





## 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.



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



Production of NT4 spirit levels begins.

1958



Production of aluminium spirit levels begins. SOLA becomes the first Austrian company to win the international IF design award.

1969



Own production of vials begins – guaranteeing consistent quality across SOLA measuring tools.

1999



Production of lasers begins.

2004



New generation of spirit levels: with patented, temperature-independent vial.

2011



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

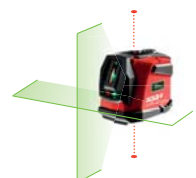
Two centred red plumb points ensure that the reference points are precisely transferred. The Crossline P2 Green line and point laser projects one plumb point on to the floor and one on to the ceiling to help precisely transfer reference markers.

#### TILT 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.



## ► 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.



## ► 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.



SOLA Measures



## 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.



2 in 1



## ► 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.





|   |                                   |                             |
|---|-----------------------------------|-----------------------------|
|    | <b>SPIRIT LEVELS</b>              | <b>SPIRIT LEVELS</b>        |
|    | <b>SCREEDING LEVELS AND EDGES</b> | <b>SCREEDING LEVELS</b>     |
|    | <b>LASERS</b>                     | <b>LASERS</b>               |
|    | <b>LASER DISTANCE METER</b>       | <b>LASER DISTANCE METER</b> |
|    | <b>FOLDING RULES</b>              | <b>FOLDING RULES</b>        |
|  | <b>SHORT TAPES</b>                | <b>SHORT TAPES</b>          |
|  | <b>LONG TAPES</b>                 | <b>LONG TAPES</b>           |
|  | <b>MEASURING WHEELS</b>           | <b>MEASURING WHEELS</b>     |
|  | <b>SQUARES/RULERS</b>             | <b>SQUARES/RULERS</b>       |
|  | <b>CHALK LINE REELS</b>           | <b>CHALK LINE REELS</b>     |
|  | <b>MARKERS/PENCILS</b>            | <b>MARKERS/PENCILS</b>      |





**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.

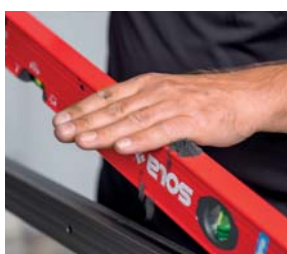
Inaccuracies due to dropping or deterioration through daily use on a building site are minimised by appropriate wall thickness.

| 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 |



## 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.



## 30-YEAR GUARANTEE PATENTED ULTRASONIC WELDING

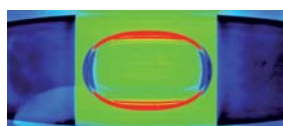
SOLA's patented ultrasonic welding ensures the vial doesn't leak. Thanks to our decades of experience and unrivalled expertise, we can provide you with a 30-year guarantee.



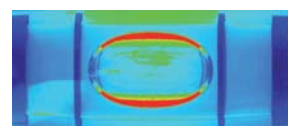
## BREAK-RESISTANT ACRYLIC FOCUS VIALS

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.

## 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

**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.



SOLA Measures

**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.



# OVERVIEW SPIRIT LEVELS











| BOX BEAM LEVELS   |   | Measuring tolerance standard position | Measuring tolerance inverted measurement |         |
|---|---|---------------------------------------|--|---------|
| RED 3   |    | 0.30                                  | 0.50                                     | Page 15 |
| BIG RED 3   |    | 0.30                                  | 0.50                                     | Page 15 |
| REDM                 |    | 0.30                                  | 0.50                                     | Page 16 |
| BIG REDM             |    | 0.30                                  | 0.50                                     | Page 16 |
| AZ  |    | 0.50                                  | 0.75                                     | Page 17 |
| AZ 3  |    | 0.50                                  | 0.75                                     | Page 17 |
| AZM                  |    | 0.50                                  | 0.75                                     | Page 18 |
| AZM 3                |    | 0.50                                  | 0.75                                     | Page 18 |
| BIG X   |    | 0.50                                  | 0.75                                     | Page 19 |
| BIG X 3   |    | 0.50                                  | 0.75                                     | Page 19 |
| AZB   |    | 0.50                                  | 0.75                                     | Page 20 |
| AZB 3   |    | 0.50                                  | 0.75                                     | Page 20 |
| AV  |   | 0.50                                  | 1.00                                     | Page 21 |
| AVD   |  | 0.50                                  | 1.00                                     | Page 21 |
| MRMI               |  | 0.50                                  | 0.75                                     | Page 22 |
| ELECTRIC  |  | 0.50                                  | 0.75                                     | Page 22 |
| MARK-IT   |  | 0.75                                  | -  | Page 23 |
| DIGITAL LEVELS  |   |                                       |  |         |
| GO! SMART DISPLAY  |  | -                                     | -  | Page 24 |
| GO! SMART          |  | -                                     | -  | Page 24 |
| RED DIGITAL        |  | 0.50                                  | 0.50                                     | Page 25 |
| REDM DIGITAL       |  | 0.50                                  | 0.50                                     | Page 25 |
| LASER SPIRIT LEVELS   |   |                                       |  |         |
| RED LASER DIGITAL  |  | 0.25                                  | -  | Page 26 |
| PRECISION SPIRIT LEVELS   |   |                                       |  |         |
| HPL   |  | 0.30                                  | 0.50                                     | Page 27 |
| HPL 3   |  | 0.30                                  | 0.50                                     | Page 27 |
| DIE-CAST SPIRIT LEVELS  |   |                                       |  |         |
| M   |  | 0.50                                  | 1.00                                     | Page 28 |
| MM                 |  | 0.50                                  | 1.00                                     | Page 28 |



# OVERVIEW SPIRIT LEVELS

|                                |   |      |      |         |
|--------------------------------|---|------|------|---------|
| M 25                           |    | 0.50 | 0.75 | Page 28 |
| MM 5 25                        |       | 0.50 | 0.75 | Page 29 |
| MR                             |    | 0.50 | 1.00 | Page 29 |
| MRM                            |       | 0.50 | 1.00 | Page 29 |
| <b>I-PROFILE SPIRIT LEVELS</b> |   |      |      |         |
| I                              |    | 1.00 | -    | Page 30 |
| I5                             |    | 1.00 | -    | Page 30 |
| ID                             |    | 1.00 | -    | Page 30 |
| <b>COMPACT SPIRIT LEVELS</b>   |   |      |      |         |
| GO! MAGNETIC                   |       | 0.75 | –    | Page 31 |
| GO! MAGNETIC CLIP              |       | 0.75 | –    | Page 31 |
| GO!                            |    | 1.00 | –    | Page 31 |
| GO! CLIP                       |    | 1.00 | –    | Page 32 |
| R 102                          |    | 1.00 | –    | Page 32 |
| <b>PLASTIC SPIRIT LEVELS</b>   |   |      |      |         |
| PF                             |    | 1.00 | -    | Page 33 |
| PHF                            |    | 1.00 | -    | Page 33 |
| PTF                            |    | 1.00 | -    | Page 33 |
| PT 5                           |    | 1.50 | -    | Page 34 |
| PTM 5                          |   | 1.50 | -    | Page 34 |
| UZ                             |    | -    | -    | Page 34 |
| K 5                            |    | -    | -    | Page 35 |
| JP                             |    | -    | -    | Page 35 |
| <b>INCLINOMETERS</b>           |   |      |      |         |
| NP 121                         |    | -    | -    | Page 36 |
| APN                            |    | -    | -    | Page 36 |
| NAM                            |   | -    | -    | Page 36 |
| APK                            |    | 0.50 | -    | Page 37 |
| <b>HOSE WATER LEVELS</b>       |   |      |      |         |
| S 1012                         |    | –    | –    | Page 38 |
| SP 10                          |    | –    | –    | Page 38 |

# OVERVIEW SPIRIT LEVELS

|                          |   |   |   |         |
|--------------------------|---|---|---|---------|
| S 120                    |  | – | – | Page 38 |
| SCHL                     |  | – | – | Page 39 |
| SPECIAL VIALS            |   |   |   |         |
| DB                       |  | – | – | Page 40 |
| DF                       |  | – | – | Page 40 |
| F                        |  | – | – | Page 40 |
| SPIRIT LEVEL ACCESSORIES |   |   |   |         |
| BAG 25                   |  | – | – | Page 41 |
| BAG                      |  | – | – | Page 41 |
| ST                       |  | – | – | Page 41 |
| WP                       |  | – | – | Page 42 |
| NB                       |  | – | – | Page 42 |

