

# BMI®

## Measuring Instruments

...measuring the progress





**made** in  
**Germany**



**BMI**®

# Our Intentions

As a private enterprise that has been owned by our family for more than 70 years, we feel particularly committed to our customers' interests. One of our goals is to live up to the reputation and tradition of the quality label "Made in Germany".

In the northern Bavarian town of Hersbruck, we manufacture high-quality measurement tools for the most diversified applications. These products meet the highest demands of trade and industry professionals. On top of that, BMI succeeds in combining tradition and innovation.

For this reason we entered the laser technology industry. Since 1993, BMI has been one of the leading manufacturers in this area.

Our continuous innovation includes more than 40 active patents.

Some of our patented milestones in the development and production of practical measuring instruments are

- 1986** The FLEXTOP feature helps minimize breakage of our open reel tapes
- 1992** Improved the ERGOLINE series of open reel tape measures by adding ball bearings
- 1997** Hightech manufacture of EUROSTAR with unbreakable, laser-marked vials
- 2001** Introduced the closed case measuring tape series RADIUS
- 2011** **BMI**meter with stop and beltclip
- 2016** The new VARIO pocket tape measure – "Made in Germany"
- 2020** Technical update of the ALUSTAR and SUPERSTAR spirit levels
- 2022** Presentation of the next generation of vials for BMI spirit levels

It has been, and remains our first priority to equip you with the latest premium quality measuring instruments.



Florian Keller  
CEO





Simply scan with your smart phone and the corresponding App to quickly access our website!

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**Visit our website:**

[www.bmi.de](http://www.bmi.de)  
Email: [info@bmi.de](mailto:info@bmi.de)

**Please note** our General Terms and Conditions on pages 100-101. Our products can be purchased by contacting our retail trade partners.

Edition: 2022



# Contents



Spirit Levels

6



Open Reel and  
Closed Case Tape Measures

30



Pocket Tape Measures

54



Folding Rules, Steel Measuring Rules  
and Precision Measuring Equipment

64



Laser Technology

78



Squares and Measuring Wheels

92

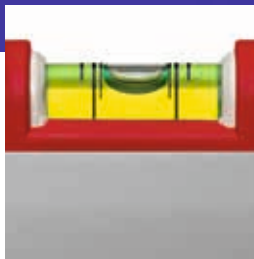
**Professional  
Quality**  
One-Source  
Solutions



## BMI Spirit Level Features



**Vials with magnifying effect**  
No more double bubble trouble!



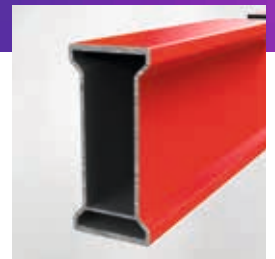
**2 % slope markings and precise readings**



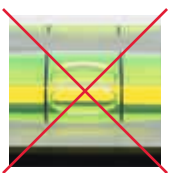
**End cap vial**



**Shock-absorbing rubber end caps**



**Torsion-resistant, multi-chamber profile**



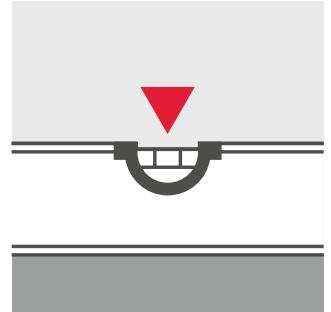


# Spirit Levels

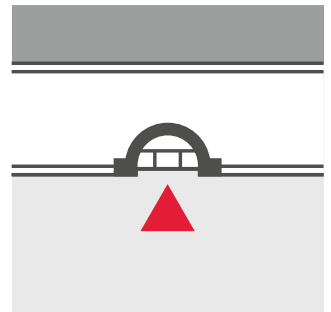
Applications for  
BMI spirit levels

**BMI**

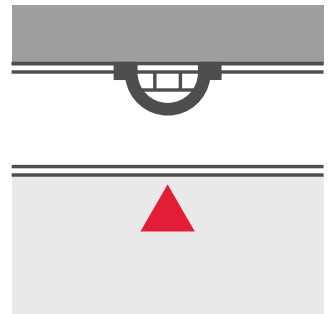
Horizontal **normal position**



Horizontal **inverted position**  
(overhead measuring)



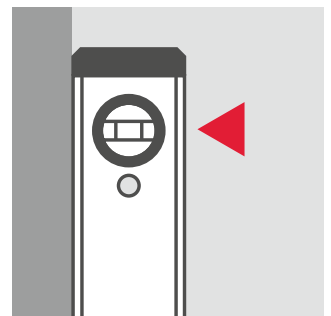
Horizontal **overhead measuring**  
(only BMI EUROSTAR and  
BMI ROBUST)



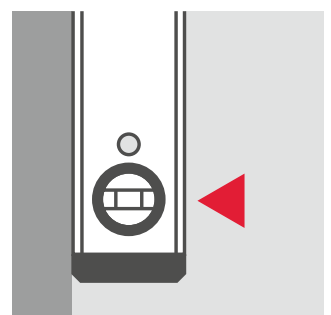
## ADVANTAGES

- Specially selected, high quality materials.
- Worldwide patented manufacturing processes.
- High measuring accuracy up to 0,5 mm/m in normal and inverted position.
- The best accuracy for all your measuring needs!

Vertical **normal position**



Vertical **inverted position**



# Aluminum Profiles

## Types of Vials

## Vial Features

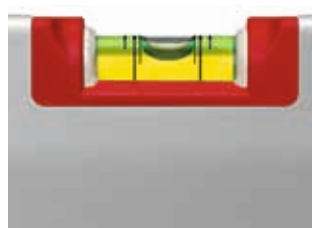
Wall thickness variations  $\pm 10\%$  due to technical reasons



**690 series** –  
up to 200 cm long –  
cross-section  
22 x 50 mm and wall  
thickness 1.5 mm



Thick-walled, sturdy vial, made of plexiglass, used in the horizontal vials of the 661, 665, 666 and 689 series.



Crack and shockproof tube vial with magnifying effect, 2 % slope markings, precise readings – 690 series.

Factory calibration certificate with test report.  
Article N°. 633KA



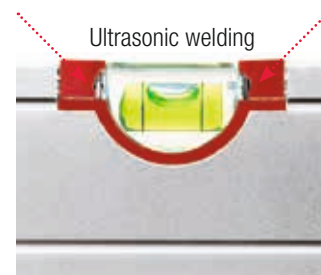
**692 series** –  
cross-section  
22 x 50 mm and wall  
thickness 1.8 mm.



Thick-walled, sturdy plexiglass vial with magnifying effect, easy to read, vertical and horizontal vial in the 692 series horizontal vial in the 691, 694, 695, 696 and 638 series.



Thick-walled, sturdy block vial made of plexiglass, vertical vial in the 661, 665, 666, 691, 694, 695, 696 and 638 series.



Standard for all spirit levels made of aluminum (except the 690 series). The vials are ultrasonically welded to the profile and electronically adjusted.



**694 and 696 series**  
– cross-section  
24 x 55 mm.



**638 series** –  
strong 4 chamber  
aluminum profile,  
cross-section  
30 x 65 mm, wall  
thickness 2 mm,  
extremely rigid,  
torsion-proof.

### Angle of Inclination

Rotating vial on the 691 W and 691 WM and the SUPERTORPEDO – easily transfer slopes and angles.



Process of vial adjustment –  
The 690 EUROSTAR is completely assembled including the unmarked vials. A computer measures the bubble position. A laser then burns the lines into the vial which have the exact distance from one another on either side of the bubble.

**BMI holds national and international patents on this process.**



**695 series** –  
4 chamber aluminum  
profile, cross-section  
26 x 75 mm, wall  
thickness 2 mm,  
(even more torsion  
resistant than the  
698 series).

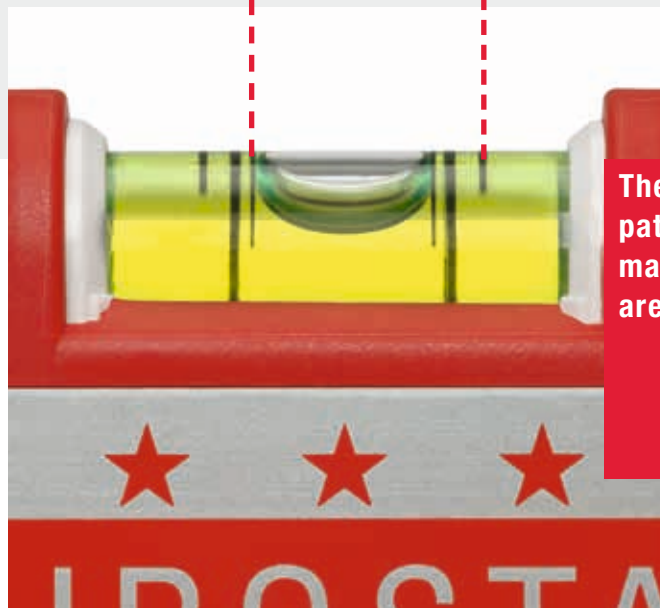
# Spirit Levels Overview

	Eurostar 690	Alustar 694 E	Super Star 696 P	Robust 638	HighPrecision 695	Die-Cast level 665	Hardwood level 661
Normal position measuring accuracy mm/m	0.5	0.5	0.5	0.5	0.3	0.5	1.0
Inverted measuring accuracy mm/m	–	0.75	0.5	0.5	–	–	–
Milled measuring surface	–	–	✓	2 milled measuring surfaces ✓	✓	✓	–
Horizontal vial with magnifying effect – “No double bubble trouble!”	✓	✓	✓	✓	✓	–	–
Number of vials	2	2	2	3	2	2	2
Profile weight per meter	550 g/m	640 g/m	740 g/m	960 g/m	1340 g/m	–	–
Handles	–	–	–	✓	✓	✓	–
Available with magnets	✓	✓	✓	✓	✓	–	–
Special features	2 % slope and precise readings	Strong and rigid	Strong and rigid	Sturdy 4 chamber profile	Sturdy 4 chamber profile, extremely accurate vials		
Recommendations for use	Builders, heating installers, plumbers, landscapers	General handicraft, dry wall construction	General handicraft, dry wall construction	Builders, prefab construction, carpentry	Window and door fitting, carpentry, steel construction	Masonry	Plumbers, road construction
Made in Germany	✓	✓	✓	✓	✓	✓	✓

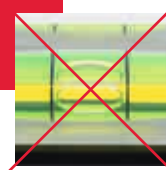
# EUROSTAR

Precise Readings

2 % Slope Markings



The original with patented laser marked vials that are reflection free!



No more double bubble trouble!

690 E



690 EM

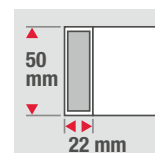
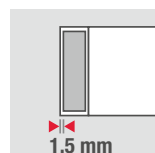
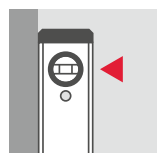
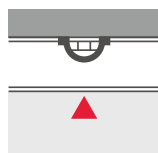
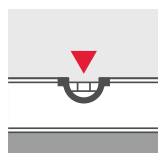
Also available with magnets



690 ES



- 2 % slope markings on horizontal vial.
- All vials have precision reading marks.
- Laser marked vials provide lifetime measuring accuracy of 0.5 mm/m.
- Easy-to-read tube vials.
- Strong profile walls with rubber end caps.



Length in cm	30	40	50	60	80	90	100	120	150	180	200
Article N°.	690 030 E	690 040 E	690 050 E	690 060 E	690 080 E	690 090 E	690 100 E	690 120 E	690 150 E	690 180 E	690 200 E
Article N°.	690 030 EM	690 040 EM	690 050 EM	690 060 EM	690 080 EM	690 090 EM	690 100 EM	690 120 EM	690 150 EM	690 180 EM	690 200 EM
Article N°.		690 040 ES	690 050 ES	690 060 ES	690 080 ES	690 090 ES	690 100 ES	690 120 ES	690 150 ES	690 180 ES	690 200 ES

Refer to our General Terms of Payment and Delivery

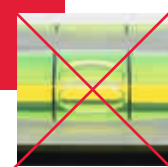


# ALUSTAR

**BMI**



The original patented ultrasonic welded vials that are reflection free!



No more double bubble trouble!

694 E 



694 EM Internally fastened magnets

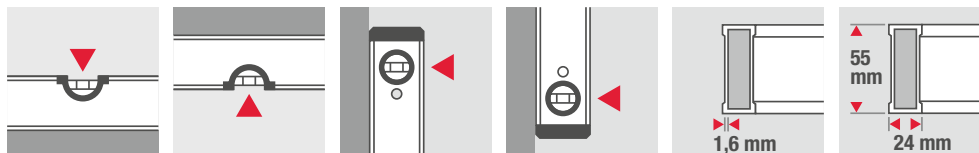


694 ES



The New Power Profile

- The BMI original rounded vial with magnifying effect provides unsurpassed readability especially for inverted measuring.
- Strong walls and shock absorbing rubber end caps.
- Ultrasonic welded vials provide highest accuracy for life (0.5 mm/m).
- Highly accurate inverted measuring (0.75 mm/m).



Length in cm	20	30	40	50	60	80	100	120	150	180	200
Article N°.	694 020 E	694 030 E	694 040 E	694 050 E	694 060 E	694 080 E	694 100 E	694 120 E	694 150 E	694 180 E	694 200 E
Article N°.		694 030 EM	694 040 EM	694 050 EM	694 060 EM	694 080 EM	694 100 EM	694 120 EM	694 150 EMS	694 180 EMS	694 200 EMS
Article N°.			694 040 ES	694 050 ES	694 060 ES	694 080 ES	694 100 ES	694 120 ES	694 150 ES	694 180 ES	694 200 ES

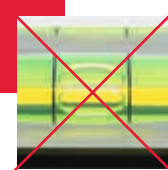
Refer to our General Terms of Payment and Delivery

# ALUSTAR

BMI



Patented ultrasonic welded vials that are reflection free!



No more double bubble trouble!

691 W



691 WM

Also available with magnets



## Inclination

Rotating vial on the 691 W and 691 WM – easily transfer slopes and angles.

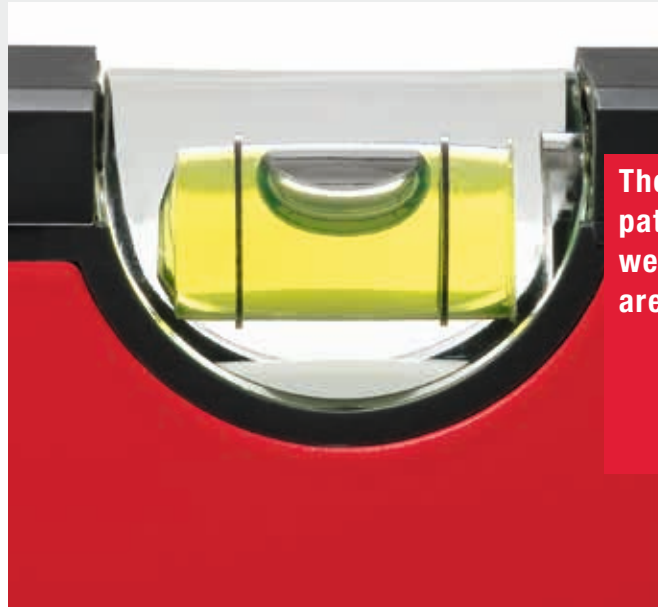


Length in cm	40	60	80	100
Article N°.	691 040 W	691 060 W	691 080 W	691 100 W
Article N°.	691 040 WM	691 060 WM	691 080 WM	691 100 WM



# SUPERSTAR

BMI



The original patented ultrasonic welded vials that are reflection free!

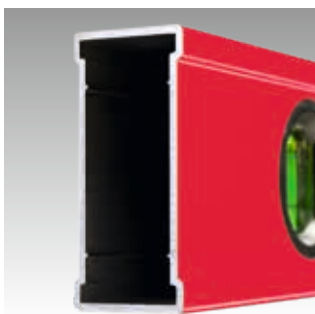


No more double bubble trouble!

696 P 



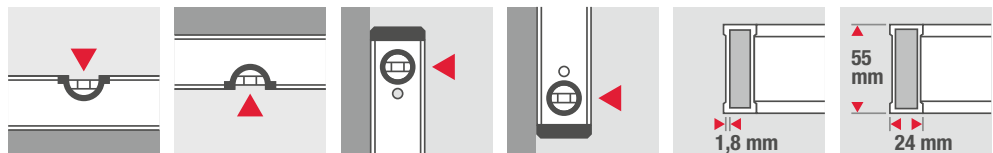
696 PM (4 magnets in levels 150 cm and longer)



- The BMI original rounded vial with magnifying effect.
- Edgeless vials provide distortion free readability especially for inverted measuring.
- Ultrasonic welded vials provide highest accuracy for life (0.5 mm/m).
- Strong profile walls and shock-absorbing rubber end caps help preserve high measuring accuracy.
- Inverted measuring accuracy 0.5 mm/m.

## The New Power Profile

\*The SUPERSTAR levels 150 cm, 180 cm and 200 cm have two vertical vials.



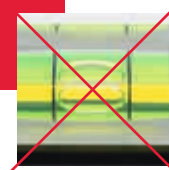
Length in cm	30	40	50	60	80	100	120	150*	180*	200*
Article N°.	696 030 P	696 040 P	696 050 P	696 060 P	696 080 P	696 100 P	696 120 P	696 150 PS	696 180 PS	696 200 PS
Article N°.		696 040 PM	696 050 PM	696 060 PM	696 080 PM	696 100 PM	696 120 PM	696 150 PMS	696 180 PMS	696 200 PMS

# ROBUST

BMI



The original patented ultrasonic welded vials that are reflection free!



No more double bubble trouble!

638

made in Germany  
BMI

Thick, shock-absorbing rubber end caps

Also available with magnets



638 M

Milled measuring surfaces up to 200 cm



Available with extra strong magnets!

638 D



Also available with practical handles

Refer to our General Terms of Payment and Delivery

Weight of profile 960 g/meter

- Unique, extremely torsion resistant 4 chamber profile (30 x 65 mm cross-section).
- Ultrasonic welded vials provide highest accuracy for life (0.5 mm/m).
- Inverted measuring accuracy 0.5 mm/m.
- Edgeless vials provide distortion free readability even for inverted measuring.
- Two milled measuring surfaces up to 200 cm.
- Shock-absorbing rubber end caps help preserve high measuring accuracy.

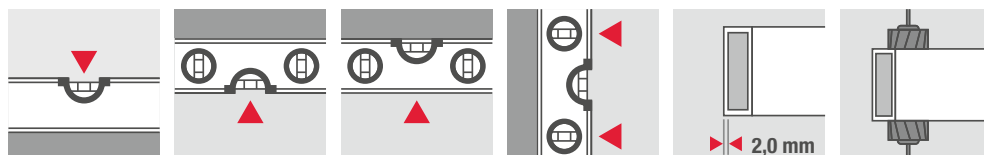
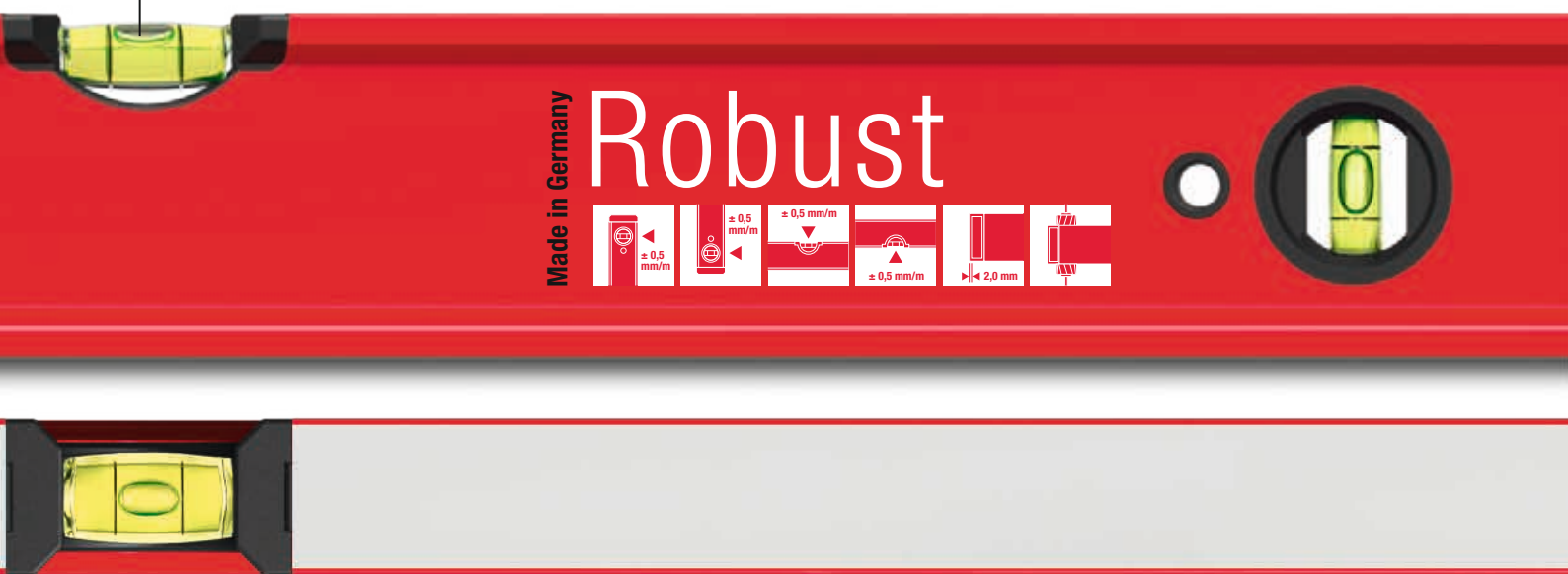


Rounded vials – unsurpassed readability

Multi-chamber profile

Made in Germany

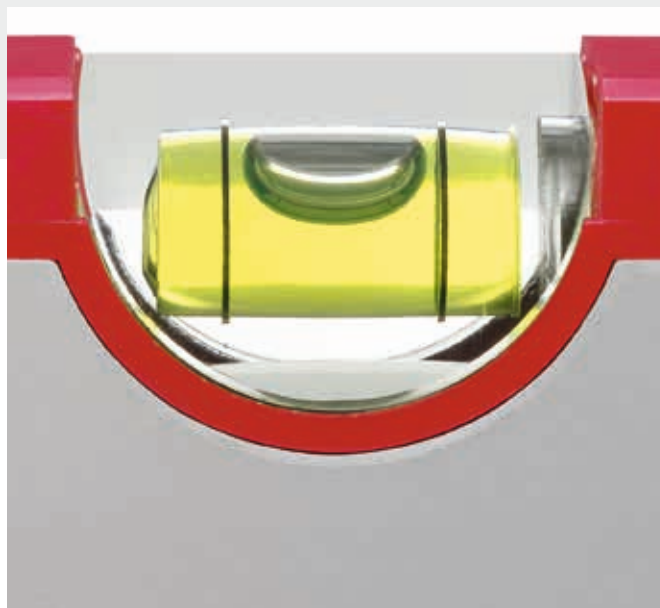
# Robust



Length in cm	40	60	80	100	120	150	180	200
Article N°.	638 040	638 060	638 080	638 100	638 120	638 150	638 180	638 200
Article N°.		638 060 D	638 080 D	638 100 D	638 120 D	638 150 D	638 180 D	638 200 D
Article N°.		638 060 M	638 080 M	638 100 M	638 120 M		638 180 M	638 200 M

# HIGHPRECISION

BMI



HIGH-  
PRECISION  
in Action:  
[www.bmi.de](http://www.bmi.de)



695 ED R1000 made in Germany



ordinary level

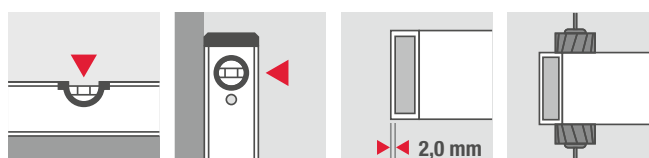
HIGHPRECISION



Work  
more  
precisely!

