACK Item no.

#### men

S	W012124S
M	W012124M
L	W012124L
XL	W012124XL
XXL	W012124XXL

#### woman

XS	W012125XS
S	W012125S
M	W012125M
L	W012125L
XL	W012125XL
XXL	W012125XXL

### SOLA CAPS Item no.

#### red

W012112

#### grey

W012111



### SOLA KNITTED HAT Item no.

W010129

### SOLA TELESCOPIC UMBRELLA Item no.

W010128

### SOLA DRINK BOTTLE Item no.

W010124



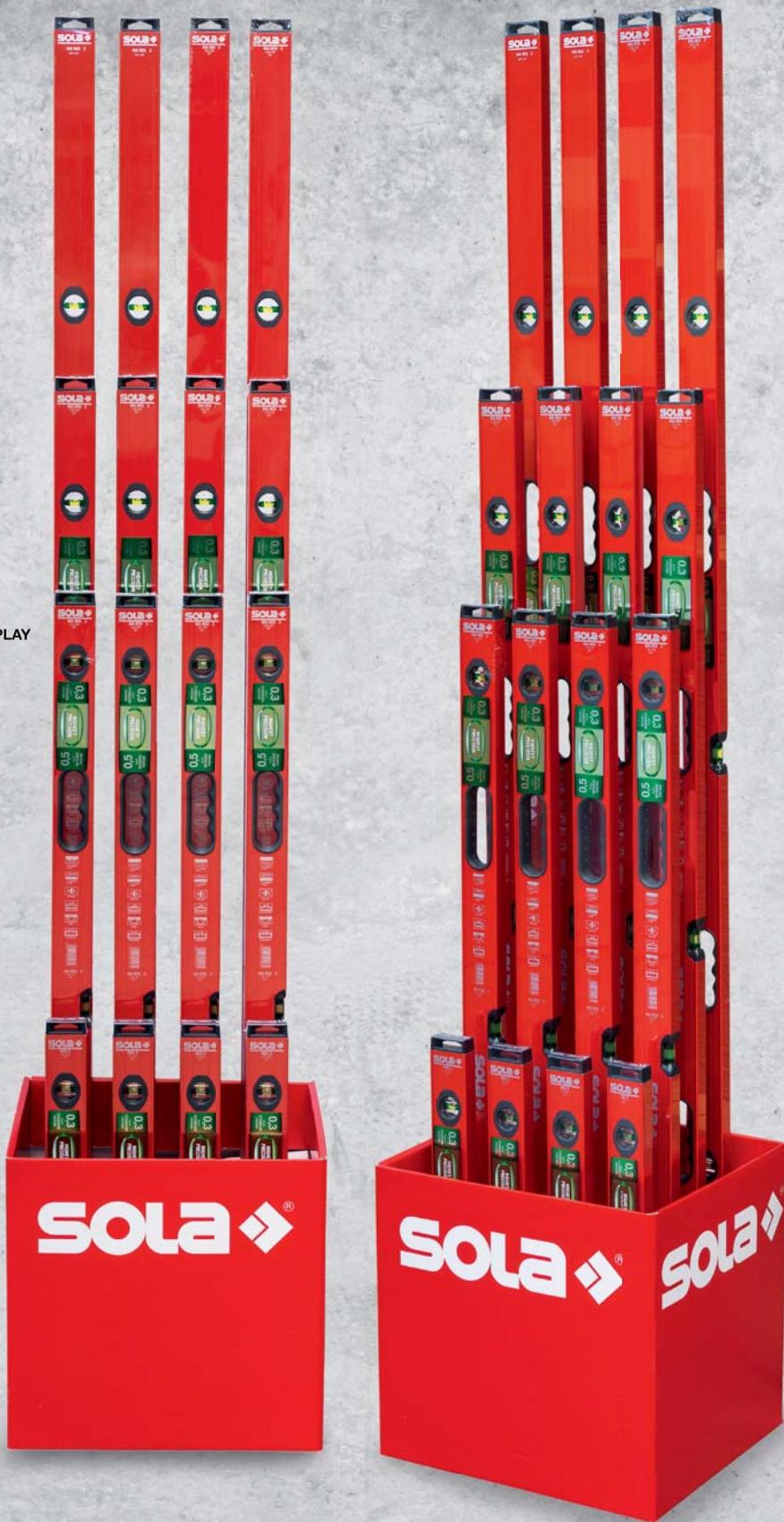
### SOLA KEY-RING Item no.

01614101

### SOLA UMBRELLA Item no.

W010126

## MERCHANDISING



► SOLA SPIRIT LEVELS BOX DISPLAY



- Distribution branches
- Stockists

**AUSTRIA**

SOLA-Messwerkzeuge GmbH  
Unteres Tobel 25  
6840 Götzis

Tel: +43(0)5523 53380-0  
sola@sola.at  
www.sola.at

**GERMANY**

Ing. Guido Scheyer  
SOLA-Messwerkzeuge GmbH & Co.  
Heuriedweg 69  
88131 Lindau

Tel: +49(0)8382 28585  
sola@sola.de  
www.sola.de

**SWITZERLAND**

Sola Suisse AG  
Grenzstrasse 24  
9430 St. Margrethen

Tel: +41(0)71 740 1616  
info@solasuisse.ch  
www.solasuisse.ch

**HUNGARY**

Sola-Metál Kft.  
Nagy-berki út 6  
7634 Pécs

Tel: +36 72 252 823  
ertekesites@sola-metal.hu  
www.sola-metal.hu

**USA**

KESON LLC  
810 Commerce Street  
Aurora, Illinois 60504-7931

Tel: (630) 820-4200  
info@sola.us  
www.sola.us

SOLA-Messwerkzeuge GmbH  
Unteres Tobel 25  
A-6840 Götzis

Tel: +43 (0)5523 53380-0  
[sola@sola.at](mailto:sola@sola.at)  
[www.sola.at](http://www.sola.at)

Ing. Guido Scheyer  
SOLA-Meßwerkzeuge GmbH & Co.  
Heuriedweg 69  
D-88131 Lindau

Tel: +49 (0)8382 28585  
[sola@sola.de](mailto:sola@sola.de)  
[www.sola.de](http://www.sola.de)

SOLA Suisse AG  
Grenzstrasse 24  
CH-9430 St. Margrethen

Tel: +41 (0)71740 1616  
[info@solasuisse.ch](mailto:info@solasuisse.ch)  
[www.solasuisse.ch](http://www.solasuisse.ch)



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