## RED 3

| Model     | L [cm] | VP | VE | Art. Nr. | EAN           |
|-----------|--------|----|----|----------|---------------|
| RED 3 60  | 60     | ○  | 1  | 01214801 | 9002719019268 |
| RED 3 80  | 80     | ○  | 1  | 01215101 | 9002719019275 |
| RED 3 100 | 100    | ○  | 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    | ○  | 1  | 01219401 | 9002719019039 |
| BIG RED 3 150 | 150    | ○  | 1  | 01219501 | 9002719019466 |
| BIG RED 3 180 | 180    | ○  | 1  | 01219601 | 9002719019046 |
| BIG RED 3 200 | 200    | ○  | 1  | 01219701 | 9002719019053 |
| BIG RED 3 240 | 240    | ○  | 1  | 01219901 | 9002719019060 |

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- ▶ 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                  |

AZ

| Model  | L [cm] | VP | VE | Art. Nr. | EAN           |
|--------|--------|----|----|----------|---------------|
| AZ 40  | 40     | ○  | 1  | 01160501 | 9002719000211 |
| AZ 50  | 50     | ○  | 1  | 01160701 | 9002719000228 |
| AZ 60  | 60     | ○  | 1  | 01160801 | 9002719000235 |
| AZ 80  | 80     | ○  | 1  | 01161101 | 9002719000259 |
| AZ 100 | 100    | ○  | 1  | 01161301 | 9002719000266 |
| AZ 120 | 120    | ○  | 1  | 01161401 | 9002719000273 |
| AZ 150 | 150    | ○  | 1  | 01161501 | 9002719000280 |
| AZ 180 | 180    | ○  | 1  | 01161601 | 9002719000297 |
| AZ 200 | 200    | ○  | 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     | ○  | 1  | 01169101 | 9002719011323 |
| AZ 3 100 | 100    | ○  | 1  | 01169301 | 9002719009559 |
| AZ 3 120 | 120    | ○  | 1  | 01169401 | 9002719009566 |
| AZ 3 150 | 150    | ○  | 1  | 01169501 | 9002719009573 |
| AZ 3 180 | 180    | ○  | 1  | 01169601 | 9002719009580 |
| AZ 3 200 | 200    | ○  | 1  | 01169701 | 9002719009597 |
| AZ 3 250 | 250    | ○  | 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               |

## BIG X

| Model    | L [cm] | VP | VE | Art. Nr. | EAN           |
|----------|--------|----|----|----------|---------------|
| BIG X 30 | 30     | ○  | 1  | 01370301 | 9002719018094 |
| BIG X 40 | 40     | ○  | 1  | 01370501 | 9002719015406 |
| BIG X 50 | 50     | ○  | 1  | 01370701 | 9002719015413 |
| BIG X 60 | 60     | ○  | 1  | 01370801 | 9002719015420 |
| BIG X 80 | 80     | ○  | 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     | ○  | 1  | 01373101 | 9002719015567 |
| BIG X 3 100 | 100    | ○  | 1  | 01373301 | 9002719015499 |
| BIG X 3 120 | 120    | ○  | 1  | 01373401 | 9002719015505 |
| BIG X 3 150 | 150    | ○  | 1  | 01373501 | 9002719015512 |
| BIG X 3 180 | 180    | ○  | 1  | 01373601 | 9002719015529 |
| BIG X 3 200 | 200    | ○  | 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               |

## 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               |



| Model  | L [cm] | VP | VE | Art. Nr. | EAN           |
|--------|--------|----|----|----------|---------------|
| AV 30  | 30     | ○  | 1  | 01110301 | 9002719000310 |
| AV 40  | 40     | ○  | 1  | 01110501 | 9002719000327 |
| AV 50  | 50     | ○  | 1  | 01110701 | 9002719000334 |
| AV 60  | 60     | ○  | 1  | 01110801 | 9002719000341 |
| AV 80  | 80     | ○  | 1  | 01111101 | 9002719000365 |
| AV 100 | 100    | ○  | 1  | 01111301 | 9002719000372 |
| AV 120 | 120    | ○  | 1  | 01111401 | 9002719000389 |
| AV 150 | 150    | ○  | 1  | 01111501 | 9002719010043 |
| AV 180 | 180    | ○  | 1  | 01111601 | 9002719010050 |
| AV 200 | 200    | ○  | 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



AV

| Model  | L [cm] | VP | VE | Art. Nr. | EAN           |
|--------|--------|----|----|----------|---------------|
| AVD 40 | 40     | ○  | 1  | 01120501 | 9002719011354 |
| AVD 60 | 60     | ○  | 1  | 01120801 | 9002719011378 |
| AVD 80 | 80     | ○  | 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



AVD

| 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:

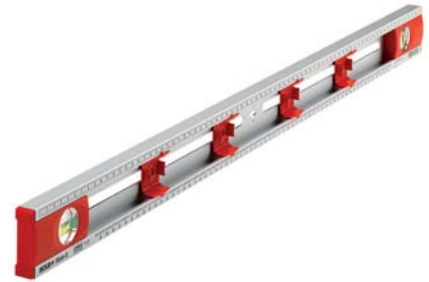
|  | MRMI                      | Electric             |
|--|---------------------------|----------------------|
| Item description                         | Installation spirit level | Marking spirit level |
| Material                                 | Aluminium                 | Aluminium            |
| 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:

| 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           |

## 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                              |

## 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                                |



## 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°)   |

## HPL

| 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     | ○  | 1  | 01330501 | 9002719000587 |
| M 50  | 50     | ○  | 1  | 01330701 | 9002719000594 |
| M 60  | 60     | ○  | 1  | 01330801 | 9002719000600 |
| M 80  | 80     | ○  | 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     | ○  | 1  | 01331501 | 9002719011439 |
| MM 60 | 60     | ○  | 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     | ○  | 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     | ○  | 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     | ○  | 1  | 01332501 | 9002719011392 |
| MR 50 | 50     | ○  | 1  | 01332701 | 9002719011408 |
| MR 60 | 60     | ○  | 1  | 01332801 | 9002719011415 |
| MR 80 | 80     | ○  | 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     | ○  | 1  | 01333501 | 9002719011453 |
| MRM 60 | 60     | ○  | 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

I



| 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                           |



| 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



| 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



| 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



GO!

| 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                   |

## 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**

| Model | L [cm] | VP | VE | Art. Nr. | EAN           |
|-------|--------|----|----|----------|---------------|
| PF 40 | 40     | ○  | 1  | 01412501 | 9002719037897 |
| PF 50 | 50     | ○  | 1  | 01412701 | 9002719037903 |
| PF 60 | 60     | ○  | 1  | 01412801 | 9002719037910 |
| PF 80 | 80     | ○  | 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     | ☞  | 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     | ☞  | 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        |

**K 5**

| Model | L [cm] | VP | VE | Art. Nr. | EAN           |
|-------|--------|----|----|----------|---------------|
| K 5   | 6      | ○  | 1  | 01430901 | 9002719001218 |
| K 5   | 6      | ☐  | 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    | 14     | ☐  | 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:         | K 5                | JP                |
|----------------------------|--------------------|-------------------|
| 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     | ○  | 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     | ⊞  | 1  | 01480701 | 9002719040700 |
| APN 100 | 100    | ⊞  | 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            | ○  | 1  | 01484101 | 9002719040835 |
| NAM 50 | 50     | 4            | ⊞  | 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               |

## 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    | ○  | 1  | 22142201 | 9002719001959 |
| SCHL 20  | 20    | ○  | 1  | 22142301 | 9002719001966 |
| SCHL 30  | 30    | ○  | 1  | 22142401 | 9002719005902 |
| SCHL 120 | 120   | ○  | 1  | 22142801 | 9002719003694 |

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



## Technical details:

## SCHL

|                  |                 |
|------------------|-----------------|
| 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  | ○  | 1  | 69213101 | 9002719010579 |
| DB 14 | 14     | 50 arc.min  | ○  | 1  | 69213201 | 9002719010586 |
| DB 15 | 15     | 50 arc.min  | ○  | 1  | 69213301 | 9002719010593 |
| DB 18 | 18     | 40 arc.min  | ○  | 1  | 69213401 | 9002719010609 |
| DB 20 | 20     | 50 arc.min  | ○  | 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  | ○  | 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     | ○  | 1  | 05091101 | 9002719030058 |
| F 15 MF | 15     | ○  | 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             |

## BAG 25

| Model  | L [cm] | VP  | VE | Art. Nr. | EAN           |
|--------|--------|---|----|----------|---------------|
| BAG 25 | 25     |  | 1  | R316157  | 9002719038924 |