- Vials are narrower so the bubble doesn't have to move as far. Inaccuracies are recognized much quicker.
- BMI rounded vial with magnifying effect for reflection-free readability.
- Highest accuracy of 0.3 mm/m in normal position.
- BMI 4 chamber profile – the strongest profile on the market.
- Thick, shock-absorbing rubber end caps – for added protection.

One handle for lengths  
60-120 cm.  
Two handles for lengths  
180 and 200 cm.



Profile cross-section  
76 x 26 mm

Length in cm	060	080	100	120	180	200
Article N°.	695 060 ED - R1000	695 080 ED - R1000	695 100 ED - R1000	695 120 ED - R1000	695 180 ED - R1000	695 200 ED - R1000

# Special Spirit Levels

## ULTRASONIC



Continuous smooth measuring surface with internally fastened magnets



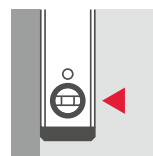
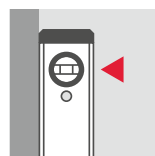
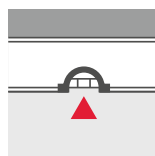
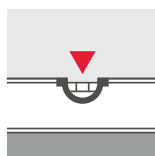
Easy-to-read end cap vial

- length 25 cm
- vertical end cap vial
- rotating angle vial
- 2 % slope markings on horizontal vial
- with magnets
- accuracy 0.5 mm/m

Article N°. 692 025 TWM

- length 20 cm
- vertical end cap vial
- horizontal vial with magnifying effect
- with internally fastened magnets
- accuracy 0.5 mm/m also for inverted measurement

Article N°. 692 020 M



## ALUSTAR



- dimensions: 170 x 50 x 22 mm
- shock-absorbing end caps
- standard vertical and horizontal vials made of unbreakable plastic
- accuracy 0.5 mm/m horizontal and 0.75 mm/m horizontal inverted measurements

Article N°. 691 017 H35

## Torpedo-Spirit Level



- length 25 cm
- aluminum die cast model
- milled measuring surface
- with magnets
- accuracy 0.5 mm/m

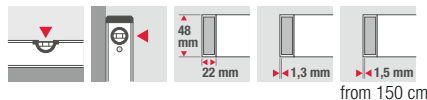
Article N°. 689 025 TM

Article N°. 689 025 TM-TA with belt holster



# Special Spirit Levels

## 689 Construct



Sturdy level with crack resistant plastic vials. Robust, smooth aluminum profile, yellow powder coating. Measuring accuracy in normal position 1 mm/m.

Length in cm	30	40	50	60	80	100	120	150	180	200
Article N°.	689 030 CON	689 040 CON	689 050 CON	689 060 CON	689 080 CON	689 100 CON	689 120 CON	689 150 CON	689 180 CON	689 200 CON

## 661 Wooden level



Spirit level made of hardwood for use on sensitive surfaces. Oiled. Measuring accuracy in normal position 1.0 mm/m.

Length in cm	20	30	40	50	60	80	100
Article N°.	661 020	661 030	661 040	661 050	661 060	661 080	661 100

## 692 Post spirit level with magnet



Four internal magnets for extra strong adhesion

The ideal tool to level beams, metal shelves, pipes, fences, etc. both horizontally and vertically.

### Features:

- Excellent accuracy with two horizontal and vertical vials
- Easy-to-read endcap vials

- Original BMI reflection-free rounded vials
- Ultrasonic welded vials provide highest accuracy for life (0.5 mm/m)
- Solid walls with shock-absorbing rubber end caps.
- Four internal magnets for extra

strong adhesion – a second person is not necessary!  
• Suitable for round and angled material.

Length in cm	60
Article N°.	692 060 PFM



# Aluminum Die-Cast Levels

## 666 TORPEDO – Die-Cast Level



Tough, trapezoid-shaped aluminum die-cast level with milled measuring surface. Red powder-coated body. Very high torsion resistance. Measuring accuracy in normal position 1.0 mm/m.

Length in cm	60	80
Article N°.	666 060	666 080

## 665S / 665 Die-Cast Level



Tough, aluminum die-cast level with two milled measuring surfaces. Red powder-coated body. Very high torsion resistance. Handles for easy handling. Also available with 2 vials – model 665S. Measuring accuracy in normal position 0.5 mm/m.

Length in cm	60	80
Article N°.	665 060	
Article N°.	665 060 S	665 080 S

Version S:  
with 2 vertical vials

## 689R



Aluminum die-cast level, milled on all sides, red powder-coated. Highly torsion resistant. Handles for easier handling. 45° vial. Accuracy in normal position 0.75 mm/m.

Length in cm	40	50	60	80
Article N°.	689 040R-S/45°	689 050R-S/45°	689 060R-S/45°	689 080R-S/45°

# Electronic Levels

## 601/601M Incl Tronic plus



Incli Tronic measures angles electronically and displays them digitally. The measuring processor can be calibrated both horizontally and vertically within seconds.

- Measures angles in degree, percentage, mm/m and inch/ft at the touch of a button
- Measurements displayed in the following steps: 0.05, 0.01°/IN/FT, 0.1°, 0.1% or in 1.0 mm/m

- Arrows in the display indicate the direction the Incl Tronic needs to be moved to reach 0° or 90°
- By pressing the "Hold" button, the current measurement can be saved
- Intermediate angles can be set as reference points

- Two different beeps when approaching level/plumb position from left or Right
- Automatically powers off after 6 minutes
- **Delivery:** in sturdy translucent plastic tube. Batteries included.

Length in cm	60	80	120	180	200
Article N°.	601 060	601 080	601 120	601 180	601 200
Article N°.	601 060 M	601 080 M	601 120 M	601 180 M	601 200 M



# Special Purpose Levels

## 645 Inclination Level INCLIFIX

Adjustable rotating angle dial to transfer angles. Mounted on an anodized level profile. Also available with magnets.



Length in cm	60
Article N°.	645 060E
Article N°.	645 060EM

## 640 Transmission Level

Prismatic milled base, ridges on sides for better grip, 1 horizontal and one vertical vial. Lengths 160 mm/200 mm/250 mm/300 mm.



Length in mm	160	200	250	300
Article N°.	640 04160	640 04200	640 04250	640 04300
Accuracy 0.04 mm/m				
Article N°.	640 10160	640 10200	640 10250	640 10300
Accuracy 0.1 mm/m				
Article N°.	640 30160	640 30200	640 30250	640 30300
Accuracy 0.3 mm/m				

# Special Purpose Levels

## 680 Vials



Bulls-eye vial, Ø 14 x 8 mm  
R 130 mm  $\pm$  53 min.

**Article N°.** 680 014 D



Bulls-eye vial, Ø 18 x 9 mm  
R 170 mm  $\pm$  40 min.

**Article N°.** 680 018 D



Bulls-eye vial, Ø 40 x 10 mm  
R 150 mm  $\pm$  45 min.

**Article N°.** 680 040 D



Bulls-eye vial, Ø 43 x 11 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 043 DFK



Bulls-eye vial in aluminum frame,  
Ø 30 x 11 mm  
R 1700 mm  $\pm$  4 min.

**Article N°.** 680 030 DFM



Bulls-eye vial in plastic frame,  
Ø 30 x 11 mm  
R 130 mm  $\pm$  53 min.

**Article N°.** 680 030 DFK



Bulls-eye vial with plastic flange,  
Ø 80 x 12 mm  
R 215 mm  $\pm$  31 min.

**Article N°.** 680 080 DFK



Vial 36 x 15 x 15 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 035



Vial 55 x 15 x 15 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 055



Vial Ø 15 x 36 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 036 R



Vial 34 x 22 x 14 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 034



Cross Spirit level, 60 x 45 mm  
**Article N°.** 681 006 003



Vial 100 x 15 x 15 mm  
R 180 mm  $\pm$  38 min.

**Article N°.** 680 100



Acrylic block spirit level, 94 x 40 mm

**Article N°.** 680 094 040

# Plastic Spirit Levels

## 687 e-level



The professional helper – small and versatile. Perfect for aligning flush-mounted sockets/switches. Very well suited for aligning tiles, moldings and more. Made of impact-resistant plastic. Plexiglass vial. Measuring accuracy 1.0 mm/m. Dimensions 70 x 45 x 20 mm.

**Article N°.** 687 070 002 M

In display box –  
14 pieces:

**Article N°.** 687 070 006  
M-VK/14

**NEW**  
at BMI!



**Advantages you will ONLY find at BMI:**

### Professional use

For electricians to adjust flush-mounted sockets and switches. Measuring accuracy 1 mm/1 m.

### Strong contrast

Due to the innovative vial coloring, the bubble has high-contrast edges for quick and easy adjustment.

### Compact and practical

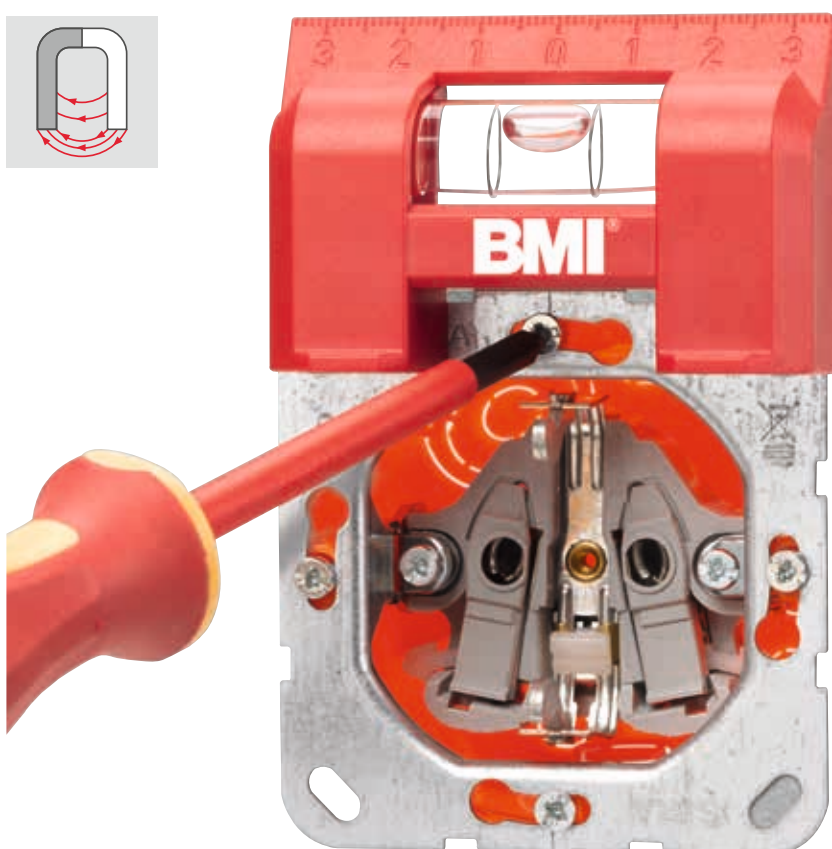
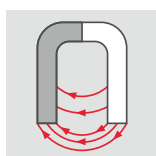
Perfect size 70x45x20 mm. Fits in any pocket. Special feature – distance dimension for socket spacing.

### Versatile

The special features of the tool design allow for horizontal and vertical measurements. Especially helpful in aligning tiles and moldings.

### Strong magnets

Ensure a secure hold on flush mounted sockets.



# Plastic Spirit Levels

Individually boxed, bulk carton or blister pack: surcharge

## 670 MINI-LEVEL



Impact-resistant plastic pocket level. Horizontal and vertical plexiglass vials. Dimensions 100 x 35 x 13 mm. Blister package. Minimum order quantity: 10

**Article N°.** 670 010 002



## 671 NIVELLE



Pocket level made of impact-resistant ABS. Prismatic measuring plane. Plexiglass vial. Dimensions: 150 x 25 x 23 mm. Blister package. Minimum order quantity: 10

**Article N°.** 671 015 002

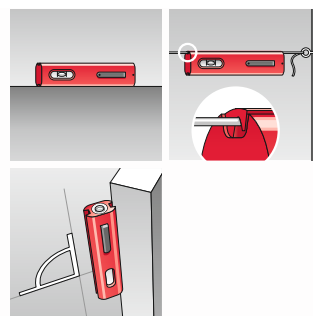


## 675 LINE-LEVEL



Line level with fastener. Made of ABS plastic. Eyelets to attach to a line, vials made of plexiglass. Dimensions: 120 x 29 x 17 mm. Blister package. Minimum order quantity: 10

**Article N°.** 675 012 002



## 673/674M TRIVELLE



Torpedo level with 3 vials for horizontal, vertical and 45° measurements. Also available with a powerful magnet strip (674M).  
Dimensions: 200 x 42 x 17 mm.  
Blister package  
Minimum order quantity: 10

**Article N°.** 673 020 002 674 020 002 M



available with magnets

## 683/684M UNIVERSAL



Inclination level with horizontal vial. Rotating vial to transfer angles. Drawing tool for 45°, 60° and 120° with mm graduation on the base. Also available with two powerful round magnets (684M). Dimensions 250 x 54 x 15 mm.  
Blister package  
Minimum order quantity: 10

**Article N°.** 683 025 002 684 025 002 M



available with magnets

## 685/685M TORPEDO



Sturdy spirit level made of fiberglass reinforced ABS plastic. Easy to read round vials. Magnet version (685M) features two strong disk magnets.  
Dimensions 250 x 43 x 22 mm.  
Minimum order quantity: 10



available with magnets

**Article N°.** 685 025 002<sup>1</sup> 685 025 002 M<sup>1</sup> 685 025 003<sup>2</sup> 685 025 003 M<sup>2</sup>

<sup>1</sup> with blister package

<sup>2</sup> without blister package



# Aluminum Screeding Levels

## “h” and Trapezoid Shaped Profiles

Please note: Minimum order of 5 items for lengths of 2 m and longer is required to avoid damage during transportation.

### 689 WL

Straight-edge made of aluminum profile. No vial.  
Cross-section approx. 100 x 18 mm.



Length in cm	Article N°.
150	689150 WL
180	689180 WL
200	689200 WL
250	689250 WL
300	689300 WL
400	689400 WL
500	689500 WL

### 689 RL

Straight-edge made of aluminum profile with 1 horizontal and 1 vertical vial.  
Cross-section approx. 100 x 18 mm.



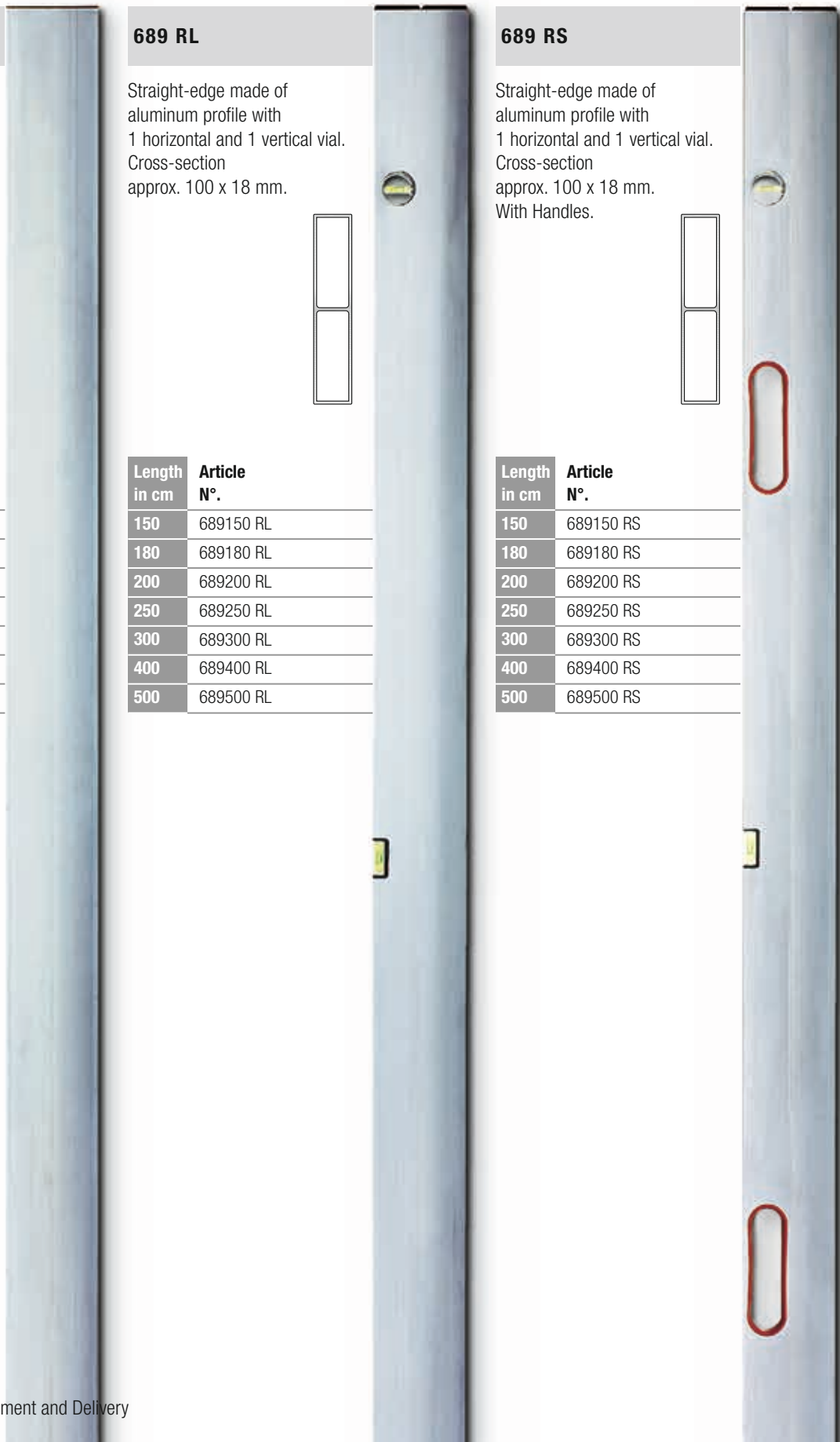
Length in cm	Article N°.
150	689150 RL
180	689180 RL
200	689200 RL
250	689250 RL
300	689300 RL
400	689400 RL
500	689500 RL

### 689 RS

Straight-edge made of aluminum profile with 1 horizontal and 1 vertical vial.  
Cross-section approx. 100 x 18 mm.  
With Handles.



Length in cm	Article N°.
150	689150 RS
180	689180 RS
200	689200 RS
250	689250 RS
300	689300 RS
400	689400 RS
500	689500 RS





## 689 HK

For special applications, "h" profile with reinforcement bead.  
Cross-section approx. 114 x 27 mm.



Length in cm	Article N°.
150	689150 HK
180	689180 HK
200	689200 HK
250	689250 HK
300	689300 HK

## 689 TK

Trapezoid-shaped aluminum profile.  
Cross-section approx. 98 x 18 mm.



Length in cm	Article N°.
150	689150 TK
180	689180 TK
200	689200 TK
250	689250 TK
300	689300 TK
400	689400 TK

## 689 RL-EL screeding level

Rectangular aluminum profile, approx. 83 x 18 mm  
Cross-section with 1 horizontal vial

extra thick  
4 mm base



Length in cm	Article N°.
100	689100 RL-EL
150	689150 RL-EL
180	689180 RL-EL
200	689200 RL-EL
250	689250 RL-EL
300	689300 RL-EL

**EXTRA THICK BASE 4 mm**

# Interesting facts about measuring tapes

Measurements have graduation marks that correspond to the the legally prescribed unit lengths. The measuring devices that are included in this scope are:

- Long Measuring Tapes
- Pocket Tape Measures
- Rulers
- Folding Rules

BMI measuring devices are produced according to the highest quality standards. BMI guarantees compliance with the European Measuring Instruments Directive – **MID**, for compliance with the predefined tolerances.

BMI measuring devices are available in the accuracy classes I, II and III.

## CE Certification

Measuring devices with metric divisions are usually CE certified and are therefore considered initially calibrated. A declaration of conformity replaces the previously used calibration certificate.

## Declaration of Conformity

A declaration of conformity is issued for all long measuring tapes with a metric graduation. The declaration confirms the compliance of the tolerance/error guidelines according to the European Measuring Instruments Directive known as **MID**.

## Test Certificate\*

A test certificate confirms that the corresponding tested device complies with the requirements of the European Measuring Instruments Directive – **MID**. The tested device has an ID number and is assigned to the test certificate. This certificate can be issued with or without a factory calibration.

## Factory Calibration Certificate\*

The calibration certificate indicates deviations of the tape measure at specified measuring points. The device has an ID number that is assigned to the factory calibration certificate.

\* Declaration of Conformity and Factory Calibration Certificate are valid for 2 years.



### Accuracy: Tolerance/Error Limits

In the European Measuring Instruments Directive, **MID**, the tolerance/error limits must be kept within certain reference conditions. This includes the temperature and traction. If a traction measurement is necessary, it is indicated on the device.

The reference temperature is 20 °C, unless otherwise stated.

Accuracy class	I	II	III
<b>Formula</b>	$0,1 + 0,1 \times L$	$0,3 + 0,2 \times L$	$0,6 + 0,4 \times L$
<b>from 0 ...1 m*</b>	± 0,2 mm	± 0,5 mm	± 1,0 mm
<b>from 1 ...2 m*</b>	± 0,3 mm	± 0,7 mm	± 1,4 mm
<b>from 2 ...3 m*</b>	± 0,4 mm	± 0,9 mm	± 1,8 mm
<b>from 4 ...5 m*</b>	± 0,6 mm	± 1,3 mm	± 2,6 mm
<b>from 7 ...8 m*</b>	± 0,9 mm	± 1,9 mm	± 3,8 mm
<b>from 9 ...10 m*</b>	± 1,1 mm	± 2,3 mm	± 4,6 mm
<b>from 19 ...20 m*</b>	± 2,1 mm	± 4,3 mm	± 8,6 mm
<b>from 29 ...30 m*</b>	± 3,1 mm	± 6,3 mm	± 12,6 mm
<b>from 49 ...50 m*</b>	± 5,1 mm	± 10,3 mm	± 20,6 mm
<b>from 99...100 m*</b>	± 10,1 mm	± 20,3 mm	± 40,6 mm

\* up to (including) length L

If the end of the measuring device has an area such as a tape measure with a hook or the end of a folding rule where the measurement begins at the end of the device, the tolerance/error limit increases by:

Accuracy class	I	II	III
<b>Value c</b>	0,1 mm	0,2 mm	0,3 mm

For folding rules an additional deviation is allowed for the joints:

Accuracy class	I	II	III
<b>Value d</b>	—	0,3 mm	0,5 mm

### Length Correction/Temperature Compensation

#### Linear expansion of long tapes

Length measurements are subject to – like all physical bodies – volume or length changes with a temperature increase or decrease.

The tolerance/error limits apply to a reference temperature of 20 °C, unless otherwise stated. A measurement correction may be necessary for long tape measures and pocket tapes.

Measurement corrections should be made when:

- The ambient temperature greatly deviates from the reference temperature.
- The linear expansion coefficient of the object being measured differs greatly from the tape.
- A high measuring accuracy is required by the user.

To calculate the length variation  $\Delta L$ :  $\Delta L = L \times \Delta T \times \alpha$

L = Length at the measuring point.

$\Delta T$  = Difference of the actual temperature at the time of measurement.

$\alpha$  = Linear expansion coefficient (usually printed on the end of the tape).

The length can be corrected by using the temperature compensation table below.