## BAG

| Model   | L [cm] | VP  | VE | Art. Nr. | EAN           |
|---------|--------|---|----|----------|---------------|
| BAG 60  | 60     |  | 1  | R316149  | 9002719038870 |
| BAG 80  | 80     |  | 1  | R316150  | 9002719038887 |
| BAG 120 | 120    |  | 1  | R316151  | 9002719038894 |
| BAG 200 | 200    |  | 1  | R316154  | 9002719038900 |
| BAG 180 | 180    |  | 1  | R316156  | 9002719038917 |



## ST

| Model | VP  | VE | Art. Nr. | EAN           |
|-------|---|----|----------|---------------|
| ST    |  | 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               |



## WP



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

## NB



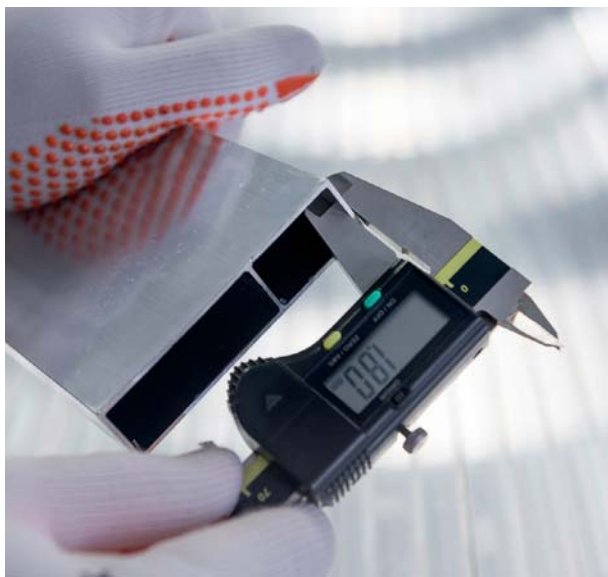
| Model | VP  | VE | Art. Nr. | EAN           |
|-------|---|----|----------|---------------|
| NB    |  | 1  | 71118701 | 9002719012986 |

### 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   |

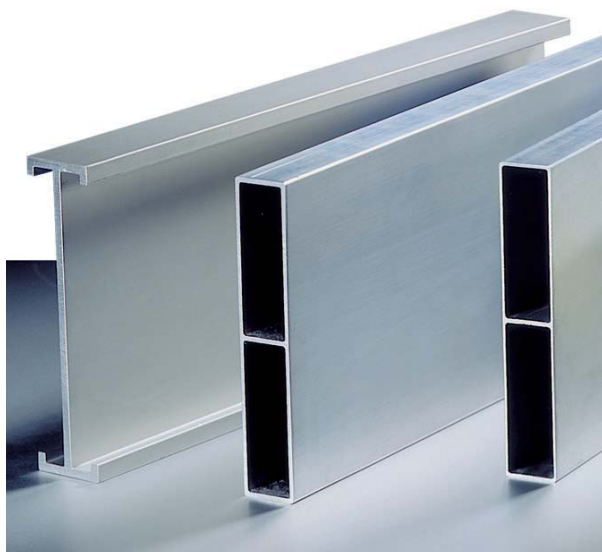


**SCREEDING LEVELS**



## 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.



## 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.



| 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    | ○  | 1  | 02010101 | 9002719001348 |
| SL 2 150 | 150    | ○  | 1  | 02010401 | 9002719001355 |
| SL 2 180 | 180    | ○  | 1  | 02010501 | 9002719001362 |
| SL 2 200 | 200    | ○  | 1  | 02010601 | 9002719001379 |
| SL 2 250 | 250    | ○  | 1  | 02010901 | 9002719001393 |
| SL 2 300 | 300    | ○  | 1  | 02011001 | 9002719001409 |

- ▶ Horizontal and vertical vial 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



SCREEDING LEVELS

## SLG 2

| Model     | L [cm] | VP | VE | Art. Nr. | EAN           |
|-----------|--------|----|----|----------|---------------|
| SLG 2 200 | 200    | ○  | 1  | 02014601 | 9002719001584 |
| SLG 2 250 | 250    | ○  | 1  | 02014901 | 9002719001607 |
| SLG 2 300 | 300    | ○  | 1  | 02015001 | 9002719001614 |
| SLG 2 400 | 400    | ○  | 1  | 02015201 | 9002719001621 |

- ▶ Horizontal and vertical vial 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



## SLGI 2

| Model      | L [cm] | VP | VE | Art. Nr. | EAN           |
|------------|--------|----|----|----------|---------------|
| SLGI 2 200 | 200    | ○  | 1  | 02014631 | 9002719020264 |

- ▶ Horizontal and vertical vial 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



| 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 (in legend)                |
| End caps                                 | 1-c                          | 1-c                          | 1-c                          |
| Dimension                                | 100 x 18 mm                  | 100 x 18 mm                  | 100 x 18 mm                  |



## SL 1

SCREEDING LEVELS



| Model    | L [cm] | VP | VE | Art. Nr. | EAN           |
|----------|--------|----|----|----------|---------------|
| SL 1 100 | 100    | ○  | 1  | 02012101 | 9002719001416 |
| SL 1 150 | 150    | ○  | 1  | 02012401 | 9002719001423 |
| SL 1 200 | 200    | ○  | 1  | 02012601 | 9002719001447 |
| SL 1 250 | 250    | ○  | 1  | 02012901 | 9002719001454 |
| SL 1 300 | 300    | ○  | 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    | ○  | 1  | 02017001 | 9002719001553 |
| SLG 1 400 | 400    | ○  | 1  | 02017201 | 9002719001560 |
| SLG 1 500 | 500    | ○  | 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    | ○  | 1  | 02040101 | 9002719001478 |
| SLN 1 150 | 150    | ○  | 1  | 02040401 | 9002719001485 |
| SLN 1 200 | 200    | ○  | 1  | 02040601 | 9002719001508 |
| SLN 1 250 | 250    | ○  | 1  | 02040901 | 9002719001515 |
| SLN 1 300 | 300    | ○  | 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    | ○  | 1  | 02070401 | 9002719007951 |
| SLX 2 180 | 180    | ○  | 1  | 02070501 | 9002719007968 |
| SLX 2 200 | 200    | ○  | 1  | 02070601 | 9002719007975 |
| SLX 2 250 | 250    | ○  | 1  | 02070901 | 9002719007982 |
| SLX 2 300 | 300    | ○  | 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    | ○  | 1  | 02074601 | 9002719008422 |
| SLXG 2 250 | 250    | ○  | 1  | 02074901 | 9002719008439 |
| SLXG 2 300 | 300    | ○  | 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           |

## AL 1008

SCREEDING LEVELS



| Model       | L [cm] | VP | VE | Art. Nr. | EAN           |
|-------------|--------|----|----|----------|---------------|
| AL 1008 200 | 200    | ○  | 1  | 03070601 | 9002719001645 |
| AL 1008 250 | 250    | ○  | 1  | 03070901 | 9002719001652 |
| AL 1008 300 | 300    | ○  | 1  | 03071001 | 9002719001669 |
| AL 1008 400 | 400    | ○  | 1  | 03071201 | 9002719001683 |
| AL 1008 500 | 500    | ○  | 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    | ○  | 1  | 03100101 | 9002719003625 |
| AL 1009 150 | 150    | ○  | 1  | 03100401 | 9002719001706 |
| AL 1009 200 | 200    | ○  | 1  | 03100601 | 9002719001713 |
| AL 1009 250 | 250    | ○  | 1  | 03100901 | 9002719001720 |
| AL 1009 300 | 300    | ○  | 1  | 03101001 | 9002719001737 |
| AL 1009 400 | 400    | ○  | 1  | 03101201 | 9002719001751 |
| AL 1009 500 | 500    | ○  | 1  | 03101401 | 9002719003663 |
| AL 1009 600 | 600    | ○  | 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    | ○  | 1  | 03040101 | 9002719003267 |
| AL 1007 150 | 150    | ○  | 1  | 03040401 | 9002719003274 |
| AL 1007 180 | 180    | ○  | 1  | 03040501 | 9002719003281 |
| AL 1007 200 | 200    | ○  | 1  | 03040601 | 9002719003298 |
| AL 1007 250 | 250    | ○  | 1  | 03040901 | 9002719003311 |
| AL 1007 300 | 300    | ○  | 1  | 03041001 | 9002719003328 |
| AL 1007 350 | 350    | ○  | 1  | 03041101 | 9002719003335 |
| AL 1007 400 | 400    | ○  | 1  | 03041201 | 9002719003342 |
| AL 1007 500 | 500    | ○  | 1  | 03041401 | 9002719003359 |
| AL 1007 600 | 600    | ○  | 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    | ○  | 1  | 03190101 | 9002719002109 |
| AL 2605 120 | 120    | ○  | 1  | 03190201 | 9002719002116 |
| AL 2605 150 | 150    | ○  | 1  | 03190401 | 9002719002123 |
| AL 2605 180 | 180    | ○  | 1  | 03190501 | 9002719002130 |
| AL 2605 200 | 200    | ○  | 1  | 03190601 | 9002719002147 |
| AL 2605 250 | 250    | ○  | 1  | 03190901 | 9002719002154 |
| AL 2605 300 | 300    | ○  | 1  | 03191001 | 9002719002161 |

- › Ergonomic, torsionally rigid aluminium profile



SCREEDING LEVELS

## AL 2606

| Model       | L [cm] | VP | VE | Art. Nr. | EAN           |
|-------------|--------|----|----|----------|---------------|
| AL 2606 100 | 100    | ○  | 1  | 03220101 | 9002719002185 |
| AL 2606 120 | 120    | ○  | 1  | 03220201 | 9002719002192 |
| AL 2606 150 | 150    | ○  | 1  | 03220401 | 9002719002208 |
| AL 2606 180 | 180    | ○  | 1  | 03220501 | 9002719002215 |
| AL 2606 200 | 200    | ○  | 1  | 03220601 | 9002719002222 |
| AL 2606 250 | 250    | ○  | 1  | 03220901 | 9002719002239 |
| AL 2606 300 | 300    | ○  | 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    | ○  | 1  | 03240101 | 9002719037507 |
| AL 2607 150 | 150    | ○  | 1  | 03240401 | 9002719037514 |
| AL 2607 200 | 200    | ○  | 1  | 03240601 | 9002719037521 |

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

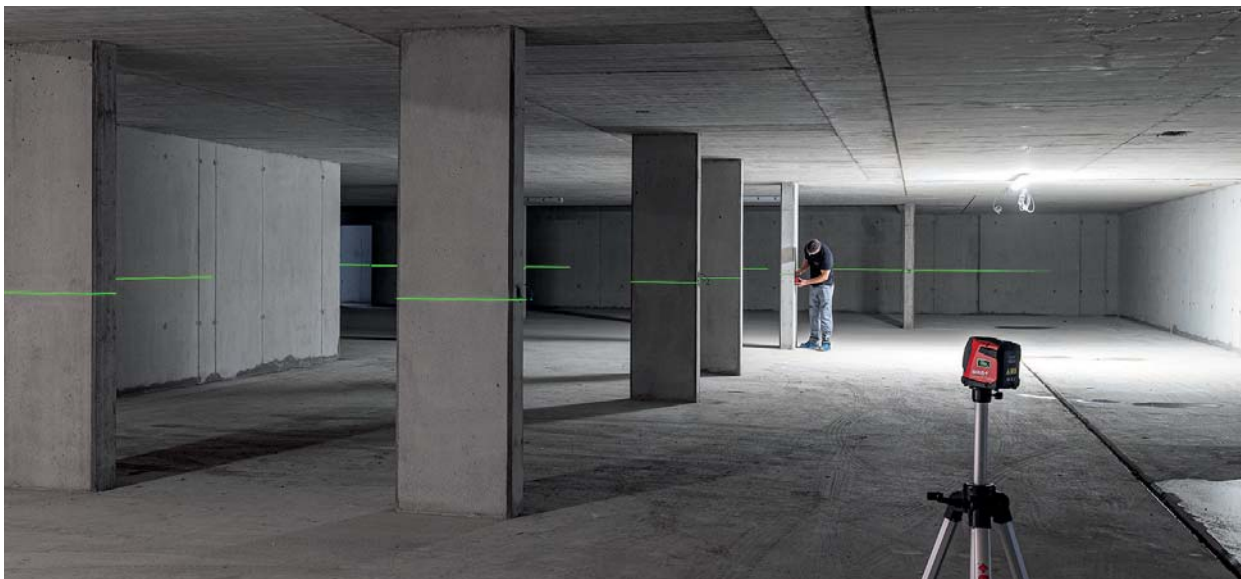


| Technical details: | AL 2605             | AL 2606                     | AL 2607                       |
|--------------------|---------------------|-----------------------------|-------------------------------|
| Item description   | Screeding edge      | Screeding edge              | Screeding edge                |
| 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                   |





**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

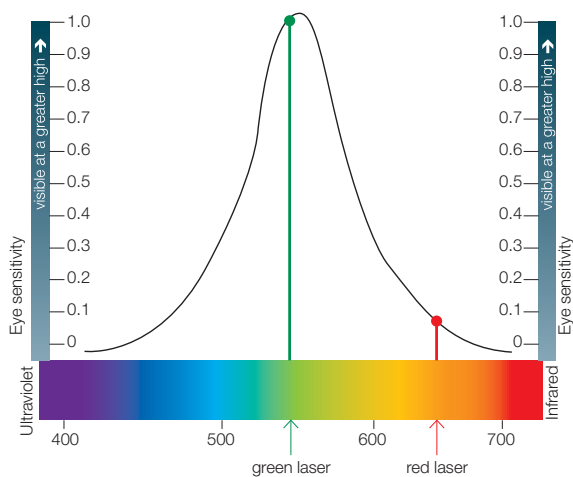
The REAL GREEN laser technology generates laser lines with noticeably fewer speckles. This generates higher-quality laser lines to be generated, which make tasks considerably more comfortable for the user.

REAL  
GREEN 

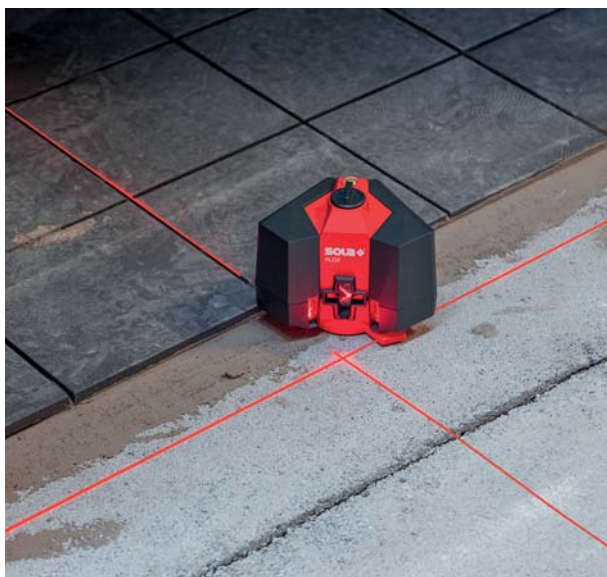
#### WAVELENGTHS OF LIGHT

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




























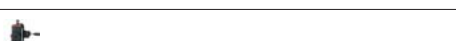













- ▶ Adjustment by means of adjusting screw and vial




## 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.



# OVERVIEW LASERS



















| ROTATION LASER             |   |   |         |
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|                          |  |         |
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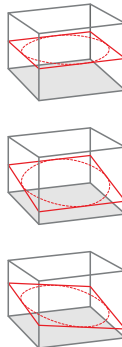
| ROTATION LASER |  | REC RRDO                            | REC RR00                            | REC LRDO | REC LGDO | PN RC                               | LI-ION BATTERY/BATTERY SET | LG                       | LST                      | BA                                  | CC                       | 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PLANO 3D                   |  |  |  | <input type="checkbox"/> |                          |  |                                     |                                     |                                     |                                     |                          | <input type="checkbox"/> | <input type="checkbox"/> |
| ATLAS GREEN                |  |  |  |                          | <input type="checkbox"/> |  |                                     |                                     |                                     |                                     |                          | <input type="checkbox"/> | <input type="checkbox"/> |
| HORIZON GREEN PROFESSIONAL |  |  |  |                          | <input type="checkbox"/> |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HORIZON GREEN BASIC        |  |  |  |                          | <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"/> |
| QUBO BASIC                 |  |  |  | <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"/> |
| CROSSLINE P2 GREEN         |  |  |  |                          | <input type="checkbox"/> |  |                                     |                                     |                                     | <input checked="" type="checkbox"/> |                          | <input type="checkbox"/> | <input type="checkbox"/> |
| CROSSLINE                  |  |  |  | <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"/> |
| SMART                      |  |  |  |                          |                          |  |                                     |                                     |                                     |                                     |                          | <input type="checkbox"/> | <input type="checkbox"/> |