The temperature compensation table details how temperature effects a steel tape made of carbon steel with a linear expansion coefficient of  $\alpha = 1,1 \times 10^{-5} 1/^\circ\text{C}$ :

Variation in length	Variation in temperature $\Delta T$ based on 20 °C		
Tape length	± 10 °C	± 20 °C	± 30 °C
<b>1 m</b>	± 0,11 mm	± 0,22 mm	± 0,33 mm
<b>2 m</b>	± 0,22 mm	± 0,44 mm	± 0,66 mm
<b>3 m</b>	± 0,33 mm	± 0,66 mm	± 0,99 mm
<b>4 m</b>	± 0,44 mm	± 0,88 mm	± 1,32 mm
<b>5 m</b>	± 0,55 mm	± 1,10 mm	± 1,65 mm
<b>8 m</b>	± 0,88 mm	± 1,76 mm	± 2,64 mm
<b>10 m</b>	± 1,10 mm	± 2,20 mm	± 3,30 mm
<b>20 m</b>	± 2,20 mm	± 4,40 mm	± 6,60 mm
<b>30 m</b>	± 3,30 mm	± 6,60 mm	± 9,90 mm
<b>50 m</b>	± 5,50 mm	± 11,00 mm	± 16,50 mm
<b>100 m</b>	± 11,00 mm	± 22,00 mm	± 33,00 mm

#### Example of how to use the table:

The linear expansion coefficient of a tape measure made of carbon steel is approx.  $1,1 \times 10^{-5}/^\circ\text{C}$  oder 0,011 mm/m °C.

At an ambient temperature of 30 °C, the deviation from the reference temperature is 10 °C. A 10 m tape measure therefore lengthens by 1.1 mm so that the measurement should be corrected by -1.1 mm.



## Interesting facts about BMI open reel and closed case tape measures



**Ergonomically designed frame**



**Quickly change handle from right hand to left hand**



**Abrasion-free ball bearings for smooth operating comfort**



**Sturdy aluminum frame**



**Tape outlet made of wear-resistant high tech plastic**

# Open Reel and Closed Case Tape Measures

Measuring tapes made by BMI have patented features that simplify the job, protect the tool and save time and money for professionals and “do-it-yourselfers” alike. All three frames can be changed from right hand to left hand use in no time and come with either sleeve or ball bearings. The FLEXTOP sleeve for the start of the tape prevents the tape from wear and breakage and is available without an extra charge. Our wide selection of tape lengths, materials and graduations provide the user with the best solutions for every measuring job. The closed case tape series includes many of these same features.

Measuring tapes by BMI are certainly the right choice!

## ADVANTAGES

- Tapes comply with the accuracy classes I, II or III. Metric graduations are CE certified.
- Frames designed with ergonomical features
- Quickly change handle from right hand to left hand
- Ergoline frames have durable ball bearings providing maximum smooth operation
- Wear resistant sleeve bearings for smooth operating comfort
- FLEXTOP sleeve prevents wear and breakage at tape commencement
- Park position both for the tape ring and the handle



**Nothing can scratch me!**

- Measuring tapes with this symbol have a wear protection coating that is 10 times stronger than other coatings! The non-reflective coating on white lacquered tapes with metric graduations provides non-glare readability.



**Park position for tape commencement ring**



**Handle park position**



**FLEXTOP sleeve prevents wear and breakage at tape commencement (see also page 38)**



**RADIUS series has an ergonomic surface that is comfortable in the hand**

# Interesting Facts About Our Measuring Tapes

Tape measures with metric graduations are generally CE certified and are therefore considered initially calibrated. They are available in the Accuracy Classes I, II and III.

## Things to know about tape measures

BMI tape measures are produced in Germany according to the highest quality standards. BMI guarantees compliance with the European Measuring Instruments Directive – **MID**, for compliance with the predefined tolerance/error limits. (see page 28).

Standard Versions:

- Steel tape measures:  
Class II (Class I available for an additional charge)
- Fiberglass tape measures:  
Class II (Class III for cm/cm graduation)

## Reference conditions

These classes comply with an ambient temperature of 20° C and a reference tension of:

- 20 Newton (N) for fiberglass tapes and
- 50 Newton (N) for steel tapes.

## CE Certification

Measuring devices with metric graduations are usually CE certified and are therefore considered initially calibrated. A declaration of conformity replaces the previously used calibration certificate. Exempt from this CE certification are several plumb bob measuring tapes, special tapes, and tapes with the "C" commencement.

## Declaration of Conformity

A declaration of conformity can be issued for most measuring tapes with a metric graduation. It is enclosed in the delivery. The declaration confirms the requirements, including the compliance of the tolerance/error limits, according to the European Measuring Instruments Directive.

## Test Certificate\*

A test certificate certifies that the corresponding tested device complies with the requirements of the European Measuring Instruments Directive – **MID**. The tested device has an ID number and is assigned to the test certificate. This certificate can be issued with or without a factory calibration.

**Article N°.** 360 PB

## Factory Calibration Certificate\*

The factory calibration certificate indicates deviations of the tape measure at specified measuring Points. The device has an ID number that is assigned to the factory calibration certificate.

**Article N°.** 360 KA „Length“

The measuring points used to calibrate tape measures are standard. By request these standard points can be provided.

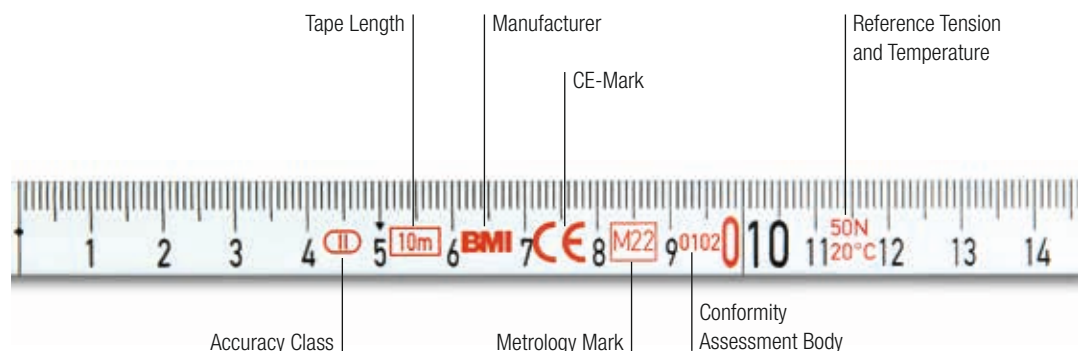
Length correction/temperature correction (see page 29)

## Quality measuring tape

Quality measuring tapes are labelled at the beginning of the tape:

- Manufacturer logo
- Nominal length
- Accuracy class
- CE and metrology marking
- Conformity assessment body
- Reference temperature and tension used by the manufacturer to guarantee compliance with the **MID** accuracy class.

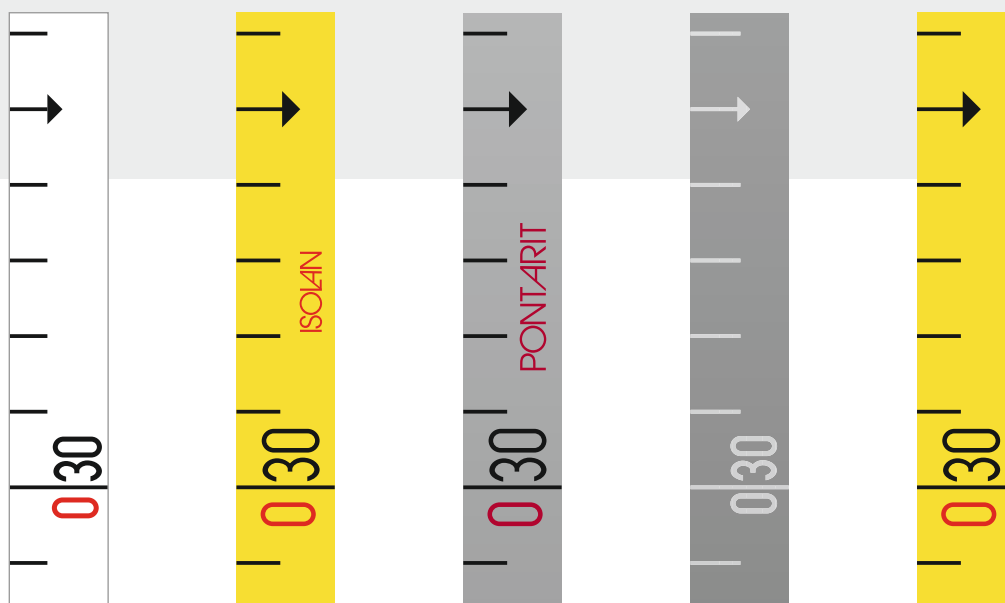
The use of quality materials and modern production processes ensure the outstanding value of BMI quality tape measures.



\* Declaration of Conformity and Factory Calibration Certificate are valid for 2 years.

Refer to our General Terms of Payment and Delivery

# Recommended Use



**BMI**

Tape Version:	Steel, lacquered white, printed graduation	Steel, lacquered yellow, printed graduation, Polyamide coating – “ISOLAN”	Stainless steel, printed graduation, “PONTARIT”	Stainless steel, etched graduation	Fiberglass reinforced plastic, printed graduation
<b>Characteristics:</b>					
Stainless	+	++	+++	+++	+++
Acid proof		+		+++	
Oil resistant				+++	
Non-conductive (insulated)					+++
Unbreakable/flexible	+	++	++	++	+++
Wear resistant	++	+++	+	++	+
Readability	+++	+++	++	+	+++
<b>Recommended use:</b>	<b>multipurpose</b>	<b>multipurpose, tough conditions</b>	<b>wet conditions</b>	<b>especially demanding conditions</b>	<b>multipurpose, less demanding conditions</b>
<b>Equipment options:</b>					
Graduation	cm, cm/cm, mm, mm/inch	cm, cm/cm, mm, mm/inch	cm, cm/cm, mm, mm/inch	cm, cm/cm, mm, mm/inch	cm, cm/cm, cm/inch
Lengths	10 to 100 m	10 to 100 m	10 to 100 m	10 to 100 m	10 to 100 m
Measurement commence	A, B, C, L	A, B, C, L	A, B, C, L	A, B, C, L	A, B, C
Tape commencements	all	all	all	all	all, but not with FLEXTOP
<b>Accuracy:</b>					
EC class	II, (I possible)	II, (I possible)	II, (I possible)	II, (I possible)	graduation on one side II graduation on one side III
Suitability for calibration	all versions of A and B, CH, L30	all versions of A and B, CH, L30	all versions of A and B, CH, L30	all versions of A and B, CH, L30, L476	all versions of A and B, CH

+ = good  
 ++ = better  
 +++ = best



# ERGOLINE

## ERGOLINE frame series

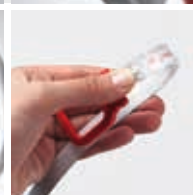
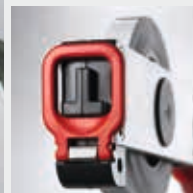
Ergonomically shaped frame,

comfortable handle with soft rubber knobs.

Park position for crank handle and tape commencement ring.

Ball bearings for an effortless rewind.

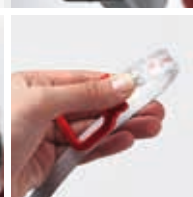
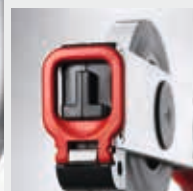
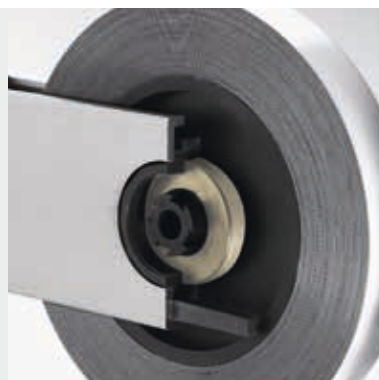
The durability and comfort of the ERGOLINE series frames cannot be surpassed.



# STANDARD

## STANDARD frame series

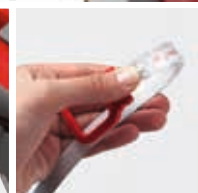
Similar to the ERGOLINE series except with sleeve bearings instead of ball bearings and without soft rubber knobs on the handle.



# BASIC

BASIC frame series

Strong, impact-resistant plastic frame with similar STANDARD frame features.

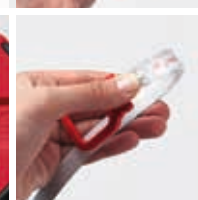
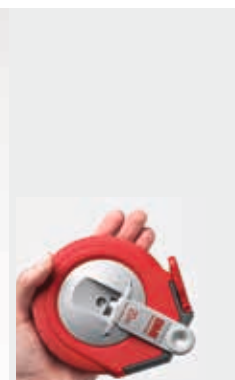


**BMI**

# RADIUS

RADIUS case series

Ergonomically shaped case made of ABS plastic with large crank handle and park position for the end ring. Slide bearing halves for the best rewind comfort.



## 555 CASE SERIES

555 case series

Handy, enclosed tape measure made of impact resistant plastic.

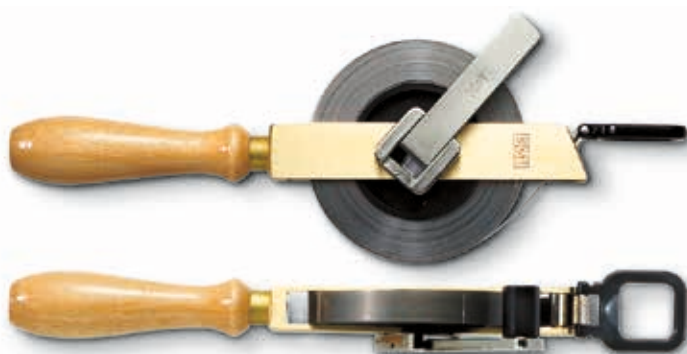
**Tape width 10 mm**



## BRASS FRAMES

Brass frames for steel tapes (top picture)

Brass frame with plumb bob, can be certified (bottom picture)



**Includes plumb bob 476,  
description on page 39,  
can be certified**



# Graduation Options

Graduations available  
Custom graduations upon request



1: (cm)



2: (cm/cm)



3: (cm/inch)



4: (mm)



5: (mm/inch)

## Measurement Commencements

**A:**  
Measurement commencement  
approx. 10 cm after ring fitting



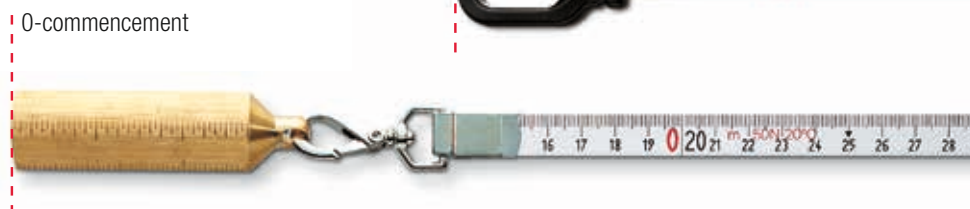
**B:**  
Measurement commencement  
at front edge of ring fitting



**C:**  
Measuring commencement  
at front of ring



**L:**  
Measurement commencement  
at bottom edge of plumb bob



# Tape Commencements

Metal fitting for all 13 mm steel tapes, break-proof plastic ring, 2 notches to attach plumb bobs. Standard fitting when fitting not specified.



**F:**  
FLEXTOP sleeve made of flexible transparent plastic, prevents wear and breakage.  
For all 13 mm steel measuring tapes, break-proof plastic ring, 2 notches to attach plumb bobs.



**BHF:**  
Ring with hook and FLEXTOP sleeve, measurement commencement B



**CH:**  
Metal ring with hook, measurement commencement C



**M:**  
Metal ring with metal fitting





## Weight 11

Brass, cylindrical, no graduation, length 190 mm, diameter 24 mm, weight 500 g (can be removed from the tape)

**Article N°.**  
340 00 11



## Weight 18

brass cylindrical, engraved mm-scale, length 113 mm, diameter 25 mm, weight 400 g (cannot be removed from the tape)

**CE**  
**Article N°.**  
340 01 18



## Weight 16

Stainless steel cylindrical, engraved mm scale on one and inch scale on the other side, length 113 mm, diameter 25 mm, weight 400 g (cannot be removed from the tape)

**CE**  
**Article N°.**  
340 02 16



## Weight 14

Brass cylindrical, engraved mm scale on one and inch scale on the other side, length 80 mm, diameter 24 mm, weight 300 g (cannot be removed from the tape)

**Article N°.**  
340 02 14



## Weight 10

Brass cylindrical, engraved mm scale on one and inch scale on the other side, length 89 mm, diameter 24 mm, weight 300 g (can be removed from the tape)

**Article N°.**  
340 02 10



## Weight 30

Brass cylindrical, torpedo-shaped ends, mm scale engraved on one side, length 153 mm, diameter 30 mm, weight 700 g (cannot be removed from the tape)

**CE**  
**Article N°.**  
340 01 30



## Weight 31 according to IPM Standard

Brass cylindrical, torpedo-shaped ends, mm scale engraved on one side, length 156 mm, diameter 30 mm, weight 700 g (can be removed from the tape)

**Article N°.**  
340 01 31 IPM



## Weight 476

Brass cylindrical, length 100 mm, diameter 45 mm, weight 660 g (cannot be removed from the tape)

**CE**  
see page 46

## Custom made measuring tapes

As an example – tapes with adhesive back and graduation from right to left.

We would be pleased to produce custom tapes for your individual needs. Almost anything is possible – just ask!

## Overview of tape options

# White enamelled 13 mm

White enamelled measuring tape,  
printed graduation

This is how your Article N° could look like:

301 01 1 010 A F

### ERGOLINE

Size 1/2



Size  
3/4



### STANDARD

Size 1/2



Size  
3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
301	01	X	010	X	X
301	01	X	015	X	X
301	01	X	020	X	X
301	02	X	025	X	X
301	02	X	030	X	X
301	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
301	03	X	050	X	X
301	04	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	01	X	010	X	X
501	01	X	015	X	X
501	01	X	020	X	X
501	02	X	025	X	X
501	02	X	030	X	X
501	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	03	X	050	X	X
501	04	X	100	X	X

Please choose  
numbers and capital  
letters of desired  
tape features to create  
your Article N°.

#### Graduations

1	(cm)	
4	(mm)	
5	(mm/inch)	

25% surcharge

#### Measurement commencements

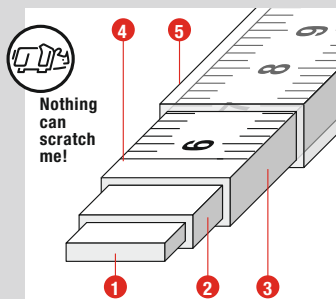
A	
B	
C	
L	

Please order weight separately,  
see p.39 for model variants

#### Tape commencements (optional)

F	(FLEXTOP)	
HF	(hookring flexible) surcharge	
M	(metal ring)	

for measurement  
commencement B  
for measurement  
commencement C



## Tape structures

- 1 Tempered spring blade made of carbon steel C 75
- 2 Anticorrosive phosphate coating
- 3 White synthetic resin lacquer, fired
- 4 Printed graduation with red meter numbers
- 5 Clear coat to protect against wear, fired



**BMI**

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	31	X	010	X	X
501	31	X	015	X	X
501	31	X	020	X	X
501	31	X	025	X	X
501	31	X	030	X	X
501	32	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	34	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	21	X	010	X	X
501	21	X	015	X	X
501	21	X	020	X	X
501	22	X	025	X	X
501	22	X	030	X	X
501	23	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
501	00	X	010	X	X
501	00	X	015	X	X
501	00	X	020	X	X
501	00	X	025	X	X
501	00	X	030	X	X
501	00	X	050	X	X
501	00	X	100	X	X

## BASIC

Size 1/2



Size 4



## RADIUS case



## Replacement tapes

Graduations
1 (cm)
4 (mm)
5 (mm/inch) 25% surcharge

Measurement commencements
A
B
C
L

Please order weight separately, see p.39 for model variants

Tape commencements (optional)
F (FLEXTOP)
HF (hookring flexible) surcharge
M (metal ring)

for measurement commencement B  
for measurement commencement C

Please choose numbers and capital letters of desired tape features to create your Article N°.

# Overview of tape options

## ISOLAN

### 13 mm

ISOLAN tape, polyamide coating, printed graduation

This is how your Article N° could look like:

305 01 1 010 A F

#### ERGOLINE

Size 1/2



Size 3/4



#### STANDARD

Size 1/2



Size 3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	
305	01	X	010	X	X	
305	02	X	015	X	X	
305	02	X	020	X	X	
305	02	X	025	X	X	
305	02	X	030	X	X	
Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	
305	03	X	030	X	X	
305	04	X	050	X	X	
305	04	X	100	X	X	
Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	
505	01	X	010	X	X	
505	02	X	015	X	X	
505	02	X	020	X	X	
505	02	X	025	X	X	
505	02	X	030	X	X	
Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	
505	03	X	030	X	X	
505	04	X	050	X	X	
505	04	X	100	X	X	

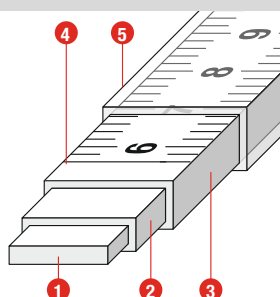
Please choose numbers and capital letters of desired tape features to create your Article N°.

Graduations	
1 (cm)	
4 (mm)	
5 (mm/inch)	
25% surcharge	

Measurement commencements	
A	
B	
C	
L	
Please order weight separately, see p.39 for model variants	

Tape commencements (optional)	
F (FLEXTOP)	
HF (hookring flexible) surcharge	
for measurement commencement B	
for measurement commencement C	
M (metal ring)	





### Tape structures

- 1 Tempered spring blade made of carbon steel C 75
- 2 Anticorrosive phosphate layer
- 3 Yellow synthetic resin lacquer, fired
- 4 Printed graduation with red meter numbers
- 5 Clear coat to protect against wear, fired\*

\* Corrosion resistant from chemicals, grease and oil



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
505	31	X	010	X	X
505	31	X	015	X	X
505	31	X	020	X	X
505	32	X	025	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
505	33	X	030	X	X
505	34	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
505	21	X	010	X	X
505	22	X	015	X	X
505	22	X	020	X	X
505	22	X	025	X	X
505	23	X	030	X	X
505	23	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
505	00	X	010	X	X
505	00	X	015	X	X
505	00	X	020	X	X
505	00	X	025	X	X
505	00	X	030	X	X
505	00	X	050	X	X
505	00	X	100	X	X

### BASIC

Size 1/2



Size 3/4



### RADIUS case



### Replacement tapes

Graduations	
1 (cm)	
4 (mm)	
5 (mm/inch)	
25% surcharge	

Measurement commencements	
A	
B	
C	
L	
Please order weight separately, see p.39 for model variants	

Tape commencements (optional)	
F (FLEXTOP)	
HF (hookring flexible) surcharge	
M (metal ring)	

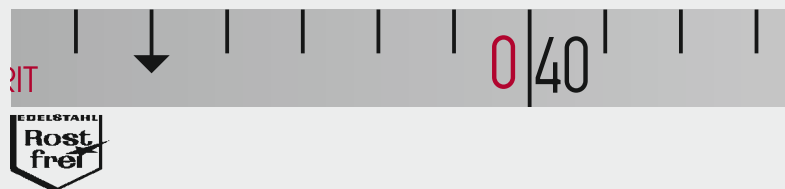
Please choose numbers and capital letters of desired tape features to create your Article N°.



## Overview of tape options

# PONTARIT 13 mm

PONTARIT stainless steel tape,  
printed graduation



This is how your Article N° could look like:

315 01 1 010 A F

### ERGOLINE

Size 1/2



Size  
3/4



### STANDARD

Size 1/2



Size  
3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
315	01	X	010	X	X
315	01	X	015	X	X
315	01	X	020	X	X
315	02	X	025	X	X
315	02	X	030	X	X
315	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
315	03	X	050	X	X
315	04	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	01	X	010	X	X
515	01	X	015	X	X
515	01	X	020	X	X
515	02	X	025	X	X
515	02	X	030	X	X
515	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	03	X	050	X	X
515	04	X	100	X	X

Please choose numbers and capital letters of desired tape features to create your Article N°.