# LASER ACCESSORIES

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| BST   | FST   | MST   | KLST  | FWH   | UH  | WH  | MH  | NK1   | GA-SET  | SA-1/4  | SA-5/8  | FL   | ML 5  | LB GREEN  | LB RED  | ZLM GREEN   | ZS RED  |
| <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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|   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |
| <input type="checkbox"/>  | <input type="checkbox"/>  |   | <input 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"/>  |   | <input type="checkbox"/>  | <input 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"/>  |   | <input type="checkbox"/>  | <input type="checkbox"/>  |   | <input type="checkbox"/>  |   | <input type="checkbox"/>  |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>  | <input checked="" type="checkbox"/>   |   | <input type="checkbox"/>  |   |
| <input type="checkbox"/>  | <input checked="" type="checkbox"/>   |   | <input type="checkbox"/>  | <input type="checkbox"/>  |   | <input checked="" type="checkbox"/>   |   | <input type="checkbox"/>  | <input type="checkbox"/>  |   |   | <input type="checkbox"/>   | <input type="checkbox"/>  | <input type="checkbox"/>  |   | <input type="checkbox"/>  |   |
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| <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"/>  |   | <input type="checkbox"/>  |   | <input type="checkbox"/>  |

## 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

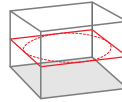
### Technical details:

|  | PROTON SB                         |
|--|-----------------------------------|
| 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                      |

## 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

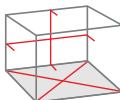
- see accessories table

### Technical details:

| Item description                                     | PROTON HB                         |
|--|-----------------------------------|
| Dimension  | 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)    | 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                      |



## 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

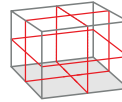
### Technical details:

| Item description                                     | FLOX  |
|--|---|
| Dimension  | 150 x 119 x 122 mm  |
| Levelling  | Permanent floor line<br>Self-levelling wall cross   |
| 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<br>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  |

## 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 LRD0 in difficult visibility conditions
- Switchable inclination function
- Compact, lightweight, handy



### Included accessories

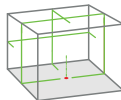
- Magnetic bracket
- Laser visibility glasses
- 4 x 1.5 V (AA) batteries
- PLANO 3D case

### Optional accessories

- see accessories table

### Technical details:

| Item description                                     | 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                       |

**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

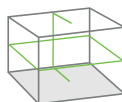
**Technical details:**

|  | 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                       |

## 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

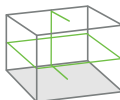
### Optional accessories

- › see accessories table

### Technical details:

| Item description                                     | HORIZON GREEN PROFESSIONAL  |
|--|---|
| 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<br>SOLA Li-Ion battery (5200 mAh)          |
| Operating time (at 20 °C)                            | 4 h 3 x 1.5 V (AA) batteries<br>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  |

## 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

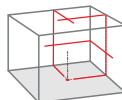
### Technical details:

|  | 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<br>SOLA Li-Ion battery (5200 mAh)          |
| Operating time (at 20 °C)                            | 4 h 3 x 1.5 V (AA) batteries<br>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  |

**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


**LASERS**

**Included accessories**

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

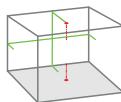
**Optional accessories**

- see accessories table

**Technical details:**

|  | <b>QUBO BASIC</b>  |
|--|--|
| 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<br>SOLA Li-Ion battery (5200 mAh)           |
| Operating time (at 20 °C)                            | 12 h 3 x 1.5 V (AA) batteries<br>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  |

## 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:

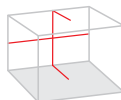
|  | CROSSLINE P2 GREEN                       |
|--|--|
| Item description                                     | Line laser                               |
| Dimension  | 103 x 85 x 98 mm                         |
| Levelling  | self-levelling                           |
| Measuring tolerance                                  | ±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                             |



**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


**LASERS**

**Included accessories**

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

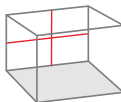
**Optional accessories**

- see accessories table

**Technical details:**

|  | <b>CROSSLINE</b>   |
|--|--|
| 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<br>SOLA Li-Ion battery (5200 mAh)           |
| Operating time (at 20 °C)                            | 14 h 3 x 1.5 V (AA) batteries<br>30 h SOLA Li-Ion battery (5200 mAh) |
| Laser class  | 2M, DIN EN 60825-1 : 2014  |
| Output power   | < 5.0 mW   |
| Wavelength   | 635 nm   |

## 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:

| 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       |

FWH

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



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 | 9002719033509 |



| Technical details: | FWH                          | WH 5/8"                      | MH               |
|--------------------|------------------------------|------------------------------|------------------|
| 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               | -                                |

**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

**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: ±1.00 mm/rough: ±5.00 mm     | ±3.00 mm                           | fine: ±0.50 mm/rough: ±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)               |



## 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: ±0.50 mm/rough: ±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                               |

## 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                               |

**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                          |

## 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 | ○  | 1  | 71126301 | 9002719019237 |

## ZS RED



| Model  | VP | VE | Art. Nr. | EAN           |
|--------|----|----|----------|---------------|
| ZS RED | ☐  | 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**



## 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.

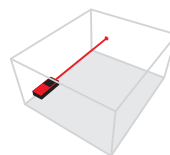
Only a small surface area is necessary for location when using laser measurement. For ultrasound, it must be much larger in order to enable it to reflect relevant sound waves. Laser distance meters are easier to use and more accurate than ultrasound distance meters, and far more convenient than measuring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

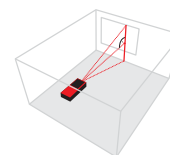


You can find more information on the SOLA YouTube channel

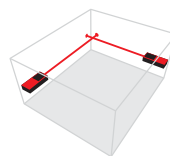
Length measurement



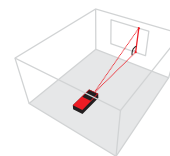
Indirect 3-point measurement



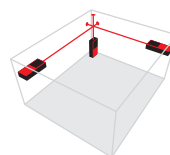
Surface measurement



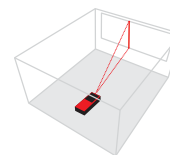
Indirect 2-point measurement



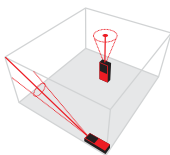
Volume measurement



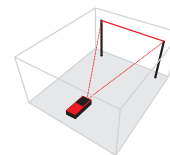
Indirect measuring via angle



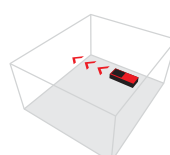
Min. / max. measurement



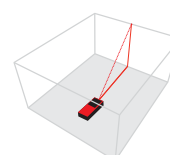
Indirect distance measurement



Continuous measurement



Automatic distance measurement





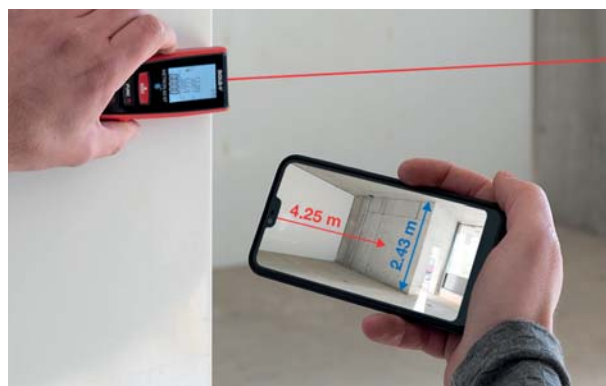


## METRON: DISTANCE METER WITH BLUETOOTH

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.



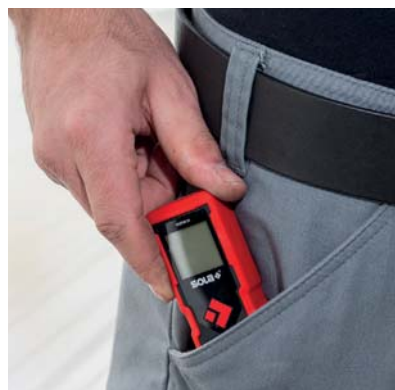
SOLA Measures



## 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)



| LASER DISTANCE METER |   |   |         |
|----------------------|---|---|---------|
| METRON 60 BT         |  |   | Page 85 |
| VECTOR 100 PRO       |  |   | Page 86 |
| VECTOR 80            |  |   | Page 87 |
| VECTOR 50            |  |   | Page 88 |
| VECTOR 20            |  |   | Page 89 |

## 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                     |

## 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

LASER DISTANCE  
METER



### 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                        |

## 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                    |

## 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:

| Technical details:        | VECTOR 50                        |
|---------------------------|----------------------------------|
| Item description          | Laser distance meters            |
| 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                   |