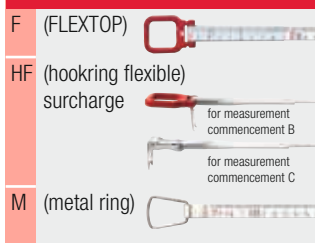
#### Graduations

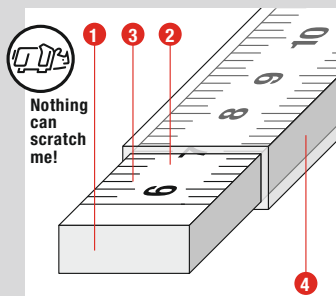


#### Measurement commencements



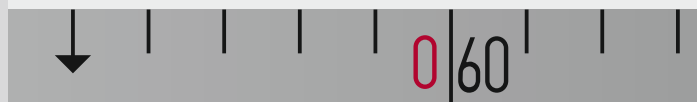
#### Tape commencements (optional)





## Tape structures

- 1 Strain-hardened spring blade made of stainless chrome nickel steel
- 2 Matt-pickled surface
- 3 Printed graduation with red meter numbers
- 4 Clear coat to protect against wear, fired



**BMI**

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	31	X	010	X	X
515	31	X	015	X	X
515	31	X	020	X	X
515	31	X	025	X	X
515	31	X	030	X	X
515	32	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	34	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	21	X	010	X	X
515	21	X	015	X	X
515	21	X	020	X	X
515	22	X	025	X	X
515	22	X	030	X	X
515	23	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
515	00	X	010	X	X
515	00	X	015	X	X
515	00	X	020	X	X
515	00	X	025	X	X
515	00	X	030	X	X
515	00	X	050	X	X
515	00	X	100	X	X

## BASIC

Size 1/2



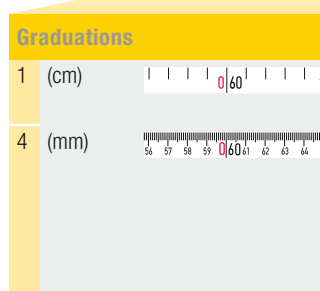
Size 4



## RADIUS case



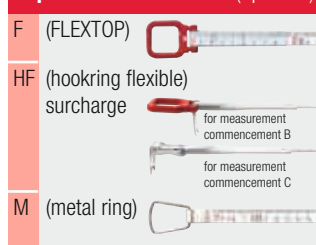
## Replacement tapes



## Measurement commencements



## Tape commencements (optional)



Please choose numbers and capital letters of desired tape features to create your Article N°.

## Overview of tape options

# High etched 13 mm



This is how your Article N° could look like:

309 01 1 010 A F

High etched stainless steel tape

### ERGOLINE

Size 1/2



Size

3/4



### STANDARD

Size 1/2



Size

3/4



### Brass frame series



weight 476 is included, please see page 39 for description, can be calibrated

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
309	01	X	010	X	X
309	01	X	015	X	X
309	01	X	020	X	X
309	02	X	025	X	X
309	02	X	030	X	X
309	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
309	03	X	050	X	X
309	04	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	01	X	010	X	X
509	01	X	015	X	X
509	01	X	020	X	X
509	02	X	025	X	X
509	02	X	030	X	X
509	02	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	03	X	050	X	X
509	04	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
309	12	4	010	L	476
309	12	4	015	L	476
309	12	4	020	L	476
309	12	4	025	L	476
309	12	4	030	L	476
309	12	4	050	L	476

Please choose numbers and capital letters of desired tape features to create your Article N°.

#### Graduations

1	(cm)	
4	(mm)	
5	(mm/inch)	

25% surcharge

#### Measurement commencements

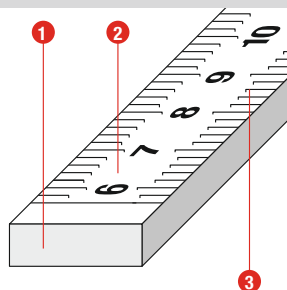
A	
B	
C	
L	

Please order weight separately, see p.39 for model variants

#### Tape commencements (optional)

F	(FLEXTOP)	
HF	(hookring flexible) surcharge	
M	(metal ring)	

for measurement commencement B  
for measurement commencement C



### Tape structures

- 1 Hardened spring blade made of stainless chrome steel
- 2 Lowered, etched surface
- 3 Raised, polished graduation



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	31	X	010	X	X
509	31	X	015	X	X
509	31	X	020	X	X
509	31	X	025	X	X
509	31	X	030	X	X
509	32	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	34	X	100	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	21	X	010	X	X
509	21	X	015	X	X
509	21	X	020	X	X
509	22	X	025	X	X
509	22	X	030	X	X
509	23	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
509	00	X	010	X	X
509	00	X	015	X	X
509	00	X	020	X	X
509	00	X	025	X	X
509	00	X	030	X	X
509	00	X	050	X	X
509	00	X	100	X	X

### BASIC

Size 1/2



Size 4



### RADIUS case



### Replacement tapes

Graduations	
1 (cm)	
4 (mm)	
5 (mm/inch)	
25% surcharge	

Measurement commencements	
A	
B	
C	
L	
Please order weight separately, see p.39 for options	

Tape commencements (optional)	
F (FLEXTOP)	
HF (hookring flexible) surcharge	
for measurement commencement B	
for measurement commencement C	
M (metal ring)	

Please choose numbers and capital letters of desired tape features to create your Article N°.

## Overview of tape options

# Plastic 13 mm

Fiberglass reinforced plastic  
measuring tape

This is how your Article N° could look like:

320 01 1 010 A

### ERGOLINE

Size 1/2



Size  
3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
320	01	X	010	X	X
320	02	X	020	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
320	03	X	030	X	X
320	04	X	050	X	X

### STANDARD

Size 1/2



Size  
3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	01	X	010	X	X
520	02	X	020	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	03	X	030	X	X
520	04	X	050	X	X
520	04	X	100	X	X

Please choose  
numbers and capital  
letters of desired  
tape features to create  
your Article N°.

#### Graduations

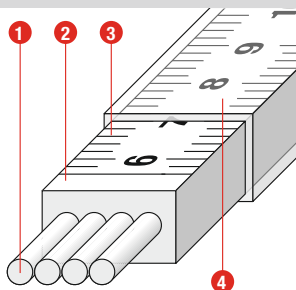
1	(cm)	
2	(cm/cm) 25% surcharge	
3	(cm/inch) 25% surcharge	

#### Measurement commencements

A	
B	
C	

#### Tape commencements (optional)

H	(hookring) surcharge	
		for measurement commencement B
		for measurement commencement C



### Tape structures

- 1 Fiberglass
- 2 Extruded plastic coating
- 3 Printed graduation with red meter digits
- 4 Clear coated to protect against wear



**BMI**

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	31	X	010	X	X
520	32	X	020	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	33	X	030	X	X
520	34	X	050	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	21	X	010	X	X
520	22	X	020	X	X
520	23	X	030	X	X

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement
520	00	X	010	X	X
520	00	X	020	X	X
520	00	X	030	X	X
520	00	X	050	X	X
520	00	X	100	X	X

### BASIC

Size 1/2



Size 3/4



### RADIUS case



### Replacement tapes

Graduations	
1	(cm) 0 60
2	(cm/cm) 0 60 // 25% surcharge
3	(cm/inch) 0 60 // 0 2 Ft 25% surcharge

Measurement commencements	
A	Image of hookring
B	Image of hookring
C	Image of hookring

Tape commencements (optional)	
H	(hookring) surcharge
	for measurement commencement B
	for measurement commencement C

Please choose numbers and capital letters of desired tape features to create your Article N°.



# Overview of tape options

## High etched 13 mm

Tank dipping tapes according to IPM specification

High etched measuring tape

This is how your Article N° could look like:

312 11 4 010 L 31

according to IPM specification



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	
312	11	4	010	L	31	
312	11	4	020	L	31	
312	11	4	030	L	31	
312	11	4	050	L	31	

including weight 31, please see p.39 for description, mm graduation

# Overview of tape options

## White enamelled, 10 mm

White enamelled measuring tape, printed graduation

This is how your Article N° could look like:

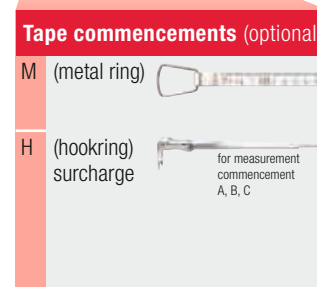
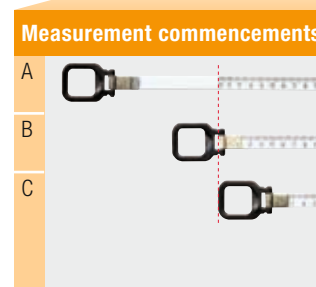
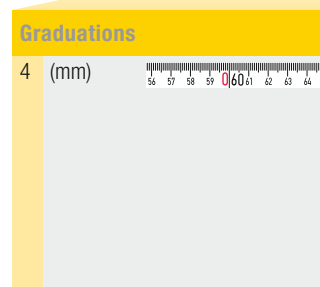
303 17 4 010 A M

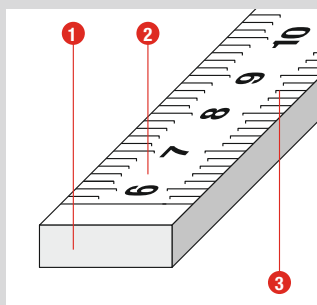
555 case series



Type	Kapsel-Size	Graduation number	Length meter	Measurement commencement	Tape commencement	
303	17	4	010	X	X	
303	17	4	020	X	X	
303	17	4	030	X	X	

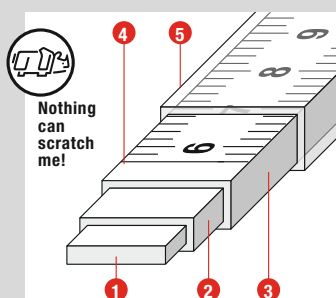
Please choose numbers and capital letters of desired tape features to create your Article N°.





### Tape structures

- 1 Tempered spring blade made of carbon steel C 75
- 2 Lowered, etched surface
- 3 Raised, polished graduation



### Tape structures

- 1 Tempered spring blade made of carbon steel C 75
- 2 Anticorrosive phosphate layer
- 3 White synthetic resin lacquer, fired
- 4 Printed graduation with red meter numbers
- 5 Clear coat to protect against wear, fired



### Case Dimensions

- Size I 80 x 80 x 20 mm
- Size II 100 x 100 x 20 mm
- Size III 112 x 112 x 20 mm

# Custom made measuring tapes

White enamelled measuring tape,  
printed graduation

self-  
adhesive

→ from left to right side

Tape width 13 mm



from right to left side ←

## Custom made measuring tapes

As an example - tapes with adhesive back and graduation from right to left.

We would be pleased to produce custom tapes for your individual needs. Almost anything is possible – just ask!

The following lengths can be calibrated 1, 2, 5, 10 m

**Factory calibration certificate can be issued for custom made measuring tapes and pocket tapes.**

Independent of the tape length, a total of 10 measuring points are verified and documented. For tapes up to 10 m.

**Article N°.** 360 KA 010

Article N°.	Length in m	Graduation	
<b>white-enamelled, from left to right</b>			
357 00 4 001 LNR	1 m	mm/-	
357 00 4 002 LNR	2 m	mm/-	
357 00 4 005 LNR	5 m	mm/-	
357 00 4 010 LNR	10 m	mm/-	
<b>white-enamelled, from left to right, self-adhesive</b>			
357 00 4 001 LNR-SK	1 m	mm/-	
357 00 4 002 LNR-SK	2 m	mm/-	
357 00 4 005 LNR-SK	5 m	mm/-	
357 00 4 010 LNR-SK	10 m	mm/-	
<b>white-enamelled, from right to left</b>			
357 00 4 001 RNL	1 m	mm/-	
357 00 4 002 RNL	2 m	mm/-	
357 00 4 005 RNL	5 m	mm/-	
357 00 4 010 RNL	10 m	mm/-	
<b>white-enamelled, from right to left, self-adhesive</b>			
357 00 4 001 RNL-SK	1 m	mm/-	
357 00 4 002 RNL-SK	2 m	mm/-	
357 00 4 005 RNL-SK	5 m	mm/-	
357 00 4 010 RNL-SK	10 m	mm/-	
<b>white-enamelled, 0-point centered</b>			
357 00 4 001-OM	1 m	mm/-	
357 00 4 002-OM	2 m	mm/-	
357 00 4 003-OM	3 m	mm/-	
357 00 4 005-OM	5 m	mm/-	
<b>white-enamelled, 0-point centered self-adhesive</b>			
357 00 4 001-OM-SK	1 m	mm/-	
357 00 4 002-OM-SK	2 m	mm/-	
357 00 4 003-OM-SK	3 m	mm/-	
357 00 4 005-OM-SK	5 m	mm/-	

Article N°.	Length in m	Graduation	
<b>polyamide-coated, ISOLAN, from left to right</b>			
357 07 4 001 LNR	1 m	mm/-	
357 07 4 002 LNR	2 m	mm/-	
357 07 4 005 LNR	5 m	mm/-	
357 07 4 010 LNR	10 m	mm/-	
<b>polyamide-coated, ISOLAN, from left to right, self-adhesive</b>			
357 07 4 001 LNR-SK	1 m	mm/-	
357 07 4 002 LNR-SK	2 m	mm/-	
357 07 4 005 LNR-SK	5 m	mm/-	
357 07 4 010 LNR-SK	10 m	mm/-	



## Interesting Facts About BMI Pocket Tape Measures

BMI pocket tape measures are produced in Germany according to the highest quality standards. BMI guarantees compliance with the European Measuring Instruments Directive – **MID**, for compliance with the predefined tolerance/error limits. (see page 28)

BMI pocket measuring tapes are available in accuracy classes I and II.

### Reference conditions

These classes comply with an ambient temperature of 20 °C

### CE Certification

Measuring devices with metric divisions are usually CE certified and are therefore considered initially calibrated. A declaration of conformity replaces the previously used calibration certificate.

### Declaration of Conformity

A declaration of conformity is issued for all long measuring tapes with a metric graduation. The declaration confirms the compliance of the tolerance/error guidelines according to the European Measuring Instruments Directive known as **MID**.

### Test Certificate\*

A test certificate confirms that the corresponding tested device complies with the requirements of the European Measuring Instruments Directive – **MID**. The tested device has an ID number and is assigned to the test certificate. This certificate can be issued with or without a factory calibration.

**Article N°.** 360 PB

### Factory Calibration Certificate\*

The calibration certificate indicates deviations of the tape measure at specified measuring points. The device has an ID number that is assigned to the factory calibration certificate.

The measuring points used to calibrate tape measures are standard. Instead of standard points, these measuring points can be customer specified.

**Article N°.** 360 KA 010

Length correction / temperature compensation (see page 29)

\*Declaration of Conformity and Test Certificate are valid for 2 years

# Pocket Tape Measures

BMI pocket tape measures are as versatile as the unique demands of their users. From our special case designs to the tape measure functions – longitude, internal measurements, radius, mm/mm graduations, mm/inch graduation, our tape measures are practical for many applications. There is almost no limit to your expectations. Because we produce our tape measures in our own factory, almost any configuration can be ordered – even in small quantities. Our priority is to produce tape measures that meet the users expectations of operation, durability and precise measurement.

## ADVANTAGES

- Durability in demanding conditions – our tapes have a phosphate base coat that prevents the tapes from rusting.



Nothing  
can scratch  
me!

- BMI pocket tape measures have a transparent wear prevention coating that is 10 times stronger than most coatings!
- Highly durable spring return mechanism made of spring steel.
- Quality mechanism – winding drum and washer spacers ensure a smooth recoil
- Durable case made of impact resistant ABS or polyamide plastic.



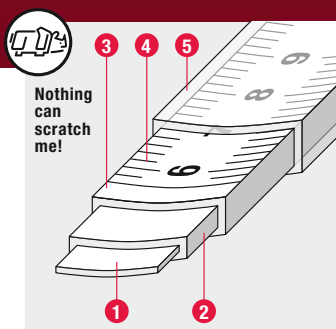
### Internal measurements

The In-Out, VISO, Top, Top M, and X 4 allow the internal measurement to be read in the window on top. With the other tape measures, the length of the case must be added.



### End Hook

Nickel-plated, metal sliding hook is adjustable for both internal and external measurements.



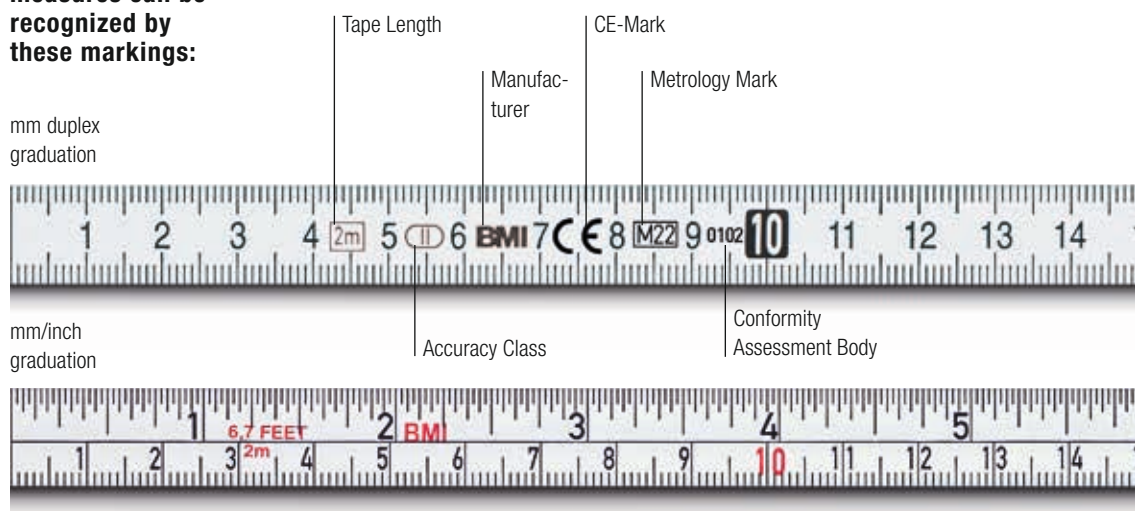
### Tape structure

- 1 Concaved, tempered spring steel blade for better stability
- 2 Wear resistant phosphate coating
- 3 Synthetic resin lacquer – fired
- 4 Printed graduation with red meter numbers
- 5 Clear coat to protect against wear, fired

### Quality tape measures can be recognized by these markings:

mm duplex  
graduation

mm/inch  
graduation





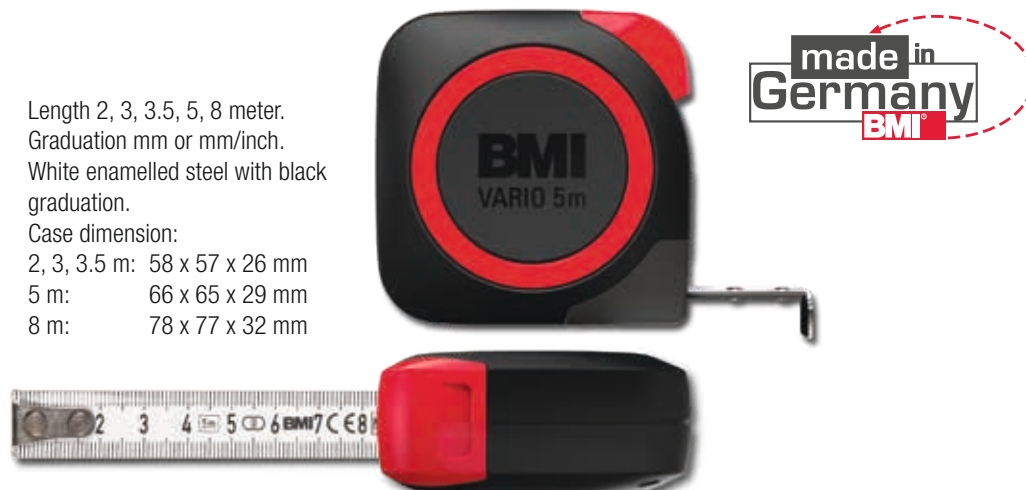
# Pocket Tape Measures

## 411 VARIO Standard

A super light and handy pocket tape measure specially designed with the professional in mind. The case is made of fiberglass reinforced, impact-resistant ABS plastic. The innovative mechanism redefines the pocket tape measure category.

Length 2, 3, 3.5, 5, 8 meter.  
Graduation mm or mm/inch.  
White enamelled steel with black graduation.  
Case dimension:  
2, 3, 3.5 m: 58 x 57 x 26 mm  
5 m: 66 x 65 x 29 mm  
8 m: 78 x 77 x 32 mm

EC accuracy class II.



Length	2 m	2 m/79"	3 m	3 m/122"	3,5 m	3,5 m/138"	5 m	5 m/197"	8 m
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch	mm	mm/inch	mm
Width	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm	16 mm	16 mm	19 mm
Article N°.	411 241	411 251	411 341	411 351	411 3,5	411 3,5Z	411 541	411 551	411 841

Packaging options: blister pack or bulk carton

## 411 VARIO Stainless

A stainless steel version for demanding applications. The tape and hook as well as the internal spring are made of stainless steel. All other features are the same as the Vario Standard. Stainless steel with black graduation.

EC accuracy class II.



Length	2 m	2 m/79"	3 m	3 m/122"	5 m	5 m/197"	8 m
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch	mm
Width	13 mm	13 mm	13 mm	13 mm	16 mm	16 mm	19 mm
Article N°.	411 243	411 253	411 343	411 353	411 543	411 553	411 843

Packaging options: blister pack or bulk carton

## 411 VARIO EC I High Precision

The latest production process ensures the most precise measurements. All other features are the same as the Vario Standard. Allowed tolerance:

### Comparison

	EG I	to	EG II
1 m	± 0,3 mm		± 0.7 mm
2 m	± 0,4 mm		± 0.9 mm
3 m	± 0,5 mm		± 1.1 mm
5 m	± 0,7 mm		± 1.5 mm
8 m	± 1,0 mm		± 2.1 mm



Length	2 m	3 m	5 m	8 m
Graduation	mm	mm	mm	mm
Width	13 mm	13 mm	16 mm	19 mm
Article N°.	411 2418	411 3418	411 5418	411 8418

Packaging options: blister pack or bulk carton



## exclusive advantages provided only by BMI!



### Lightweight

25 % less volume; 5 % less weight. The ideal pocket tape for professional use.



### Kickback-free

The rubber T-formed damper absorbs the blade kickback energy. It makes the recoil of especially long tapes more comfortable on the hand and wrist.



### Remarkably smooth

The hub and tape release are made of TRIBOCOMP® with Teflon. This special material ensures a super smooth blade function and an exceptionally effortless tape return.



### Hook-Airbag

The hook rest area is more spacious to protect the stainless steel hook from damage and deformation upon impact.



### Effortless locking

Especially handy is the easy to press blade locking button. A light press of the finger is all that is necessary to lock the blade in place.



### Sleek belt clip

The belt clip\* is made of smooth stainless steel wire without any sharp edges – allowing quick and easy attachment and removal without damaging your belt.



### Scratch me if you can!

A special clear varnish protects the blade from wear. An additional anti-glare coating makes the tape easy to read under all lighting conditions.

\*optional with surcharge



# Pocket Tape Measures

## 411 VARIO Mini

An especially small and handy pocket tape measure. The case is made of fiberglass reinforced, impact-resistant, polyamide plastic. The mechanisms of this tape measure redefine the category of pocket tape measures.

EC class II.  
 Length: 3 m  
 Tape width: 10 mm  
 Case dimensions:  
 50 x 50 x 20 mm

Compare to the  
 Vario Standard 3 m  
 58 x 57 x 26 mm



35%  
 less  
 volume

Length	3 m
Graduation	mm
Width	10 mm
Article N°.	411 341/10

Packaging options: blister pack or bulk carton



## Quality in Miniature !

The same product advantages  
 as the Vario Standard 411  
 (page 57)



### 475 chrom

Pocket tape measure with a durable tape mechanism. Impact-resistant ABS chrome finish case with soft, rubberized hand grip for comfort and secure handling. Automatic tape recoil with blade lock and belt clip.

Lengths 2, 3, 5 and 8 m with mm or mm/inch graduations.

Blade width:

2+3 m: 16 mm

5 m: 19 mm

8 m: 25 mm

Case dimensions:

2 m: 60 x 60 x 32 mm

3 m: 60 x 60 x 32 mm

5 m: 70 x 70 x 36 mm

8 m: 83 x 83 x 45 mm



Length	2 m	3 m	5 m	8 m
Graduation	mm	mm	mm	mm
Width	16 mm	16 mm	19 mm	25 mm
Article N°.	475 241	475 341	475 541	475 841

Packaging options: blister pack or bulk carton

### 472 twoComp

Pocket tape measure with a durable tape mechanism. Impact-resistant ABS case with soft, rubberized hand grip for comfort and secure handling. Automatic tape recoil with blade lock and belt clip.

Lengths 2, 3, 5, 8, and 10 m in mm graduation.

Blade with:

2+3 m: 16 mm

5 m: 19 mm

8 m: 25 mm

10 m: 30 mm

Case dimensions:

2 m: 60 x 60 x 32 mm

3 m: 60 x 60 x 32 mm

5 m: 70 x 70 x 36 mm

8 m: 80 x 80 x 45 mm

10 m: 88 x 88 x 45 mm



Length	2 m	3 m	5 m	8 m	10 m
Graduation	mm	mm	mm	mm	mm
Width	16 mm	16 mm	19 mm	25 mm	30 mm
Article N°.	472 241	472 341	472 541	472 841	472 041
Article N°.	472 241 M	472 341 M	472 541 M	472 841 M	472 041 M



Packaging options: blister pack or bulk carton

Refer to our General Terms of Payment and Delivery



# Pocket Tape Measures

## 404 IN-OUT

Pocket tape measure with window on top to read internal measurements (see page 55). The graduation in the window is not displayed upside down so reading errors are avoided. Smooth drive mechanism is protected by a polyamide case with a blade lock.

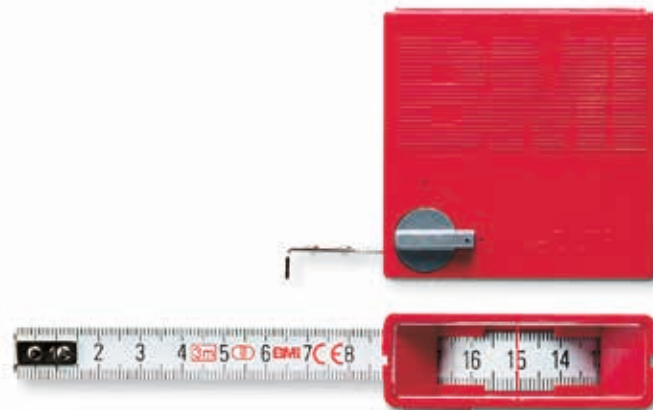
Lengths 2 and 3 m with mm or mm/inch graduations.

Blade width 13 mm.

Case dimensions:

2 m: 52 x 55 x 21 mm

3 m: 60 x 60 x 21 mm



Length	2 m	2 m/79"	3 m	3 m/122"
Graduation	mm	mm/inch	mm	mm/inch
Width	13 mm	13 mm	13 mm	13 mm
Article N°.	404 241	404 251	404 341	404 351

## 405 VISO

A multi-purpose measurement and marking tool:

1. Conventional longitudinal measuring
2. Internal measuring (see page 55)
3. Radius drawing

The graduation in the window is not displayed upside down so reading errors can be avoided. Smooth drive mechanism is protected by a polyamide case with a blade lock.

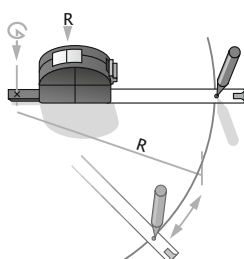
Tape has mm or mm/inch graduations.

Blade width 16 mm.

Case dimensions:

65 x 65 x 25 mm

A metal point integrated in a plastic piece on the bottom of the case flips out to create a compass that can be used to draw radii up to 6 m.



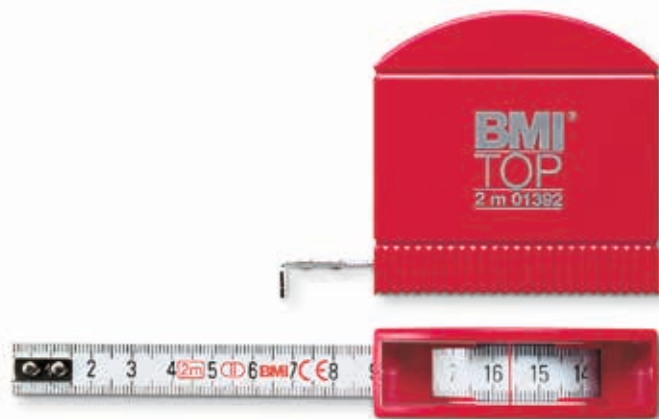
Length	3 m	3 m/122"	3m Stainless
Graduation	mm	mm/inch	mm
Width	16 mm	16 mm	16 mm
Article N°.	405 341	405 351	405 34 3030

## 407 TOP / 406 TOP-M

Pocket tape measure with window on top to read internal measurements (see page 55). The graduation in the window is not displayed upside down so reading errors are avoided. Smooth drive mechanism is protected by a polyamide case with a blade lock.

Lengths 2 and 3 m with mm or mm/inch graduations.  
Blade width 13 mm.  
Case dimensions:  
65 x 65 x 21 mm

406 TOP-M:  
with steel base



### 406 TOP-M: with steel base

Length	2 m	2 m/79"	3 m	3 m/122"	2 m	2 m/79"	3 m	3 m/122"
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch	mm/inch	mm/inch
Width	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm
Article N°.	407 241	407 251	407 341	407 351	406 241	406 251	406 341	406 351

## 408 X4

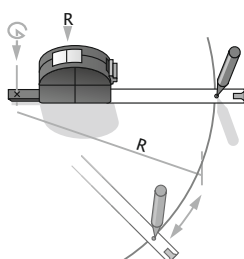
The most versatile tape with 4 functions:

1. Conventional longitudinal measuring
2. Internal measuring (see page 55)
3. Radius drawing
4. Level

The graduation in the window is not displayed upside down so reading errors can be avoided. Smooth drive mechanism is protected by a polyamide case with a blade lock.

Tape has mm or mm/inch graduations.  
Blade width 13 mm.  
Case dimensions:  
60 x 80 x 20 mm

A metal point integrated in a plastic piece on the bottom of the case flips out to create a compass that can be used to draw radii up to 6 m.



Length	3 m	3 m/122"
Graduation	mm	mm/inch
Width	13 mm	13 mm
Article N°.	408 341	408 351

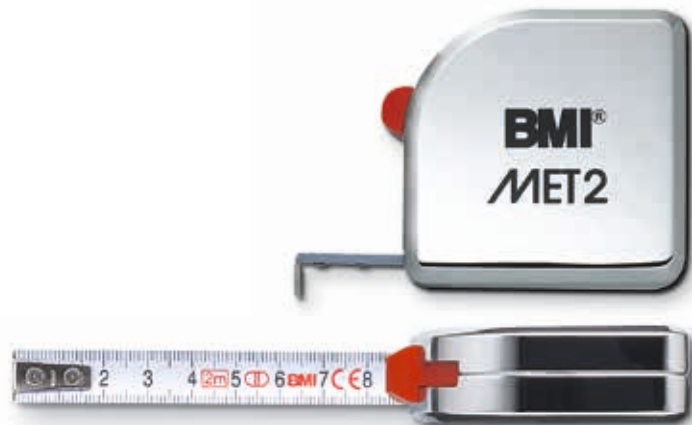


# Pocket Tape Measures

## 490 MET

Pocket tape measure made of heat-resistant die-cast zinc with a chrome finish. Automatic tape recoil with a blade lock.

Lengths 2 and 3 m with mm or mm/inch graduations.  
Blade width 13 mm.  
Case dimensions:  
60 x 58 x 19 mm



Length	2 m	2 m/79"	3 m	3 m/120"
Graduation	mm	mm/inch	mm	mm/inch
Width	13 mm	13 mm	13 mm	13 mm
Article N°.	490 241	490 251	490 341	490 351

Individually boxed

Both tape and ruler in one!

# The new **BMI**meter with tape stop and belt clip

**BMI**meter  
in Action:  
[www.bmi.de](http://www.bmi.de)



Belt clip

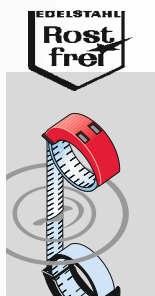


Should the tape roll out on its own or should it recoil? Simply press the tape stop button.

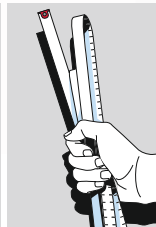
... rolls out on its own!



can be used as a ruler



waterproof, stainless



unbreakable

Length	2 m	2 m/79"	3 m	3 m/118"
Graduation	mm	mm/inch	mm	mm/inch
Width	16 mm	16 mm	16 mm	16 mm
Article N°.	429 24 1021	429 25 1021	429 34 1021	429 35 1021

blister pack

The BMI-Quicky, sold by hundreds of thousands, has been further developed and is now called **BMI**meter.

#### The main changes:

- **BMI**meter has a tape stop!
- **BMI**meter is available in 2 m and 3 m!

A completely unique precision tape measure and ruler in one!

#### Unique:

The **BMI**meter blade is designed so that it actually rolls out on its own!

#### Benefits:

- white lacquered, stainless steel tape
- totally waterproof
- unbreakable, durable
- EC class II accuracy ( $\pm 0.9$  mm/2 m – a wooden ruler is 2.2 mm/2 m)
- compact, light and handy
- perfect for use as a ruler
- tape lies straight to draw lines or make precise measurements
- first of it's kind!
- **Made in Germany!**

Display **BMI**meter 2 meter  
Article N°. 429 2410 61-VK

Contents: 30 pcs.





## Interesting facts about BMI rules

BMI rules are produced according to the highest quality standards. BMI guarantees compliance with the European Measuring Instruments Directive – **MID**, for compliance with the predefined tolerance/error limits (see page 28).

BMI pocket measuring tapes are available in accuracy classes II and III.

### Reference conditions

These classes comply with an ambient temperature of 20 °C

### CE Certification

Metric rules starting with the length 0.5 m are usually CE certified and are therefore considered initially calibrated. A declaration of conformity replaces the previously used calibration certificate.

### Declaration of Conformity

A declaration of conformity can be issued for all rules with a metric graduation. The declaration confirms the compliance of the tolerance/error guidelines according to the European Measuring Instruments Directive known as **MID**.

### Test Certificate

A test certificate confirms that the corresponding tested device complies with the requirements of the European Measuring Instruments Directive – **MID**. The tested device has an ID number and is assigned to the test certificate. This certificate can be issued with or without a factory calibration.

**Article N°.** 360 PB

### Factory calibration certificate

The calibration certificate indicates deviations of the rule at specified measuring points. The device has an ID number that is assigned to the factory calibration certificate.

The measuring points used to calibrate tape measures are standard. Instead of standard points, these measuring points can be customer specified.

**Article N°.** 360 KA 010

\*Declaration of Conformity and Test Certificate are valid for 2 years

# Rules

Rules and folding rules made of wood, plastic or metal are still the standard measuring instruments for craftsmen and manufacturing. BMI has the best measuring devices for various applications and depending on environmental influences such as heat and humidity.

## ADVANTAGES

### Wooden folding rules

- Strong quality beechwood
- High break resistance
- Strong spring joints make BMI folding rules especially durable and easy to use
- Permanently lubricated joints
- Durable varnish coat

### Plastic folding rules

- Precisely embossed graduation
- Element exposure resistant

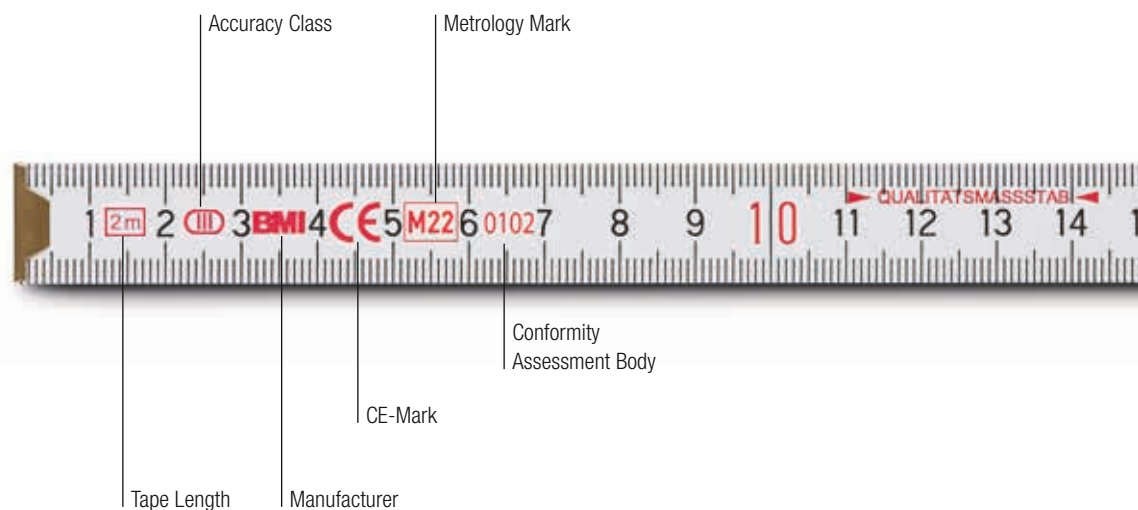
### Aluminum folding rules

- Rigid
- Accuracy class II
- Heat and element exposure resistant

### Flexible and rigid rules

- Rustproof
- Accuracy class II
- Etched, permanent graduation

Quality tape measures can be recognized by these markings:

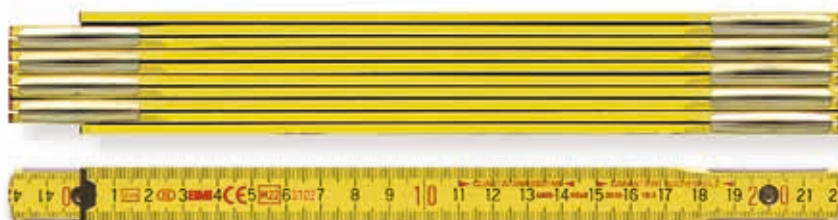




# Wooden Rules

## 9002/9042/9052

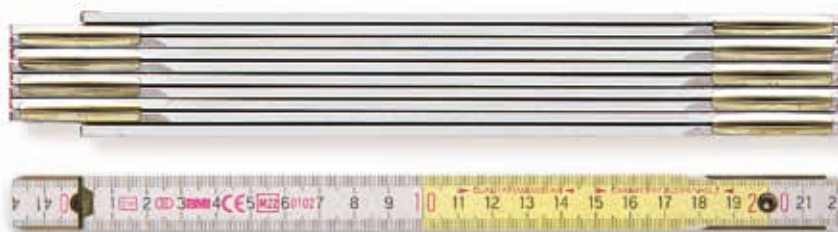
Beechwood folding rule\* – section thickness 3.0 mm, section height 16 mm, 10 sections. Riveted, brass-plated spring joints to ensure measuring accuracy. Length 2 m with duplex graduation. Also available in 1 m length with 6 sections. Package unit: 50 pcs.



	2 m yellow	1 m yellow	2 m white	2 m nature	2 m white	
<b>Article N°.</b>	972 9002 00	971 9001 00	980 9042 00	981 9052 00	980 9042 13	front mm, rear inch-graduation

## 9802

Beechwood folding rule\* – section thickness 3.0 mm, section height 16 mm, 10 sections. Riveted, brass-plated spring joints to ensure measuring accuracy. 2 m with duplex graduation. Every 10 cm color changes from white to yellow. Package unit: 50 pcs.



	2 m white/yellow
<b>Article N°.</b>	982 9802 00

## 9082

Beechwood folding rule\* – section thickness 3.0 mm, section height 16 mm, 10 sections. Fatigue-free internal spring joints. Durable white lacquer, 2 m with duplex graduation. Package unit: 50 pcs.



	2 m white	2 m white/yellow
<b>Article N°.</b>	977 9082 00	977 9082 WG

**Recessed joints provide a seamless straight edge when the rule is unfolded.**



\* All wooden rules are EC class III.

# Wooden rules with angle scale!



**9072**

Angle scale in joint of the first section. Clicks into 90 degree position. Section thickness 3.4 mm, white lacquer, 2 m long with duplex graduation. Package unit: 50 pcs



2 m white

Article N°. 976 9072 00

Recessed joints provide a seamless straight edge when the rule is unfolded.



**8062**

Beechwood folding rule\* – section thickness 3.0 mm, section height 16 mm, 10 sections. Hidden, riveted spring joints made of sturdy plastic. Angle scale in joint of the first section. White lacquer, 2 m with duplex graduation. Package unit: 50 pcs.



2 m white

Article N°. 979 8062 00

Recessed joints provide a seamless straight edge when the rule is unfolded.



\* All wooden rules are EC class III.



# Wooden Rules

## 9142/9143

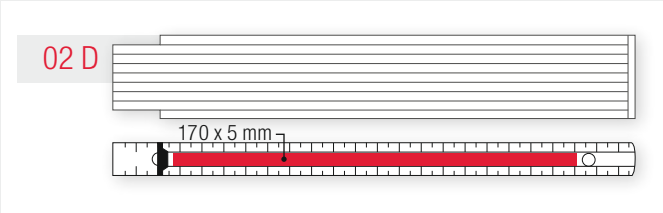
Beechwood\* folding rule for the highest standards. Section thickness 3.3 mm, section height 16 mm, 10 sections. Rivets are hidden for easy readability. Compact design with tight-fitting joint plates. Every 10 cm color changes from white to yellow. Length 2 m with duplex graduation. Package unit: 50 pcs.



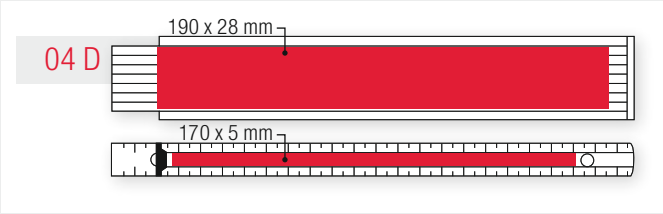
2 m white/yellow	3 m white/yellow	2 m white
Article N°. 984 9142 00 WG	984 9143 00 WG	984 9142 00 W

\* All wooden rules are EC class III.

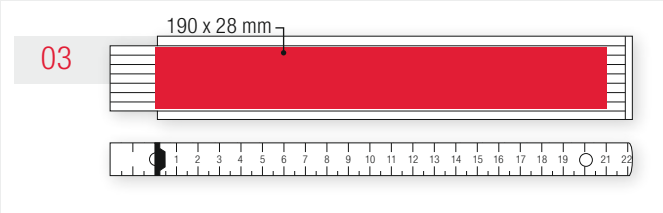
## Advertisement printing areas



Narrow side only



Both sides

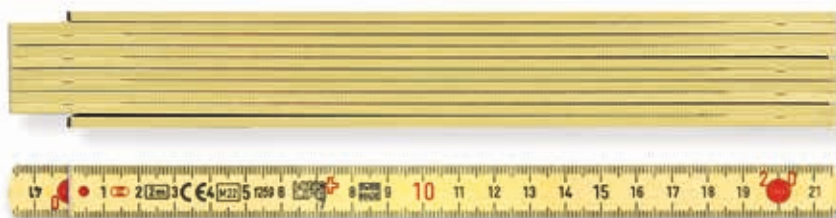


One side

# Plastic Folding Rules

## 9901/9902

Yellow plastic folding rule "LONGLIFE" made of fiberglass reinforced polyamide. Joints click into 90 degree position. Graduation decimal numbers are red (EC III). Graduation on the back runs backwards for easy readability in unfavorable working conditions. 1 m or 2 m lengths. Package unit: 10 pcs



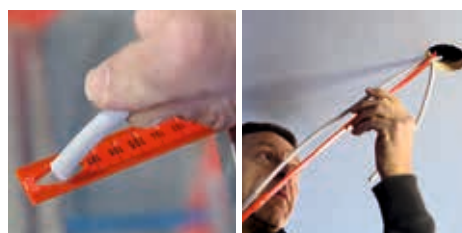
	2 m yellow	Section height 16 mm, 10 Sections	1 m yellow	Section height 13 mm, 10 Sections
Article N°.	936 9902 00		935 9901 00	

## 936 9902-EL

Plastic folding rule for electricians. The versatile fiberglass reinforced polyamide folding rule is extremely wear-resistant; waterproof, weather and chemical resistant with precisely embossed mm graduations. Accuracy class III with integrated pull through aid and markings for socket spacing. Tested for live working up to 1000 V. 2 m length, minimum order quantity = 10 pcs. in blister package.

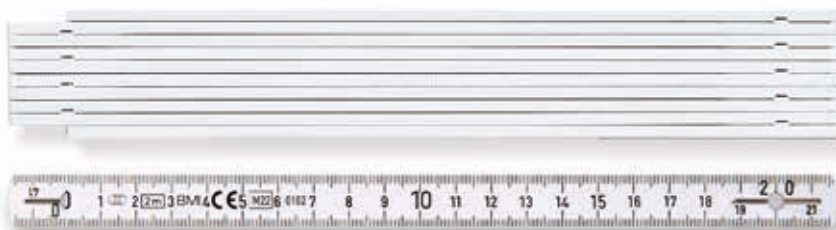


	2 m orange	Section height 16 mm, 10 Sections
Article N°.	936 9902-EL	



## 1041/1042

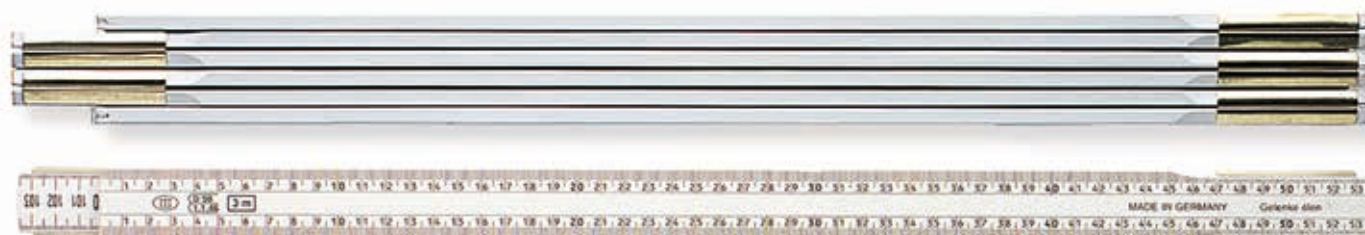
White plastic folding rule (EC III) with black graduations, riveted metal spring joints (1 m/2 m length). Package unit: 10 pcs.



	2 m white	Section height 16 mm, 10 Sections	1 m white	Section height 13 mm, 10 Sections
Article N°.	943 1042 00		941 1041 00	

# Wooden Folding Rules – Extended Lengths 3, 4 and 5 m

**9003**



Wooden folding rule in **3 m length**, section thickness 6.5 mm, section height 30 mm, section lengths 50 cm. Very sturdy design, concealed rivets, front and back side with mm graduations, running in opposite directions.

**3 m white**

section height 30 mm,  
no. of sections 6

**Article N°.** 973 9003 00

**9004**



Wooden folding rule in **4 m length**, section thickness 6.5 mm, section height 30 mm, section lengths 50 cm. Very sturdy design, concealed rivets, front and back side with mm graduations, running in opposite directions.

**4 m white**

section height 30 mm,  
no. of sections 8

**Article N°.** 973 9004 00

**9005**



Wooden folding rule as above in **5 m length**. Extra sturdy design, concealed rivets, front and back side with mm graduations, running in opposite directions.