## 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.



## 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.

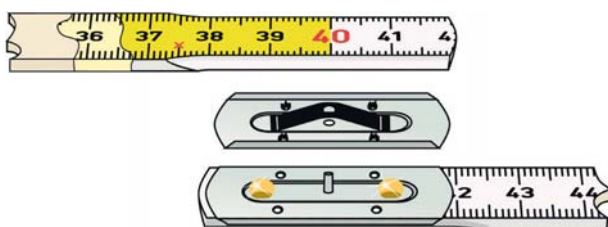
## JOINTS/HINGES

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






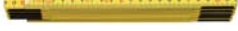







## VARNISH/WOOD PROTECTION

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 | 2     |  | 50 | 53010101 | 9002719018117 |
| H 2/10 | 2     |  | 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 | 2     |  | 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 | 2.4   |  | 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                   |

## 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 | 2     |  | 50 | 53021101 | 9002719018223 |
| HF 2/10 | 2     |  | 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 | 2     |  | 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: | HF 2/10                               | HB 2/10                               |
|--------------------|---------------------------------------|---------------------------------------|
| 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                  |

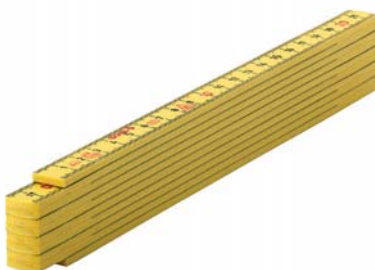
## HK 2/10 W



| 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                       |

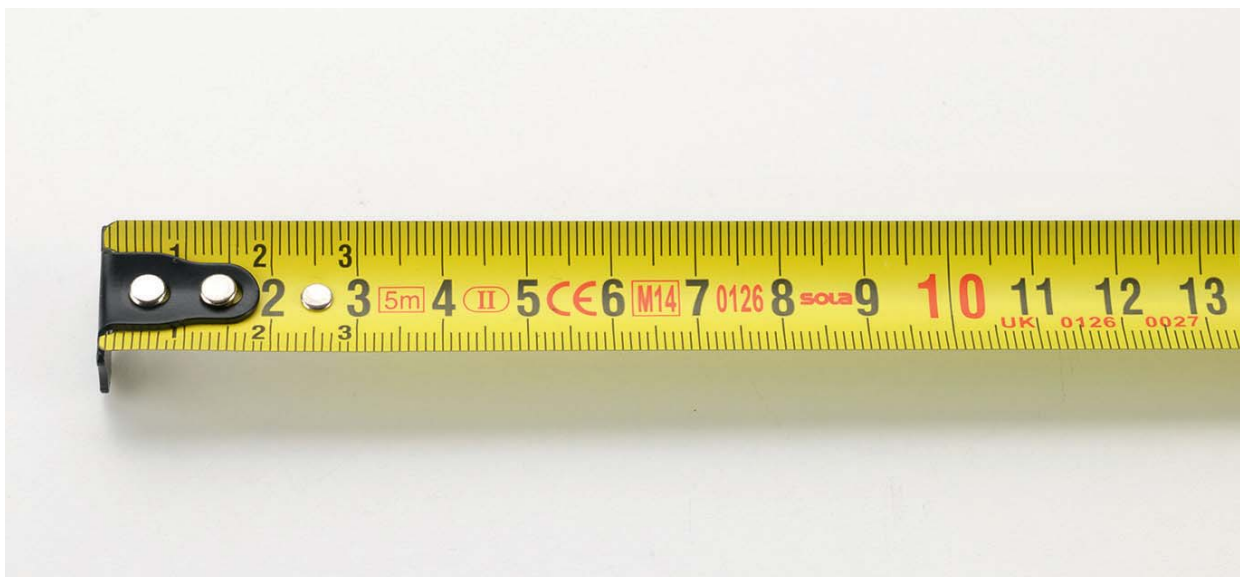




**SHORT TAPES**



## 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

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:

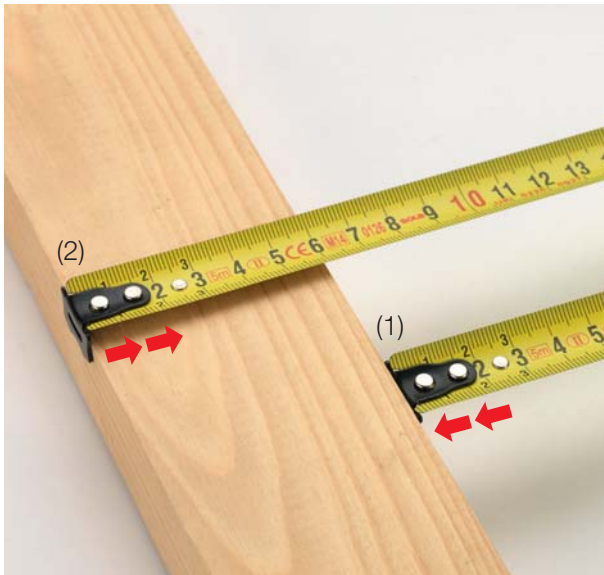
1. Nominal length of the measuring device
2. CE-marking
3. Year of manufacture
4. Mark from Office of Weights and Measures
5. Accuracy class
6. Manufacturers name or registered identification mark



### 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.

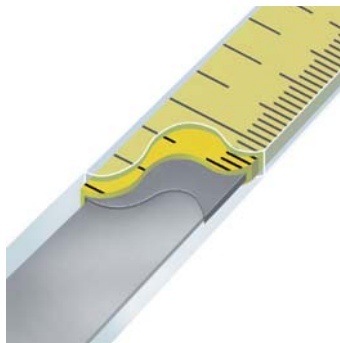




## END HOOKS

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



## 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.



## 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.

## 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>      |  |  | Page 103 |
| <b>PRO-TM</b>     |  |  | Page 103 |
| <b>TRI-MATIC</b>  |  |  | Page 103 |
| <b>POPULAR</b>    |  |  | Page 104 |
| <b>PROTECT M</b>  |  |  | Page 104 |
| <b>UNI-MATIC</b>  |  |  | Page 104 |
| <b>PRO-FLEX</b>   |  |  | Page 105 |
| <b>COMPACT</b>    |  |  | Page 105 |
| <b>COMPACT M</b>  |  |  | Page 105 |
| <b>VIDEO-FLEX</b> |  |  | Page 106 |
| <b>TALMETER</b>   |  |  | Page 106 |

# 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



## 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



## 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



SHORT TAPES

| 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             |

## 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



| 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



| 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:

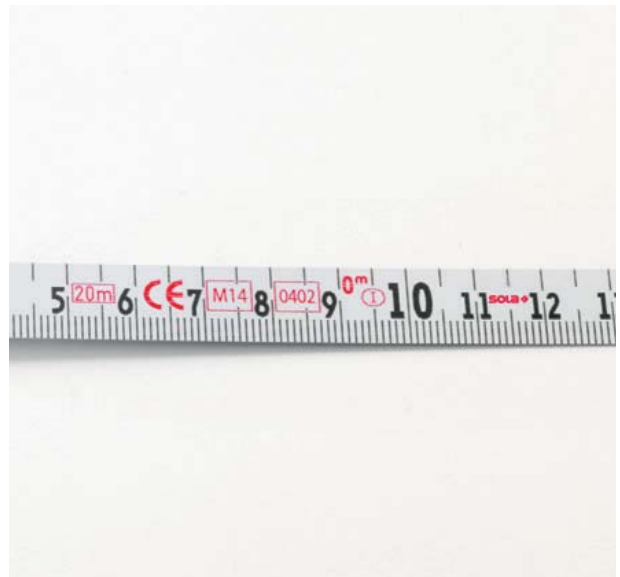
|                      | VIDEO-FLEX               | TALMETER               |
|----------------------|--------------------------|------------------------|
| Item description     | Short tape               | Short tape             |
| Graduations          | mm                       | mm                     |
| 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             | -                      |





**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

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5. Accuracy class
6. Manufacturers name or registered identification mark



## STEEL TAPE

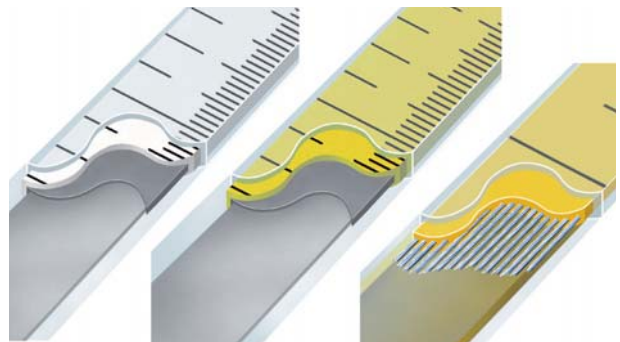
SOLA steel tapes are made of high-quality steel with a high carbon content and are thoroughly coated, first with a colour coating and then a clear coating. This provides optimal protection against corrosion.

**TUFCOTE**

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, stabile 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.

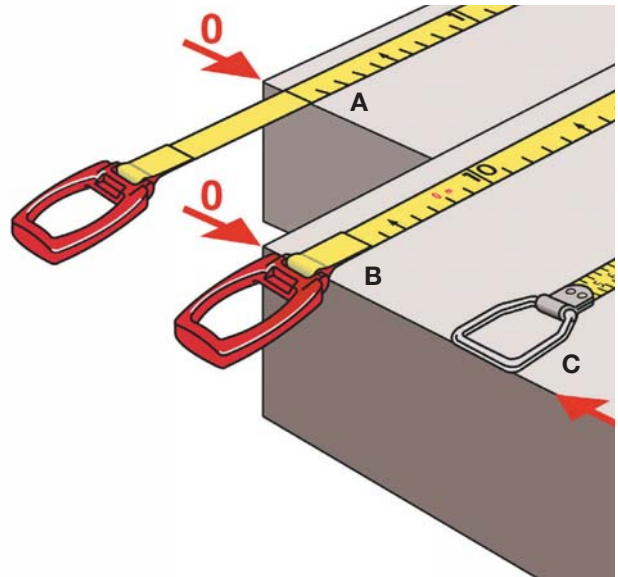
### CASE TAPE MEASURE

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       |  |   |          |
|------------------------|--|---|----------|
| SURVEYOR C             |   |  | Page 111 |
| PROSPECTOR C           |   |  | Page 111 |
| SPRINTER               |   |  | Page 111 |
| EXPLORER               |   |  | Page 112 |
| SATELLITE              |   |  | Page 112 |
| PROSPECTOR R           |   |  | Page 112 |
| PACER R                |   |  | Page 113 |
| TRACKER R              |   |  | Page 113 |
| GLASS-FIBRE LONG TAPES |  |   |          |
| PROSPECTOR F           |   |  | Page 114 |
| RANGER                 |   |  | Page 114 |
| FUTURA                 |   |  | Page 114 |
| TELESCOPE SCALE        |  |   |          |
| TEL                    |  |   | Page 115 |

# STEEL LONG TAPES

## SURVEYOR C

| Model | L [m] | B [mm] | VP | VE | Art. Nr. | EAN           |
|-------|-------|--------|----|----|----------|---------------|
| SC 30 | 30    | 13     |    | 1  | 50047901 | 9002719020189 |
| SC 50 | 50    | 13     |    | 1  | 50048901 | 9002719020196 |

- Tough, buckling- and break-resistant through TUF-COTE® 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     |    | 1  | 50053801 | 9002719006596 |
| YC 50 | 50    | 13     |    | 1  | 50053901 | 9002719006602 |

- Tough, buckling- and break-resistant through TUF-COTE® 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     |    | 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         | TUF-COTE®, yellow  | TUF-COTE®, 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     |    | 2  | 50080301 | 9002719024101 |
| EP 30 | 30    | 13     |    | 2  | 50080501 | 9002719024552 |
| EP 50 | 50    | 13     |    | 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     |    | 5  | 50055701 | 9002719002642 |
| ST 20 | 20    | 10     |    | 5  | 50055901 | 9002719012115 |
| ST 30 | 30    | 10     |    | 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  | 50051701 | 9002719006558 |
| YR 50 | 50    | 13     |    | 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                   |




## PACER R

| Model  | L [m] | B [mm] | VP  | VE | Art. Nr. | EAN           |
|--------|-------|--------|---|----|----------|---------------|
| PR 100 | 100   | 13     |  | 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     |    | 1  | 50050901 | 9002719006497 |
| TR 30 | 30    | 13     |    | 1  | 50051101 | 9002719006510 |
| TR 50 | 50    | 13     |  | 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                   |

## PROSPECTOR F

II  
mm

| 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

II  
mm

| 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

II  
mm

| 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   | 1.07 - 5.00 m |  | 1  | 57070501 | 9002719003786 |
| TEL 300   | 0.70 - 3.00 m |  | 1  | 57070701 | 9002719016786 |
| TEL 400   | 0.86 - 4.00 m |  | 1  | 57070801 | 9002719016793 |
| TEL 800 S | 1.53 - 8.00 m |  | 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<br>5 m: 1.50 mm/m<br>8 m: 2.00 mm/m |







**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





## 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

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# 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     |  | 1  | R316159  | 9002719041603 |

### Technical details:

|                  |                                       |
|------------------|---------------------------------------|
| Item description | BAG MW                                |
| Material         | Protective pouch for measuring wheels |
| Colour           | Synthetic fibre                       |
|                  | 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






















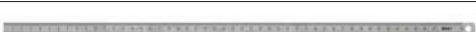



## QUALITY CONTROL

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.



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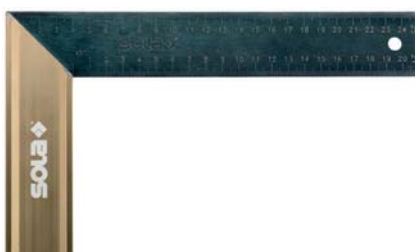
## SRB



| 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°

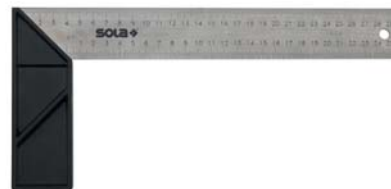
### Technical details:

|                   | 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°          |

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

## GWB



| Model   | L            | VP | VE | Art. Nr. | EAN           |
|---------|--------------|----|----|----------|---------------|
| GWB 300 | 300 x 110 mm | ○  | 6  | 56031101 | 9002719021223 |

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

## GWG



| Model   | L            | VP | VE | Art. Nr. | EAN           |
|---------|--------------|----|----|----------|---------------|
| GWG 300 | 300 x 110 mm | ○  | 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: | GWB                    | GWG           |
|--------------------|------------------------|---------------|
| 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°     |

## VSTG

| Model    | L      | VP | VE | Art. Nr. | EAN           |
|----------|--------|----|----|----------|---------------|
| VSTG 200 | 200 mm | ○  | 6  | 56052001 | 9002719021131 |
| VSTG 250 | 250 mm | ○  | 6  | 56052101 | 9002719021148 |
| VSTG 300 | 300 mm | ○  | 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  | ○  | 1  | 57012001 | 9002719003557 |
| GR 150 | 150 x 80 mm  | ○  | 1  | 57012101 | 9002719003564 |
| GR 200 | 200 x 150 mm | ○  | 1  | 57012201 | 9002719003571 |
| GR 300 | 300 x 200 mm | ○  | 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 | ○  | 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                  |



## QUATTRO



| Model   | L            | VP  | VE | Art. Nr. | EAN           |
|---------|--------------|---|----|----------|---------------|
| QUATTRO | 250 x 170 mm |  | 1  | 56017001 | 9002719020349 |

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

| Technical details: | QUATTRO                |
|--------------------|------------------------|
| 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°         |

## SW

| Model   | L             | VP | VE | Art. Nr. | EAN           |
|---------|---------------|----|----|----------|---------------|
| SW 100  | 100 x 70 mm   | ○  | 1  | 56110201 | 9002719020943 |
| SW 150  | 150 x 100 mm  | ○  | 1  | 56110301 | 9002719008163 |
| SW 200  | 200 x 130 mm  | ○  | 1  | 56110401 | 9002719008170 |
| SW 250  | 250 x 160 mm  | ○  | 1  | 56110501 | 9002719008187 |
| SW 300  | 300 x 180 mm  | ○  | 1  | 56110601 | 9002719008194 |
| SW 400  | 400 x 230 mm  | ○  | 1  | 56110701 | 9002719008200 |
| SW 500  | 500 x 280 mm  | ○  | 1  | 56110801 | 9002719008217 |
| SW 600  | 600 x 330 mm  | ○  | 1  | 56110901 | 9002719008224 |
| SW 750  | 750 x 375 mm  | ○  | 1  | 56111001 | 9002719020950 |
| SW 1000 | 1000 x 500 mm | ○  | 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  | 100 x 70 mm   | ○  | 1  | 56112201 | 9002719020974 |
| SWA 150  | 150 x 100 mm  | ○  | 1  | 56112301 | 9002719008231 |
| SWA 200  | 200 x 130 mm  | ○  | 1  | 56112401 | 9002719008248 |
| SWA 250  | 250 x 160 mm  | ○  | 1  | 56112501 | 9002719008255 |
| SWA 300  | 300 x 180 mm  | ○  | 1  | 56112601 | 9002719008262 |
| SWA 400  | 400 x 230 mm  | ○  | 1  | 56112701 | 9002719008279 |
| SWA 500  | 500 x 280 mm  | ○  | 1  | 56112801 | 9002719008286 |
| SWA 600  | 600 x 330 mm  | ○  | 1  | 56112901 | 9002719008293 |
| SWA 750  | 750 x 375 mm  | ○  | 1  | 56113001 | 9002719020981 |
| SWA 1000 | 1000 x 500 mm | ○  | 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 | 300 x 435 mm | ○  | 1  | 56150601 | 9002719024323 |
| FW 400 | 400 x 560 mm | ○  | 1  | 56150701 | 9002719024347 |
| FW 500 | 500 x 660 mm | ○  | 1  | 56150801 | 9002719024361 |
| FW 600 | 600 x 760 mm | ○  | 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          |