**5 m white**

section height 30 mm,  
no. of sections 10

**Article N°.** 973 9005 00

# Metal Rules

## 961 silver color with black graduation

Cold-hammered special aluminum alloy, 1.4 mm thick, section height 14 mm. Silver with black graduation embedded in anodized coating. The graduation will not rub off and is resistant to chemicals, grease and oil. Precision latching stainless steel springs. EC accuracy class II. Package unit: 12 pcs



	2 m mm-graduation	2 m mm/Inch-graduation	1 m mm-graduation	1 m mm/Inch-graduation
Article N°.	961 2000 44W	961 2000 45W	961 1000 44W	961 1000 45W

## 961 black with silver graduation

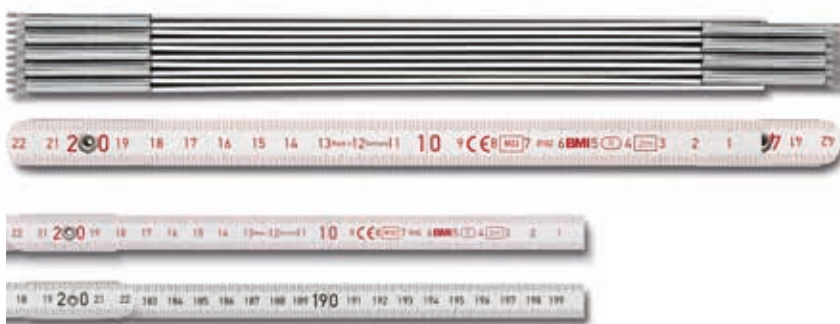
Cold-hammered special aluminum alloy, 1.4 mm thick, section height 14 mm. Black with silver graduation embedded in anodized coating. The graduation will not rub off and is resistant to chemicals, grease and oil. Precision latching stainless steel springs. EC accuracy class II. Package unit: 12 pcs.



	2 m mm-graduation	2 m mm/Inch-graduation	1 m mm-graduation	1 m mm/Inch-graduation
Article N°.	961 2000 44S	961 2000 45S	961 1000 44S	961 1000 45S

## 961 Left-hand aluminum folding rule, silver

Like the silver rule above except that one side is graduated from right to left (red graduation). For left-handed users.



	2 m mm-graduation
Article N°.	961 2000 94W

## 962/963

Flexible steel measuring rules made of stainless high-carbon spring steel. For available graduations see table below. Ultra-modern manufacturing process achieves a brighter, satin chrome finish that enhances the contrast between the graduation lines and the surface of the rule. Corrosion resistant from

chemicals, grease and oil. Rounded edges. EC class II for metric graduation. For 50 % increase in price the graduation

can be printed on the back. Upon request the 0 position can be centered.



962/963

Article N°.	Length in mm		Inch	Cross section in mm*	Graduation top edge	Graduation bottom edge
962 0100 30	100		4	13 x 0,5	1/2 mm	1/1 mm
962 0100 40	100		4	13 x 0,5	1/1 mm	1/1 mm
962 0100 50	100		4	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 0150 30	150		6	13 x 0,5	1/2 mm	1/1 mm
962 0150 40	150		6	13 x 0,5	1/1 mm	1/1 mm
962 0150 50	150		6	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 0200 30	200		8	13 x 0,5	1/2 mm	1/1 mm
962 0200 40	200		8	13 x 0,5	1/1 mm	1/1 mm
962 0200 50	200		8	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 0250 30	250		10	13 x 0,5	1/2 mm	1/1 mm
962 0250 40	250		10	13 x 0,5	1/1 mm	1/1 mm
962 0250 50	250		10	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 0300 30	300		12	13 x 0,5	1/2 mm	1/1 mm
962 0300 40	300		12	13 x 0,5	1/1 mm	1/1 mm
962 0300 50	300		12	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
963 0150 60	150		6	18 x 0,5	1/2, 1/1 mm	1/16, 1/32, 1/64"
963 0400 30	400		16	18 x 0,5	1/2 mm	1/1 mm
963 0500 30	500		20	18 x 0,5	1/2 mm	1/1 mm
963 0500 40	500		20	18 x 0,5	1/1 mm	1/1 mm
963 0500 50	500		20	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
963 1000 30	1000		39	18 x 0,5	1/2 mm	1/1 mm
963 1000 40	1000		39	18 x 0,5	1/1 mm	1/1 mm
963 1000 50	1000		39	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
963 1500 30	1500		59	18 x 0,5	1/2 mm	1/1 mm
963 1500 40	1500		59	18 x 0,5	1/1 mm	1/1 mm
963 1500 50	1500		59	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
963 2000 30	2000		78	18 x 0,5	1/2 mm	1/1 mm
963 2000 40	2000		78	18 x 0,5	1/1 mm	1/1 mm
963 2000 50	2000		78	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
963 3000 30	3000		118	18 x 0,5	1/2 mm	1/1 mm
963 3000 40	3000		118	18 x 0,5	1/1 mm	1/1 mm
963 3000 50	3000		118	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm

\* Tolerance of width  $\pm 0,5$  mm

Refer to our General Terms of Payment and Delivery



## Special division



Article N°.	Length in mm	Inch	Cross section in mm*	Graduation top edge	Graduation bottom edge
<b>962 0300 80***</b>	300	12	13 x 0,5	1/2 mm	1/1 mm
<b>962 0300S0-0-position centred</b>	300	12	13 x 0,5	1/1 mm	1/1 mm

\*\*\* Zero position on the right side

500 mm

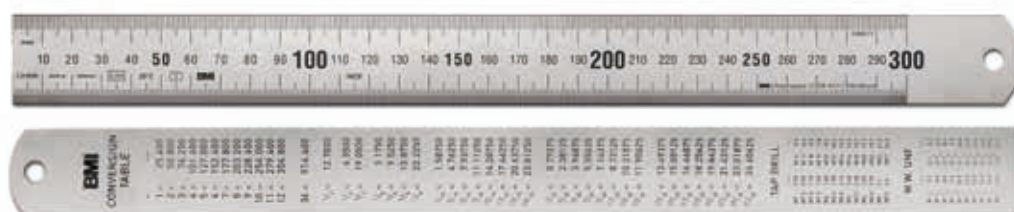


Article N°.	Length in mm	Inch	Cross section in mm*	Graduation top edge	Graduation bottom edge
<b>963 0500 80***</b>	500	20	18 x 0,5	1/2 mm	1/1 mm
<b>963 1000S0-0-position centred</b>	1000	20	18 x 0,5	1/1 mm	1/1 mm

\*\*\* Zero position on the right side

## 963 EG I

Precision steel measuring rule EG I, front graduation: top edge 1/1 mm, bottom edge 1/2 mm, back: conversion table inch/metric, tap drill dimensions

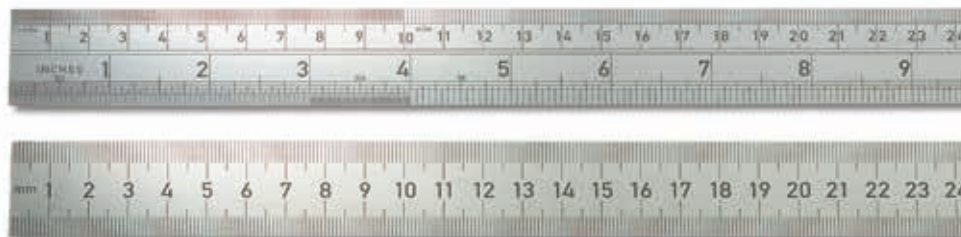


Article N°.	Length in mm	Inch	Cross section in mm	Graduation top edge	Graduation bottom edge
<b>963 0150 20-EG I</b>	150	—	18 x 0,5	1/1 mm	1/2 mm
<b>966 0300 20-EG I</b>	300	—	30 x 1,0	1/1 mm	1/2 mm
<b>966 0600 20-EG I</b>	600	—	30 x 1,0	1/1 mm	1/2 mm
<b>966 1000 20-EG I</b>	1000	—	30 x 1,0	1/1 mm	1/2 mm



## 966

Flexible steel measuring rules made of stainless high-carbon spring steel. For available graduations see table below. Ultra-modern manufacturing process achieves a brighter, satin chrome finish that enhances the contrast between the graduation lines and the surface of the rule. Corrosion resistant from chemicals, grease and oil.



Rounded edges. EC class II for metric graduation. For 50 %

increase in price the graduation can be printed on the back. Upon

request the 0 position can be centered.

Article N°.	Length in mm		Inch	Cross section in mm**	Graduation top edge	Graduation bottom edge
966 0300 60	300		12	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966 0300 90***	300		12	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966 0500 60	500		20	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966 0600 60	600		24	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966 1000 60	1000		39	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966 0300 40	300		12	30 x 1,0	1/1 mm	1/1 mm
966 0500 40	500		20	30 x 1,0	1/1 mm	1/1 mm
966 0500 90***	500		20	30 x 1,0	1/1 mm	1/1 mm
966 0600 40	600		24	30 x 1,0	1/1 mm	1/1 mm
966 1000 40	1000		39	30 x 1,0	1/1 mm	1/1 mm
966 1000 30	1000		39	30 x 1,0	1/2 mm	1/1 mm
966 1000 90***	1000		39	30 x 1,0	1/1 mm	1/1 mm
966 1500 30	1500		59	30 x 1,0	1/2 mm	1/1 mm
966 2000 30	2000		78	30 x 1,0	1/2 mm	1/1 mm
966 3000 30	3000*		118	30 x 1,0	1/2 mm	1/1 mm

\*\* Width tolerance  $\pm 0,5$  mm, \*\*\* Zero position on the right side

**357**

Flexible spring steel rule with graduation on a protective polyamide cover. Superb readability and wear resistant.



Article N°.	Length in mm		Inch	Cross section in mm**	Graduation top edge	Graduation bottom edge
<b>357 7015</b>	150		6	13 x 0,3	1/1 mm	1/1 mm
<b>357 7030</b>	300		12	13 x 0,3	1/1 mm	1/1 mm
<b>357 7050</b>	500		20	13 x 0,3	1/1 mm	1/1 mm

**427 BMI rolling rule**

Stainless steel, white lacquered tape measure – unbreakable and durable. Band rolls out on its own, very rigid, compact – 50 mm diameter, light and handy. Convex shape allows tape to be used as a straight line or to make precise measurements.

Article N°.	Length in mm		Width
<b>42705041.30</b>	500		19
<b>42710041.30</b>	1000		19

# Precision Measuring Equipment

## 760/761 Vernier Calipers

Calipers with smooth-action thumb roller, frame lock for taking repetitive measurements. Made of stainless steel with satin chrome finish graduation, 4-way measuring, thread table, artificial leather case.



Article N°.	measuring range mm	reading mm	reading Inch	jaw length mm	remark
<b>760 150</b>	150	0,05	1/128	40	
<b>760 200</b>	200	0,05	1/128	40	
<b>760 300</b>	300	0,05	1/128	60	
<b>761 150</b>	150	0,05	1/128	40	with moment clamping

## 770 Digital Caliper

Calipers with LCD display (11 mm), data output, display in mm and inch, stainless steel with satin chrome finish graduation, 4-way measuring, frame lock for taking repetitive measurements, thread table, replacement battery, plastic case.



Article N°.	measuring range mm	reading mm	reading Inch	jaw length mm
<b>770 150</b>	150	0,01	0,0005	40
<b>770 200</b>	200	0,01	0,0005	50

## 763 Depth Gauge

Measure depth with the straight edge or clamp, made of stainless steel with satin chrome finish graduation, has locking screw and artificial leather case.



Article N°.	measuring range mm	reading mm	bridging length mm
<b>763 150</b>	150	0,05	100

### 765 External Micrometer

Satin chrome finish, spindle  
 $\varnothing$  6.5 mm, measuring surface  
 made of hardened metal alloy,  
 insulating hand protection, locking  
 lever, ratchet and plastic case.



Article N°.	measuring range mm	reading mm	spindle $\varnothing$ mm
<b>765 000 025</b>	0-25	0,01	6,5
<b>765 025 050</b>	25-50	0,01	6,5

### 766 Variance Indicator

Adjustable tolerance marks, 1/100 –  
 reading, spring-loaded plunger diameter 8 mm h 6

Article N°.	measuring range mm	reading mm	scale	dial $\varnothing$ mm
<b>766 010</b>	10	0,01	0-100	58



### 768 Protractor

Protractor with locking screw,  
 stainless steel with satin chrome  
 finish graduation, in a case.



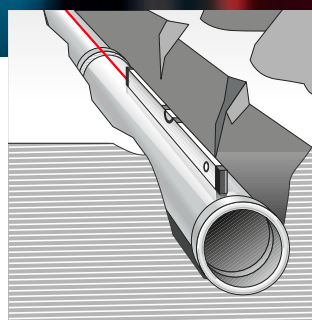
Article N°.	$\varnothing$ scale mm	leg length mm
<b>768 120 150</b>	120	150
<b>768 200 300</b>	200	300

## Interesting facts about BMI lasers



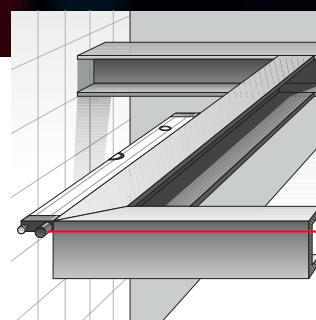
**This is how BMI LASER technology facilitates your work:**

BMI lasers are useful for a variety of applications. Some basic applications are exemplified here:



**The laser beam replaces the string level when:**

- Projecting slopes and gradients
- Setting alignments
- Checking the evenness of walls and other surfaces



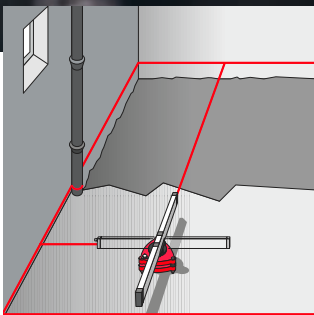
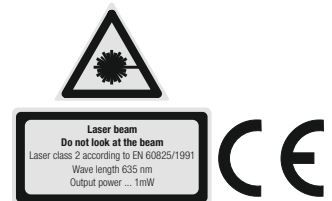
**Determine right angles without the use of other devices or tools when:**

- Installing interior walls
- Installing floors, tile and pavers
- Checking general building angles

In 1993, BMI became a trade and industry pioneer in the laser level industry. Since then, our laser program is continually being revised to provide the latest and most useful industry specific equipment. From laser spirit levels with practical accessories to self-leveling construction levels, BMI's product range offers something for every application.

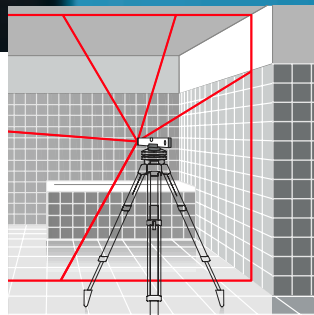
## ADVANTAGES

- BMI Laser technology is developed with the end user in mind. Whether you are a "do-it-yourselfer" or a construction professional, our laser devices are tough and suited for various applications.
- BMI laser technology offers one-source solutions.
- BMI laser technology complies with international safety standards; all devices conform to the laser Class 2 requirements; power output < 1 mW.



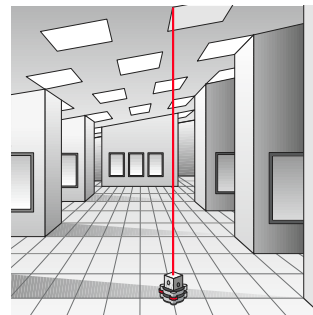
### Simplify time-consuming horizontal measurements when:

- Installing ceilings
- Marking the height of electrical outlets and switches
- Marking horizontal tile lines



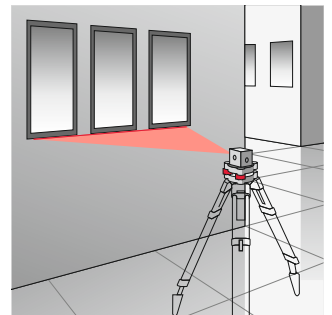
### Simplify time-consuming vertical measurements when:

- Installing interior walls
- Designing display windows
- Marking vertical tile lines



### Replace the traditional plumb line to determine vertical references from the floor to the ceiling when

- Installing light fixtures
- Mounting track lighting
- Installing ceiling tile rails



### The line laser replaces the snap line when

- Mounting advertising billboards
- Ensuring the correct horizontal alignment of tiles
- Hanging posters, pictures and paintings in a row



# LASERBOY II

Length 165 mm

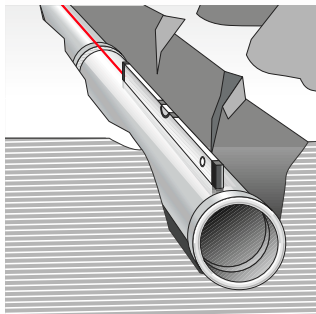
**Article N°.** 649 015

Handy laser that can turn any spirit level or straight edge with a width of 18 – 24 mm into a laser level. 2 brass thumb screws ensure a secure connection. The device has a vial with a mounting accuracy of 0.5 mm/m. The Laserboy II can also be used on its own. The parallel tolerance of the beam in relation to the measuring plane is 0.2 mm/m. 3/8" thread for tripod attachment. As an optional accessory, a beam deflecting prism adapter allows the laser to display a 90° angle beam. Packaged in either a cardboard box or blister pack.

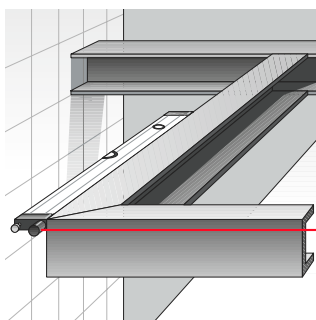
## Technical Data:

- Class 2, output < 1 mW
- Wavelength 670 nm
- Range approx. 30 m
- 2 x 1,5 V batteries (LR03 Micro)
- Reverse polarity protected
- Laser beam lasts 8 hours
- Dust and moisture resistant
- Dimensions L/W/H approx. 165 x 55 x 45 mm

Batteries included.



Example of use without accessories



2 brass thumb screws for a quick and secure mount

## Accessories:

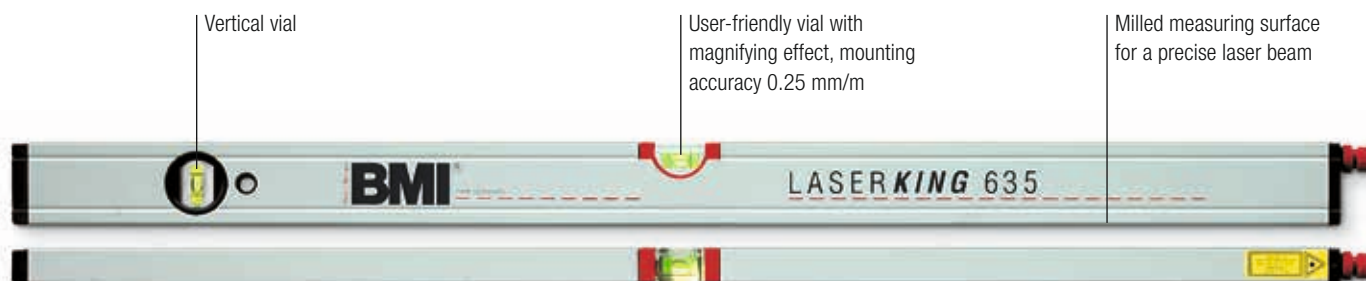
Beam deflecting prism and adapter. For displaying right angle line.

**Article N°.** 708 19 52



Length 80 cm

Article N°. 650 080 635



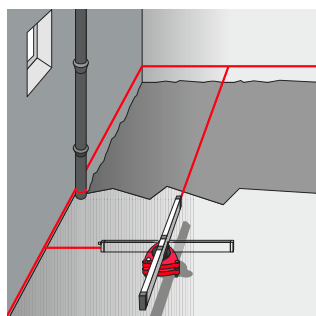
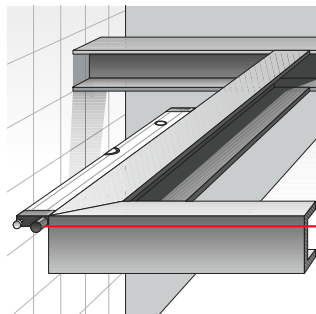
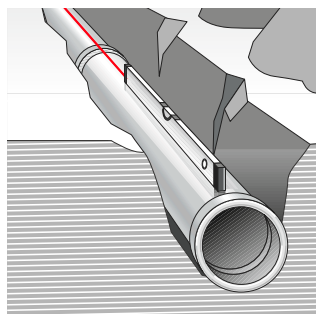
## Laserking 635:

Durable aluminum profile with grey anodized coating and a milled measuring surface. The LASERKING is an excellent choice for the most demanding job site. Internal magnets ensure a secure connection to the leveling platform (optional accessory). The parallel tolerance of the beam in relation to the measuring plane is 0.1 mm/m. The horizontal vial has a mounting accuracy of 0.25 mm/m. As an optional accessory, a beam deflecting prism adapter allows the laser to display a 90° angle beam. Packaged in a sturdy, translucent two-part threaded plastic tube.

## Technical Data:

- Class 2, output < 1 mW
- Wave length 635 nm
- Range: approx. 50 m
- 2 x 1.5 V batteries (LR=§ Micro)
- Reverse polarity protected
- Laser beam lasts 8 hours
- Dust and moisture resistant
- Length: 80 cm

Batteries included.



Example of use without accessories

## Accessory:

Beam deflecting prism and adapter. For displaying right angle line.

Article N°. 708 19 52



## Accessory:

Compact leveling platform.

For basic application: marking horizontal lines

Article N°. 711 329



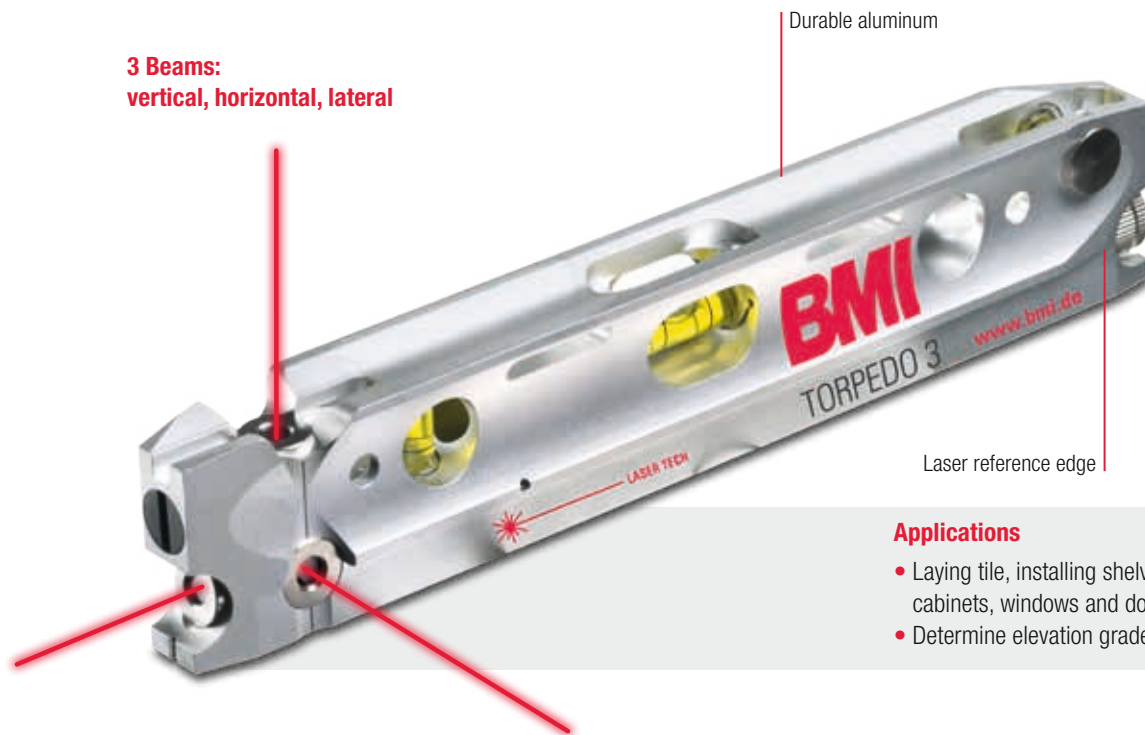
## 3 Beam Laser

# TORPEDO 3

- Time-saving precision laser tool
- Durable aluminum
- Strong internal magnets in the measuring surface.
- Easy to use.

- Blister pack, includes compact leveling platform (not illustrated)
- Batteries included..

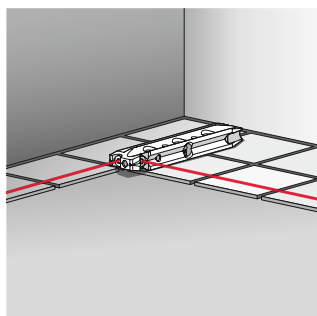
Article N°. 650 024 635 M-SET



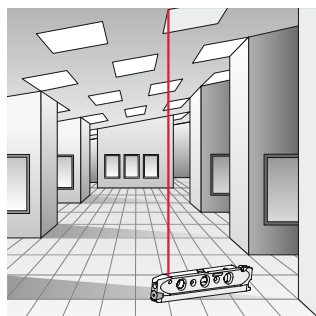
### Applications

- Laying tile, installing shelves, cabinets, windows and door frames.
- Determine elevation grade.

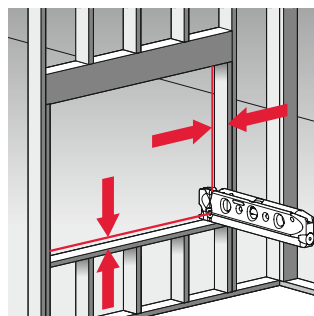
### And it can help you do all the following ...



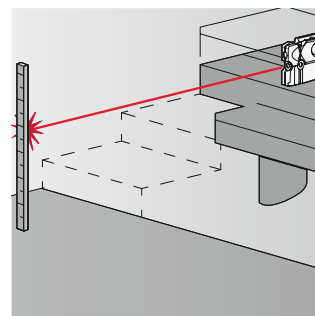
Aligning tiles



Plumb beam



90° angles



Elevation grade

### Technical Data TORPEDO 3

Type of Laser	red diode laser, wavelength 635 nm
Output	Laser class 2
Manual leveling	3 precision vials
Levelling-platform	
Accuracy	± 6 mm/20 m
Range	up to 30 m
Power Supply	3 x 1.5 V batteries size AAA LR03A
Tripod thread connection	1/4"

Operating temperature	-10° C to 50° C
Casing	Dust, dirt and water resistant
Dimensions	240 x 25 x 45 mm
Weight	415 g

# Cross Line Laser Pulsed and Self-leveling

# autoCROSS 4<sup>G</sup>/autoCROSS 4<sup>R</sup>

- Self-leveling cross line laser.
- Horizontal and vertical beams can be independently displayed.
- Multifunctional adapter base with magnet and tripod thread connection 1/4" and 5/8".
- Pulsed laser diode can also be used with a receiver.
- Includes: multifunctional adapter base, batteries and carrying case.

High-quality green laser diode is significantly easier to see



Basic device autoCROSS 4 G



Receiver (optional)  
Article N°. 654904GZ

Basic device 4 G: **Article N°. 654-AC4G**  
 Basic device with receiver 4 G:  
**Article N°. 654-AC4G-Set**  
 Receiver 4 G: **Article N°. 654904GZ**



Basic device autoCROSS 4 R



Receiver (optional)  
Article N°. 654904RZ

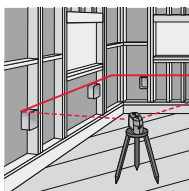
Basic device 4 R:  
**Article N°. 654-AC4R**  
 Basic device with receiver 4 R:  
**Article N°. 654-AC4R-Set**  
 Receiver 4 R:  
**Article N°. 654904RZ**



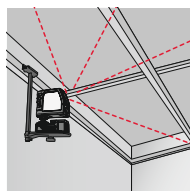
Multifunctional adapter

**More optional accessories on page 90**

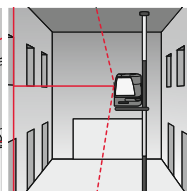
## And it can help you do all the following ...



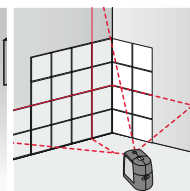
Reference lines for floors, electrical ...



... and drop ceilings



Vertical line (carpentry)



Cross line to align tiles etc.

- Green laser diode – significantly easier to see (autoCROSS 4G) / Red laser diode – easy to see (autoCROSS 4R).
- Self-leveling – eliminates set up time and guarantees accuracy by using a magnetic pendulum.
- Automatic out-of-level detection – laser lines flash.
- Diagonal lines – locked line angle - can project diagonal lines.
- Multifunctional adapter – strong magnets and tripod thread connection for tripod use.

### Technical data autoCROSS 4 G/R

<b>Type of laser</b>	green diode laser, wavelength 520 nm red diode laser, wavelength 635 nm
<b>Output</b>	Laser class 2
<b>Leveling</b>	fully automatic pendulum
<b>Self-leveling range</b>	± 3°
<b>Accuracy</b>	± 3 mm/10 m
<b>Range with receiver</b>	up to 30 m (with receiver)
<b>Power supply</b>	4 x 1.5 V batteries Type AA LR6
<b>Beam angle</b>	140° vertical, 120° horizontal
<b>Out-of-level display</b>	flashing laser beams
<b>Tripod connection size</b>	1/4"

<b>Operating temperature</b>	-10° C to 50° C
<b>Storage temperature</b>	-20° C to 70° C
<b>Dimensions</b>	120 x 95 x 62 mm

### Technical data adapter

<b>Tripod connection size</b>	1/4" and 5/8"
<b>Fastening</b>	magnet and tripod thread
<b>Dimensions</b>	115 x 65 x 40 mm



Illustration similar

Basic device includes:  
 autoCROSS 4 G or autoCROSS 4 R,  
 multifunctional adapter, laser target plate,  
 batteries and carrying case.

# Pulsed, self-leveling cross line and plumb laser autoCROSSplus

- Plumb beam up and down.
- Self-leveling cross line and plumb laser.
- Multifunctional adapter with magnet and tripod thread connection 1/4" and 5/8".

- Includes carrying case.
- Batteries included.

Basic device with carrying bag:

**Article N°.** 654 KLPPplus

Complete set (incl. receiver):

**Article N°.**

654 KLPPplusSET

Receiver:

**Article N°.**

654904RZ



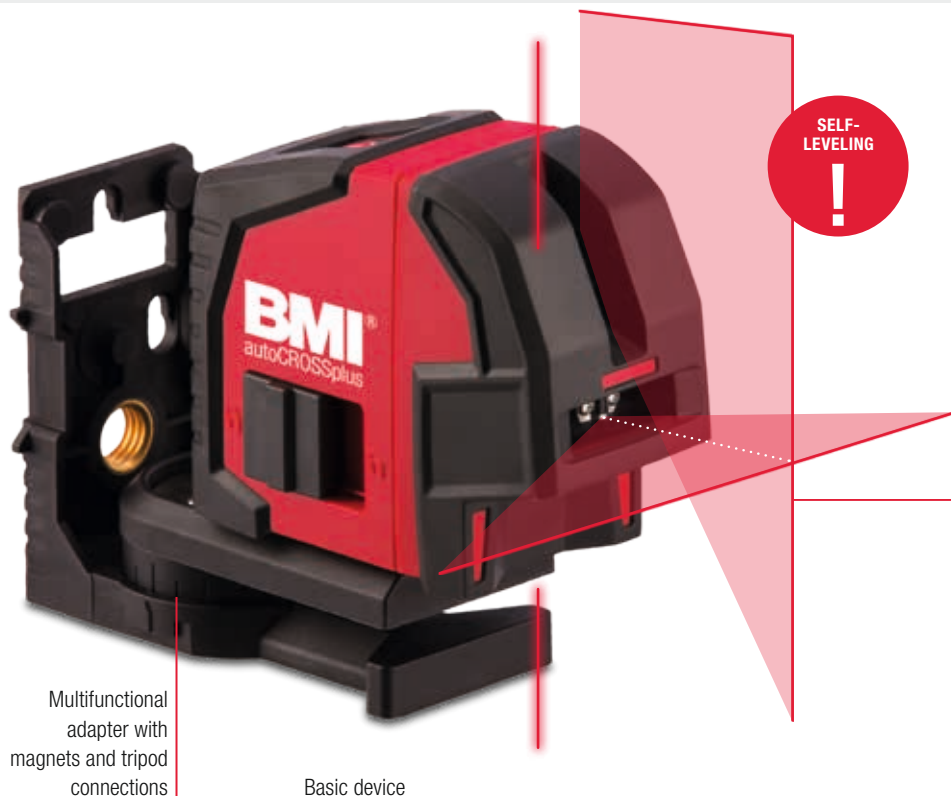
Multifunctional adapter

**More optional accessories on page 90**

A receiver (optional) can be used with the pulsed laser line. Range up to 30 m – also for outdoor use.



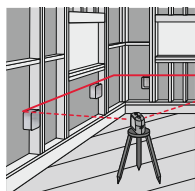
Receiver (optional)  
**Article N°.**  
654904RZ



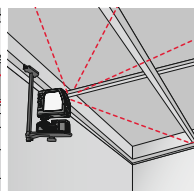
Multifunctional adapter with magnets and tripod connections

Basic device

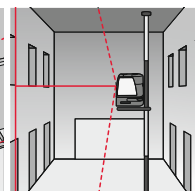
## And it can help you do all the following ...



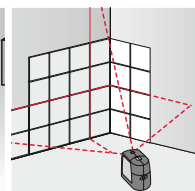
Reference lines for floors, electrical ...



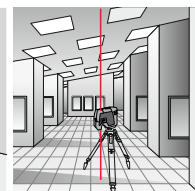
... and drop ceilings



Vertical line (carpentry)



Cross line to align tiles etc.



Plumb line up and down

- Self-leveling mechanism – eliminates set up time and guarantees accuracy by using a magnetic pendulum.
- Automatic out-of-level detection – laser lines flash.
- Locked line angle – can project diagonal lines.

### Technical Data autoCROSSplus

Type of laser	red diode laser, wavelength 635 nm
Output	laser class 2
Leveling	fully automatic pendulum
Self-leveling range	± 4°
Accuracy	± 3 mm/10 m
Range with receiver	up to 30 m (with receiver)
Power supply	3 x 1.5 V batteries Type AA LR6
Tripod connection size	1/4"
Dimensions	115 x 100 x 65 mm
Weight of set	1.6 kg

### Technical Data Adapter

Tripod connection size	1/4", 5/8"
Fastening	magnets, straps, tripod
Dimensions	125 x 55 x 105 mm

Illustration similar



Basic device includes:  
autoCROSSplus, multifunctional magnetic adapter with 1/4" and 5/8" tripod thread connection, laser target card, batteries, carrying case.



Cross line and 5-beam laser, all in one!

# autoMAGIC

- Self-leveling beam and cross line laser.
- Plumb beam, up and down.
- All 5 laser beams can be displayed at the same time.

- Multifunctional adapter with magnets and tripod thread connection 1/4" and 5/8".
- Comes as a set in a carrying case.
- Batteries included.

Basic device:

**Article N°.** 654 KLP 5SP

Complete set (incl. receiver):

**Article N°.**

654 KLP 5SP – Set

Receiver:

**Article N°.**

654901Z

**BMI**

Basic device

SELF-LEVELING



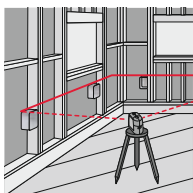
Basic device includes:  
auto MAGIC, magnetic  
wall-mounting bracket with  
1/4" and 5/8" tripod thread  
connection, laser target card,  
batteries and carrying case.

Receiver  
(optional)  
**Article N°.**  
654901Z

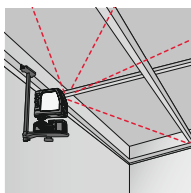
Multifunctional  
adapter with  
magnets and tripod  
connections

**More optional  
accessories on page 90**

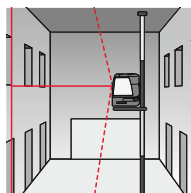
**And it can help you do all the following ...**



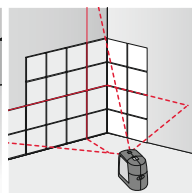
**Reference lines for  
floors, electrical ...**



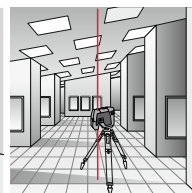
**... and drop  
ceilings**



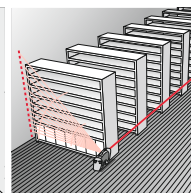
**Vertical line  
(carpentry)**



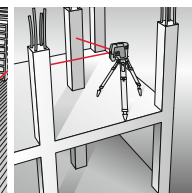
**Cross line to align  
tiles etc.**



**Plumb line up  
and down**



**90° angle**



**Beam dot display**

- Self-leveling mechanism – eliminates set up time and guarantees accuracy by using a magnetic pendulum.
- Automatic out-of-level detection – laser lines flash.
- Locked line angle – can project diagonal lines.

## Technical Data autoMAGIC

<b>Type of laser</b>	red diode laser, wavelength 630 – 670 nm
<b>Output</b>	laser class 2
<b>Leveling</b>	fully automatic pendulum
<b>Self-leveling range</b>	± 3°
<b>Accuracy</b>	± 3 mm/10 m
<b>Range</b>	up to 30 m (with receiver)
<b>Power supply</b>	4 x 1,5 V batteries size Typ AA LR6
<b>Tripod connection size</b>	1/4" and 5/8"
<b>Dimensions</b>	115 x 110 x 75 mm

## Technical Data Adapter

<b>Tripod connection size</b>	1/4", 5/8"
<b>Fastening</b>	magnets, straps, tripod
<b>Dimensions</b>	140 x 80 x 80 mm

**Weight of the basic device** 2.62 kg



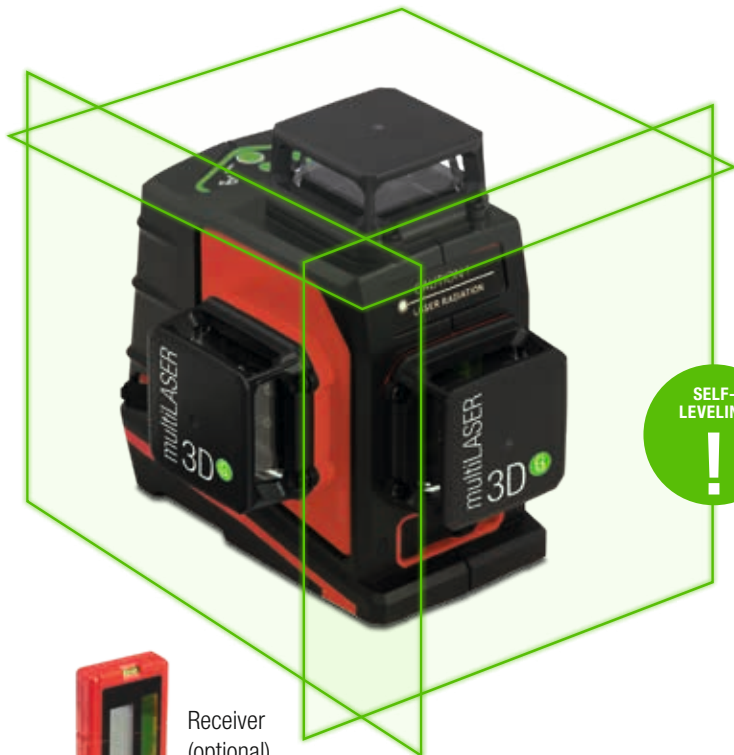
## 360° Self-leveling Line Laser

# multiLASER 3D<sup>G</sup>/multiLASER 3D<sup>R</sup>

- Self-leveling, time saving cross laser.
- Plumb line up and down.
- 6 cross lines can be independently displayed in all directions.

- 3 visible, continuous laser lines (1 horizontal, 2 vertical).
- Accuracy  $\pm 2$  mm/10 m.
- Rechargeable battery included.

A receiver (optional) can be used with the pulsed laser line. Range up to 50 m – also for outdoor use.



Receiver (optional)  
**Article N°. 654904GZ**

Basic device 3D G: **Article N°. 654 3DG**

Basic device with receiver 3D G:  
**Article N°. 654 3DG Set**

Receiver G: **Article N°. 654904GZ**



Receiver (optional)  
**Article N°. 654904RZ**

Basic device 3D R:

**Article N°. 654 3DR**

Basic device with receiver 4 R:

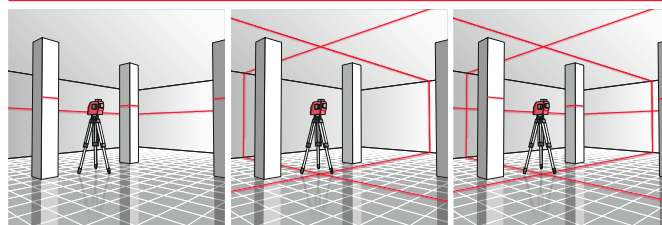
**Article N°. 654 3DR Set**

Receiver R:

**Article N°. 654904RZ**

**More optional accessories on page 90**

### And it can help you do all the following ...



**Reference lines for floors, electrical ...**

**Vertical lines**

**Vertical lines and plumb line**

- Self-leveling mechanism – eliminates set up time and guarantees accuracy by using a magnetic pendulum.
- Automatic out-of-level detection – laser lines flash.
- Diagonal lines – locked line angle – can project diagonal lines.
- Rechargeable while in use.
- Adjustable tripod connection (5/8") with precision adjustment allows easy and simple alignment of the vertical lines.

#### Technical data multiLASER 3D

**Type of laser** green diode laser, wavelength 520 nm  
red diode laser, wavelength 635 nm

**Output** Laser class 2

**Leveling** fully automatic pendulum

**Self-leveling range**  $\pm 3^\circ$

**Accuracy**  $\pm 2$  mm / 10 m

**Operating temperature**  $-10^\circ\text{C}$  to  $40^\circ\text{C}$

**Range** 15 m / 50 m with receiver

**Power supply** Lithium Ion battery

**Operating time** 5 hours (in continuous use)

**Protection class** IP 44 splash proof

**Tripod connection size** 1/4"

#### Dimensions

130 x 80 x 125 mm

#### Weight

1.0 kg

#### Technical data adapter

**Tripod thread size** 5/8"

**Fastening** magnet and tripod thread

**Dimensions** 100 x 95 x 47 mm

**Weight** 0.3 kg



Illustration similar

Basic device includes: multiLASER 3D G, leveling platform, multifunctional adapter, laser target plate, wall/bracket for drywall corner bead, battery, charger and carrying case

Basic device includes: multiLASER 3D R, battery charger, and carrying case

# Self-leveling Construction Laser

## uniLASER AH

- Self-leveling construction laser for horizontal applications

- Plug in power supply and Ni-MH batteries.
- Article N°.** 64808 AH-SET K2



### Electronic Safety Program

Device stops automatically when bumped or position changes



### Rechargeable Ni-MH battery



### Waterproof IP 64 compliant



Durable plastic body

Shock absorbing rubber base



### Photodiode hand receiver for working range up to 150 m

- Acoustic and optical signals.
- LCD display.

**Article N°.** 648 980 Z01

### The complete set in a durable plastic carrying case

- uniLaser AH rotating laser.
- Receiver with rod bracket.
- Battery charger with Ni-MH batteries.
- Additional batteries (4 x 1.5 V Type LR14).
- Target plate and wall bracket.
- Durable carrying case.
- Operating manual.



Technical Data Rotation Laser	
Type of laser	red diode laser, wave length 635 nm
Output	< 1 mW, Laser class 2
Self-leveling range	± 5°
Leveling accuracy	± 3 mm/30 m
Leveling time	typically < 20 sec.
Operating temperature	-20° C to 50° C
Range	300 m Ø with receiver
Speed	60, 120, 300 and 600 rotations/min.
Power supply	Battery charger with Ni-MH batteries
Operating time	20 hrs

Protection class	Dust and waterproof IP 64 compliant
Tripod thread connection	5/8"
Dimensions	ca. 200 x 160 x 190 mm
Weight	6.6 kg

Technical Data Receiver	
Range	150 m
Power supply	9 V-Block 6LR61
Operating time	depends on use

# Self-leveling Construction Laser

## uniLASER AHV

- Self-leveling construction laser for horizontal and vertical applications with plumb beams up and down.

- Plug in power supply and Ni-MH batteries.
- Article N°.** 64808 AHV-SET K2



### Electronic Safety Program

Device stops automatically when bumped or position changes



### Rechargeable Ni-MH battery



### Waterproof IP 64 compliant



Durable plastic body

Shock absorbing rubber base



### Photodiode hand receiver for working range up to 150 m

- Acoustic and optical signals.
- LCD display.

**Article N°.** 648 980 Z01

### The complete set in a durable plastic carrying case

- uniLASER AHV rotating laser.
- Receiver with rod bracket.
- Battery charger with Ni-MH batteries.
- Additional batteries (4 x 1.5 V Type LR14).
- Target plate and wall bracket.
- Durable carrying case.
- Operating manual.



#### Technical Data Rotationslaser

Type of laser	red diode laser, wave length 635 nm
Output	< 1 mW, Laser class 2
Self-leveling range	± 5°
Leveling accuracy	± 3 mm/30 m
Leveling time	typically < 20 sec.
Axis slope	motorized, x and y axis for an inclination up to 5° C
Operating temperature	-20° C to 50° C
Range	300 m Ø with receiver
Speed	60, 120, 300 and 600 rotations/min.
Power supply	Battery charger with Ni-MH batteries

Operating time	20 hrs
Protection class	Dust and waterproof IP 64 compliant
Tripod thread connection	5/8"
Dimensions	ca. 200 x 160 x 190 mm
Weight	6.6 kg

#### Technical Data Receiver

Range	150 m
Power supply	9 V-Block 6LR61
Operation time	depends on use

## Leveling device (automatic/optical)

# Builder's level

- Automatic self-leveling.
- Short focusing distance.
- Additional rough sight.

Instrument with case  
Instrument with case, tripod and grade rod  
Instrument with case  
Instrument with case, tripod and grade rod

**Article N°.** 646 2024  
**Article N°.** 646 2024 SET  
**Article N°.** 646 2032  
**Article N°.** 646 2032 SET

**BMI**



### Case

- Dimensions  
270 x 170 x 180 mm.



**Waterproof IP67  
compliant**

### Complete set including case:

- Upright scale.
- Horizontal circle 400 gon made of metal behind glass.
- Large, handy operating buttons.
- Quick fine focus.
- Overwind protection.
- Vial for rough adjustment.
- Dimensions 220 x 135 x 135 mm.
- Weight 1.9 kg.

#### Technical Data Telescope

<b>Magnification</b>	x 24	x 32
<b>Lens opening</b>	36 mm	42 mm
<b>Length</b>	200 mm	
<b>Shortest target distance</b>	0,9 m	
<b>cm-estimate</b>	150 m	
<b>Mid km-error</b>	± 2,5 mm	
<b>Compensator</b>	magnet	
<b>Dimensions</b>	220 x 135 x 135 mm	
<b>Weight</b>	1.9 kg	

#### Technical Data Horizontal circle

<b>Diameter</b>	110 mm
<b>Graduation</b>	0 – 400 gon
<b>Numbering</b>	1 gon



## Crank-Operated Tripods

- Especially recommended for the rotating lasers uniLASER AH and AHV.
- Sturdy light metal design for heavy duty lasers.
- Crank operation with air-cushioned telescoping legs (when the column is unlocked, the laser is lowered to a gentle stop).
- Removable rubber feet to cover the ground spikes when used indoors.
- High quality chain prevents legs from spreading.
- Bulls-eye level for quick set-up.
- Removable aluminum tripod plate.
- 5/8" thread connection.