## 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 |

## ZWCA

| Model     | L             | VP | VE | Art. Nr. | EAN           |
|-----------|---------------|----|----|----------|---------------|
| ZWCA 600  | 600 x 280 mm  | ○  | 1  | 56132001 | 9002719019688 |
| ZWCA 700  | 700 x 300 mm  | ○  | 1  | 56132101 | 9002719019695 |
| ZWCA 800  | 800 x 320 mm  | ○  | 1  | 56132201 | 9002719019701 |
| ZWCA 1000 | 1000 x 380 mm | ○  | 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 | ○  | 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                   |

## BWS



| Model | L            | VP | VE | Art. Nr. | EAN           |
|-------|--------------|----|----|----------|---------------|
| BWS   | 100 x 150 cm | ○  | 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 | ○  | 1  | 03492201 | 9002719009948 |

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

## Technical details:

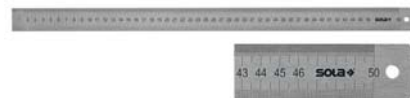
|                        | BWS                 | BWW                 |
|------------------------|---------------------|---------------------|
| Item description       | Construction square | Construction square |
| Material               | Aluminium           | Aluminium           |
| Surface                | 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    | ○  | 1  | 56104201 | 9002719021230 |
| LSB 500  | 500    | ○  | 1  | 56104401 | 9002719021247 |
| LSB 1000 | 1000   | ○  | 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    | ○  | 1  | 56103001 | 9002719021261 |
| LSS 200  | 200    | ○  | 1  | 56103101 | 9002719021278 |
| LSS 300  | 300    | ○  | 1  | 56103201 | 9002719021285 |
| LSS 500  | 500    | ○  | 1  | 56103401 | 9002719021292 |
| LSS 1000 | 1000   | ○  | 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    | ○  | 1  | 56100101 | 9002719021315 |
| LAB 500  | 500    | ○  | 1  | 56100401 | 9002719021322 |
| LAB 1000 | 1000   | ○  | 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
- “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°                 |



**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.

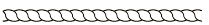









### SIMPLE AND PRECISE MARKING

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        |  |  | more            |
| Precision of the line      | exact, clear |  |  | thick           |
| Visibility*                | visible      |  |  | clearly visible |
| Adherence*                 | temporary    |  |  | lasts longer    |
| Removal*                   | simple       |  |  | more difficult  |

\*Depending on surface and coloured powder



## 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 |

## 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                     |

## CLM SET



| Model        | L [m] | Color | VP | VE | Art. Nr. | EAN           |
|--------------|-------|-------|----|----|----------|---------------|
| CLM 30 SET R | 30    | red   |    | 1  | 66110542 | 9002719023012 |
| CLM 30 SET B | 30    | blue  |    | 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    |    | 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  | 66114142 | 9002719041429 |
| CLKS SET B | 30    | blue  |    | 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    |    | 1  | 661111101 | 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   |    | 1  | 661111142 | 9002719037248 |
| CLG 30 SET B | 30    | blue  |    | 1  | 661111143 | 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                              |

## 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                             |

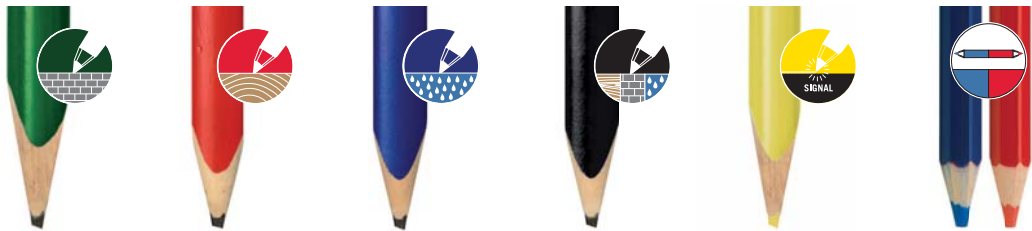






**PENCILS / MARKERS**

## 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<br>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.

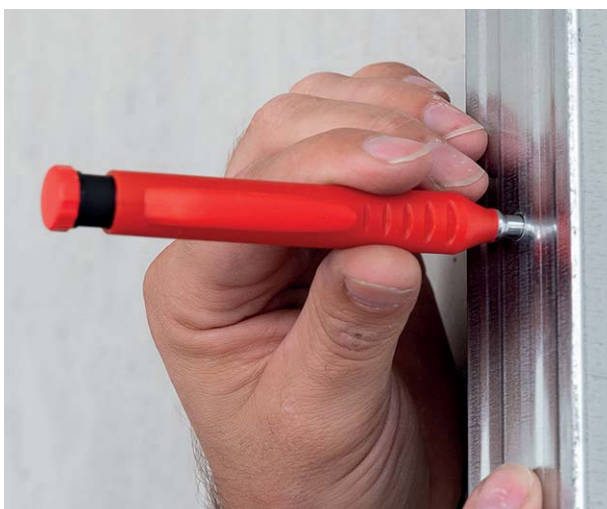




2 in 1

#### 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

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## 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                |

**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 | <b>BSP</b><br>Pencil sharpener |
| 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 | 9002719041258 |

- › 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**



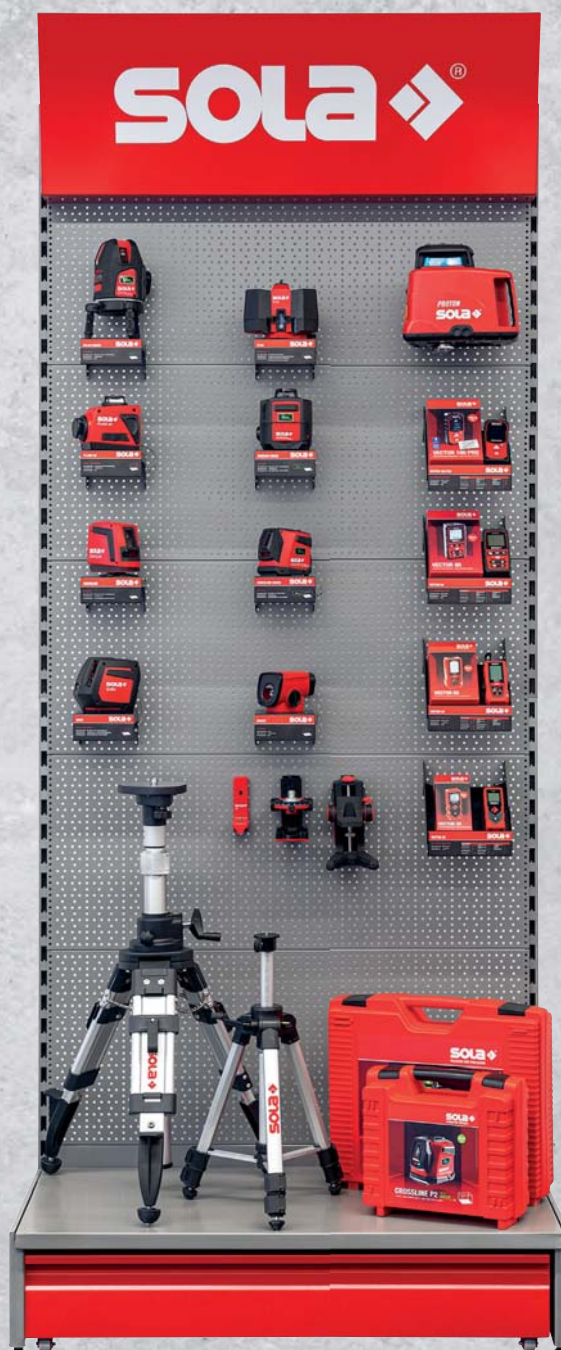


➤ MEASURING INSTRUMENTS BASIC 2M





► MEASURING INSTRUMENTS BASIC 1M



► LASER 1M





► SCREEDING LEVELS 1M



► POS 60 DISPLAY





► 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)





| 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. |
|-----------|--|----------|
|           |  | W012112  |
|           |  | 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  |



► SOLA SPIRIT LEVELS BOX DISPLAY





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