**Minimum height of less than 1 m including laser level (Size M).**



Size M

Size L

Size XL

Size	M	L	XL
<b>Min. working height in m</b>	0.70	0.95	1.20
<b>Max. working height in m</b>	1.70	2.20	3.00
<b>Crank lift in m</b>	0.45	0.45	0.65
<b>Weight in kg</b>	5.60	6.30	6.50
<b>Article N°.</b>	711 400-M	711 400-L	711 400-XL

## Surveyor's Tripod

- Sturdy light metal design.
- Ground spikes.
- Connecting thread 5/8".
- Min. height 1.06 m, Max. height 1.80 m.
- Weight 4.40 kg.

**Article N°.** 711 317

**Further tripod options upon request**



## Photo Tripod

- Sturdy tripod for use with – autoCROSS Plus and autoMagic.
- 1/4" thread connection.
- Lightweight with handle and vial.
- Includes carrying bag.
- Height – min. 0.6 m, max. 1.68 m.
- Weight – 1.30 kg.
- Max. load capacity – 3 kg.

**Article N°.** 711 212-02



## Hand receiver for uniLASER AH and AHV with mounting bracket

- Horizontal and vertical magnets on the housing
- LCD display with deviation from reference height in mm
- Dimensions 105 x 95 x 108 mm
- Weight 0.68 kg

**Article N°.** 648 902 Z-01



### Laser enhancement glasses

- Increases the visibility of the laser beam in unfavorable lighting conditions.

**Article N°.** 711 330

### Telescopic Grade Rod

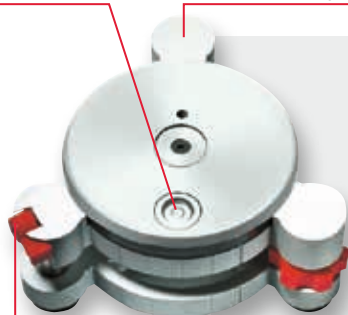
- Made of aluminum profile.
- Dimensions: 20 x 30 mm.
- Extends from 1300 mm to 2400 mm.
- Quickly measure distance to grade when used with a laser receiver.

**Article N°.** 705 213 00

Quick alignment  
with the easy to read  
bulls-eye level



Leveling platform with ball bearings



Locking mechanism

### Compact leveling platform

- Quickly set precise reference lines.
- Fits all BMI laser levels.
- Durable metal design.
- Quick adjustment with thumb screws.
- Connecting thread 1/4", 3/8" and 5/8".
- Can be used on the floor or with a tripod.

**Article N°.** 711 329

**Delivery includes an extra fitting for lasers without magnets and non-BMI products.**

**Especially recommended for use with our construction lasers.**

### Optional accessories for autoCROSS, multiLASER 3D and others...



Receivers

**Article N°.** 654904GZ / 654904RZ



Wall/bracket for  
drywall corner bead

**Article N°.** 654922Z



Receiver bracket for grade rod

**Article N°.** 654916Z



Battery charger

**Article N°.** 654923Z



Adjustable leveling platform  
with fine adjustment

**Article N°.** 654920Z



Example



Multifunctional bracket

**Article N°.** 654921Z





# Multiple Angle Builder's Square WINKELSTAR

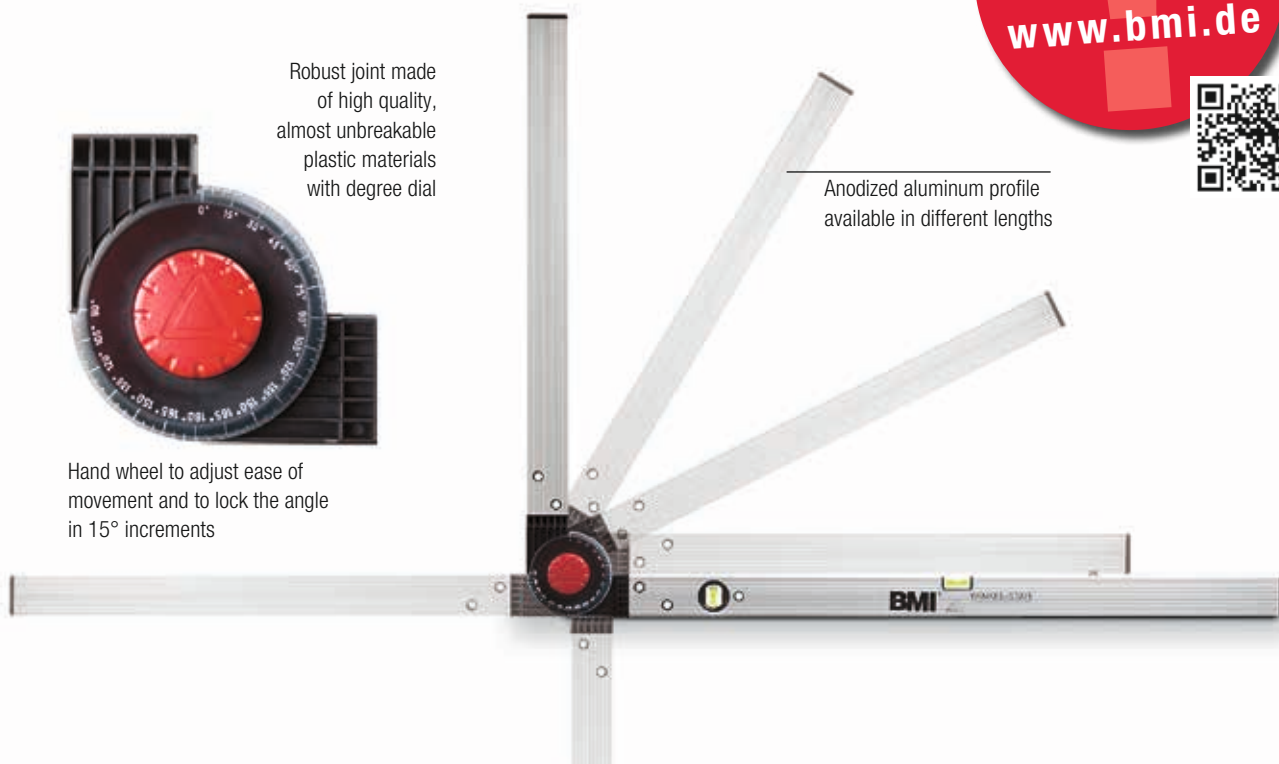


Robust joint made of high quality, almost unbreakable plastic materials with degree dial

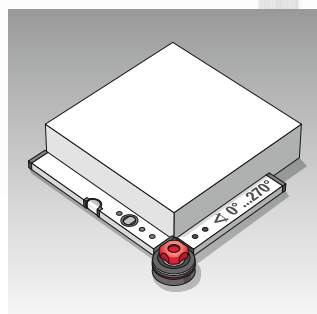
Anodized aluminum profile available in different lengths



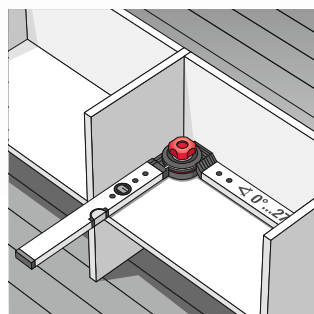
Hand wheel to adjust ease of movement and to lock the angle in 15° increments



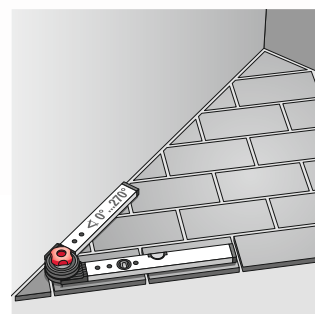
Robust, foldable angle level for transferring or measuring angles of 0° to 270°. The angles can be locked in 15° increments. With the built-in vials it can also be used as a spirit level. Light and easy to carry.



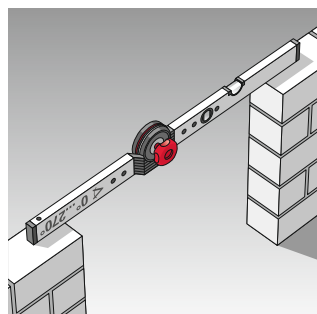
Outer 90° angle



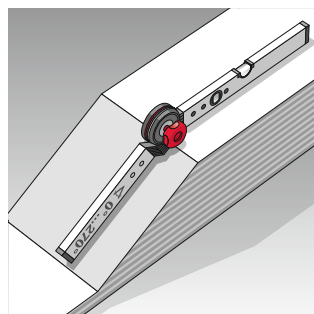
Inner 90° angle



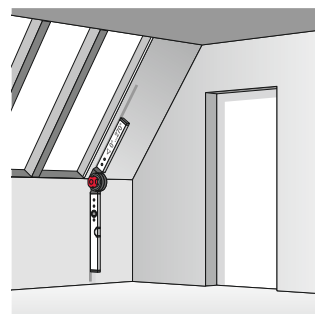
45° angle



Works as a level



Gradient/slope work



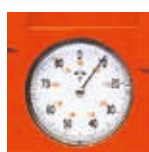
Works as a bevel

Article N°.	Short arm	Long arm
715 030 040	30 cm	40 cm
715 060 080	60 cm	80 cm
715 060 120	60 cm	120 cm
715 100 150	100 cm	150 cm
715 100 180	100 cm	180 cm



714 450 M

The Quadrانfix, with its solid design, makes it is easy to measure or transfer angles. The angle can be read on the dial or LCD display. Vials establish the horizontal and vertical lines. Can be used as a level or compass. Carrying case and batteries included.



The angle is displayed on the dial – two scales of 0 – 90° and 90 – 180°.



The angle can be read on the LCD display – measurement range 355°. LCD version comes without the steel tips. Display in 0.1° increments. Measurement accuracy  $\pm 0,2^\circ$ .



714 460 D

Article N°.	Length without tips	Type
<b>714 450 M</b>	450 mm	Dial
<b>714 600 M</b>	600 mm	Dial
<b>714 600 D</b>	600 mm	LCD (without steel tips)

# Squares

## 716 „8 in 1“

Carpenter and miter square  
Foldable – fits in every tool box,  
8 fixed angles:  
0°, 22.5°, 45°, 67.5°, 90°,  
112.5°, 135° and 157.5°  
Accuracy  $\pm 0.05^\circ = 1 \text{ mm/m}$ .  
Made of anodized aluminum  
with a stainless steel blade,  
graduations etched on both sides.



Article N°.	Blade length mm	Stock length mm
716 200 137	200	80
716 300 162	300	120
716 400 182	400	150

## 950 Carpenter's Square – Powder Coated

Carpenter's square for drawing right  
angles and precise extension of  
cutting lines. Yellow powder-coated  
design with or without marking holes,  
mm graduations.

without marking holes

Article N°.	Blade length mm
950 060 001	600
950 070 001	700
950 080 001	800
950 100 001	1000

with marking holes

Article N°.	Blade length mm
950 070 002	700
950 080 002	800
950 100 002	1000



# Rigid Builder's Squares

## Rigid builder's square

90° angle square, spirit level profile, yellow powder-coated, end caps.

Packing and shipping charges apply when less than 10 are ordered. (75.00 Euro)

Minimum order quantity = 5.

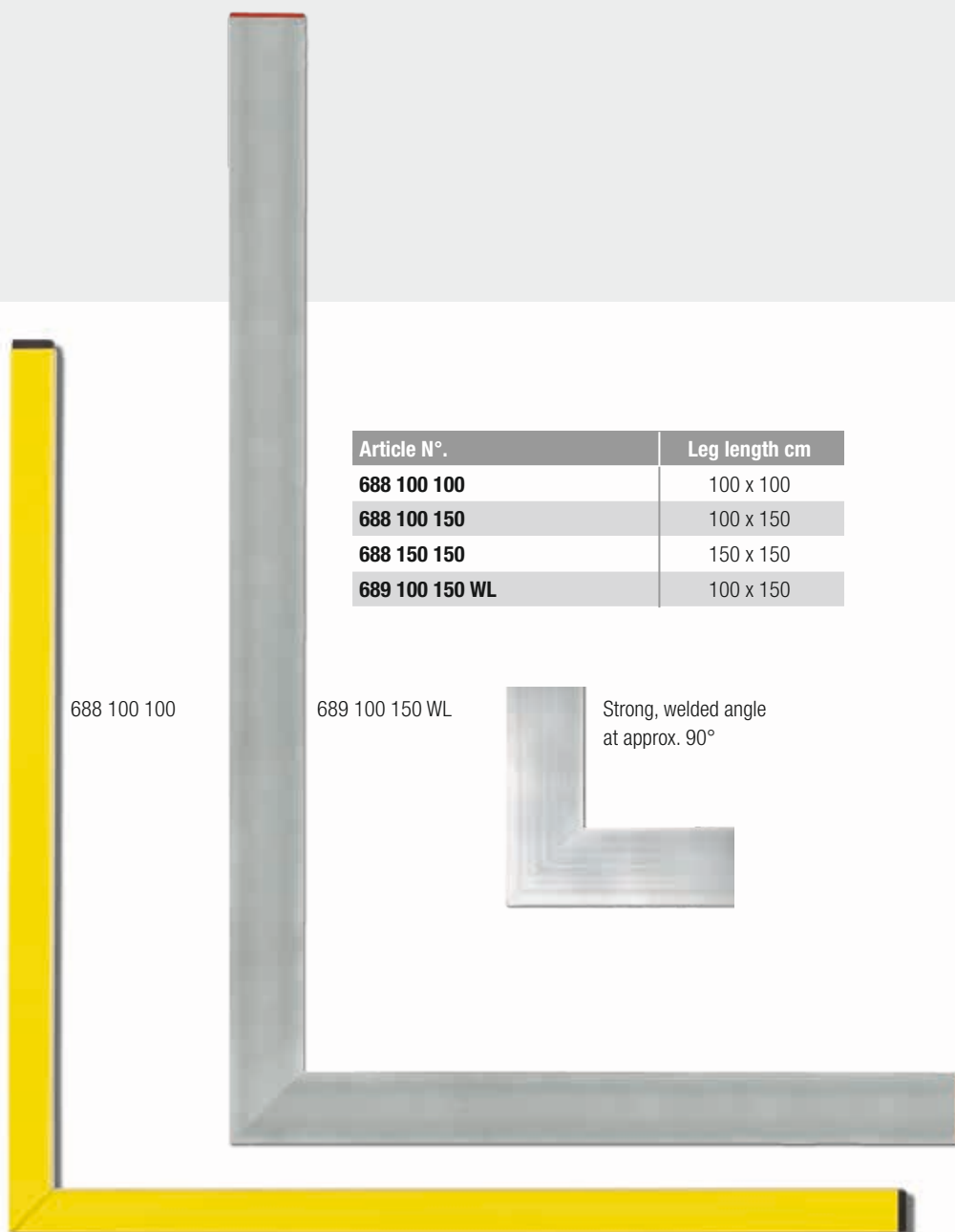
## GALA Builder's Square

Rigid builder's square with a quality BMI welded joint.

The solution provider for right angles on any job site.

Made of 100 x 18 mm aluminum profile and welded into a 90° angle form, with end caps. The rigid builder's square measures 100 x 150 cm.

Minimum order quantity = 10.



Article N°.	Leg length cm
<b>688 100 100</b>	100 x 100
<b>688 100 150</b>	100 x 150
<b>688 150 150</b>	150 x 150
<b>689 100 150 WL</b>	100 x 150

## 789 Protractor

Protractor made of impact resistant plastic. Individual blister card packaging.



Article N°.	Measurement in mm
<b>789 500</b>	100 x 100

# Telescopic Measuring Rods

## 5035

**Article N°.** 710 5035

Max. length 5000  
Min. length 1120  
Telescope sections 5  
Material Aluminum  
Cross section mm 34/24  
Weight in kg 1.2  
Front graduation mm  
Rear graduation —

### Carrying case

**Article N°.** 710 5004



## 5054

**Article N°.** 710 5054

Max. length 4000  
Min. length 1120  
Telescope sections 4  
Material Aluminum  
Cross section mm 34/24  
Weight in kg 1.0  
Front graduation cm-E  
Rear graduation mm

### Carrying case

**Article N°.** 710 5004



## 5062/5064/5065

**Article N°.** 710 5062

Max. length 3000  
Min. length 700  
Telescope sections 6  
Material Aluminum  
Cross section mm 37.5/27.5  
Weight in kg 1.3  
Front graduation mm  
Rear graduation —

### Carrying case

**Article N°.** 710 5006

**Article N°.** 710 5064

Max. length 4000  
Min. length 865  
Telescope sections 6  
Material Aluminum  
Cross section mm 37.5/27.5  
Weight in kg 1.5  
Front graduation mm  
Rear graduation —

### Carrying case

**Article N°.** 710 5005

**Article N°.** 710 5065

Max. length 5000  
Min. length 1070  
Telescope sections 6  
Material Aluminum  
Cross section mm 37.5/27.5  
Weight in kg 2.0  
Front graduation mm  
Rear graduation —

**Carrying case** incl.



**5045/48****Article N°.** 710 5045

Max. length 5000  
 Min. length 1030  
 Telescope sections 5  
 Material Aluminum  
 square  
 Cross section mm 38/36  
 Weight in kg 2.0  
 Front graduation mm  
 Rear graduation —

**Carrying case** incl.**Article N°.** 710 5048

Max. length 8000  
 Min. length 1530  
 Telescope sections 6  
 Material Aluminum  
 square  
 Cross section mm 38/36  
 Weight in kg 2.6  
 Front graduation mm  
 Rear graduation —

**Carrying case** incl.**5075 Digital****Article N°.** 710 5075

Max. length 5000  
 Min. length 1040  
 Telescope sections 5  
 Material Aluminum  
 Cross section mm 38/36  
 Weight in kg 2.1  
 Front graduation mm  
 Rear graduation —

**Carrying case** incl.  
Batteries included

Easy-to-use telescopic measuring rod with digital display and mm graduation.  
 Non-stop operating time 50 hrs.  
 Digital display with hold function and reference point setting.

Accuracy between 0° and 40° C:  
 $\pm 1.2 \text{ mm/5 m}$





# Measuring Wheels

Measuring wheels need to be easy to operate under demanding conditions, especially when measuring long distances. Our measuring wheels are designed with high quality materials with the user in mind. BMI has the best measuring device for a broad range of applications.

## ADVANTAGES

- Made of heavy duty materials for longer durability.
- Light-weight construction for easy handling.
- All measuring wheels can be folded or shortened for storage and transportation.
- Precise counters for accurate measurements.

### Rollfix Easy 2



#### Rollfix Easy 2

Made of high quality ABS plastic, it combines the advantages of light weight and a large wheel. Forward and backward measuring – just back up to correct the measurement. Button reset of the counter wheel. Easy to operate with the help of the kick stand and parking brake. The strong aluminum rod can be easily folded for storage and transportation. Storage bag included.

Measuring range:	9,999.90 m
Increments:	10 cm
Wheel diameter:	318.3 mm
Wheel circumference:	1 m
Total height:	1.050 mm
Total weight:	2.0 kg
Tolerance:	less than 1 %

#### Article N°.

700 1996

Rollfix Easy 2

### Rollfix Easy



#### Rollfix Easy

Made of high quality plastic, it combines the advantages of light weight and a large wheel. Forward and backward measuring – just back up to correct the measurement. Button reset of the counter wheel. Easy to operate with the help of the kick stand and parking brake. Telescopic handle for storage and transportation. Storage bag included.

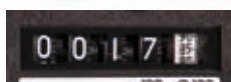
Measuring range:	9,999.90 m
Increments:	1 cm
Wheel diameter:	318.3 mm
Wheel circumference:	1 m
Total height:	990 mm
Total weight:	2.2 kg
Tolerance:	1 %

#### Article N°.

700 1994

Rollfix Easy

### Rollfix Standard



#### Rollfix Standard

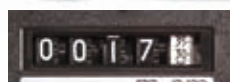
Heavy-duty, strong metal wheel with rubber edge. Forward and backward measuring – just back up to correct the measurement. Button reset of the counter wheel. Easy to operate with the help of the kick stand and parking brake. Telescopic handle for storage and transportation.

Measuring range: 9,999.90 m  
 Increments: 1 cm  
 Wheel diameter: 318.3 mm  
 Wheel circumference: 1 m  
 Total height: 1090 mm  
 Total weight: 3.9 kg  
**Tolerance: less than 0.05 %**  
 Carrying case can be purchased separately.

#### Article N°.

700 1995 Rollfix Standard

### Rollfix Super



#### Rollfix Super

Heavy-duty, strong steel metal wheel with rubber edge. Forward and backward measuring – just back up to correct the measurement. Button reset of the counter wheel. Easy to operate with the help of the kick stand and parking brake. Telescopic handle for storage and transportation. Track rail can be attached. (Sold separately)

Measuring range: 9,999.90 m  
 Increments: 1 cm  
 Wheel diameter: 318.3 mm  
 Wheel circumference: 1 m  
 Total height: 1090 mm  
 Total weight: 3.9 kg  
**Tolerance: less than 0.02 %**  
 Carrying case can be purchased separately.

#### Article N°.

700 1992 Rollfix Super

### Carrying Case



Made of imitation leather with handle and two locks – for Rollfix Standard and Rollfix Super measuring wheels. Weight 2.2 kg.

#### Article N°.

700 1902 Carrying Case

### Track Rail



Track Rail  
 Weight: 0.6 kg

#### Article N°.

700 1993 Track rail

# General Terms of Payment and Delivery

Edition 2022

## 1. Scope

Placement of any order with us shall be deemed unconditional acceptance of our Terms of Payment and Delivery by the party placing the order. Any terms of purchase proffered by a customer shall be valid only if expressly confirmed by us in writing. Amendments of terms, and any additional stipulations, shall be valid only if confirmed by us in writing. All contractual relations shall be governed by German law exclusively.

## 2. Offers

All offers made shall be revocable as regards price, quantity, time for delivery, and ability to supply the goods. We reserve the right to modification of goods in terms of design or technology without prior notice, as long as this does not affect functionality of the goods.

## 3. Products

All information on products given in our catalogue or in brochures reflect the current state of technology. Drawings, statements of dimension or weight shall be without obligation. Our products are subject to continuous further development. Information supplied on products shall be binding only if contained in our confirmation of order and made in writing. We shall be under no obligation to give notice of modifications made.

## 4. Prices

All prices quoted shall refer to the date of delivery. They refer to delivery ex works or ex representative's premises, excluding freight, postage, packing, and insurance. We reserve the right to adjust prices and to effect delivery in part shipments.

Products made to customer's order shall be subject to an extra charge. Such charge shall be stated as an approximate price to be finally fixed by the supplier after the product has been manufactured.

Where products shall be made to order or of non-standard design, any minimum order quantities may be exceeded or reduced. Prices quoted are basic prices excluding turn-over tax (value added tax).

## 5. Payment

Payment for delivered goods shall be effected within 30 days of the date of invoice at the latest. A two-per cent discount may be made if payment is effected within 10 days of the date of invoice.

Any mistake of solvency of a party and any failure to observe the terms of payment as stated above or as may otherwise have been agreed upon in writing, shall entitle the supplier, at his option, to demand prepayment, to rescind the contract, and to claim damages for breach (non-performance). The supplier may exercise the above rights concurrently, and exercising one right shall not exclude the right to exercise any other such rights. The ordering party shall not be entitled to retain any due payments or to set off any claims.

## 6. Retention of Title

We shall retain title to the goods in any condition until payment is made in full. The buyer shall not be entitled to use the goods to create a lien or other security. Where goods supplied shall be re-sold before full payment has been made, the claim for payment against the third party shall be substituted for the goods.

## 7. Time for Delivery

Any time for delivery shall be carefully calculated, although we shall be under no obligation to exactly comply to such calculation. Time shall commence from the date of confirmation of order. In the case of force majeure we shall be entitled to rescind the contract in full or in part. Any further claims by the ordering party, including but not limited to, cancellation and compensation for any kind of damage, including damage to property other than the goods, shall be excluded.

## 8. Passing of the Risk

Shipments shall be effected on the ordering party's account and at the ordering party's risk. Upon the goods leaving our store, our obligation to deliver the goods shall be deemed discharged. If not otherwise agreed upon, shipment will be effected by a carrier of our choice.

## 9. Acceptance and Performance

We shall be entitled to effect part shipments without our having to bear any additional charges, regardless of their nature. After the expiry of one week from the date that goods have been announced ready for shipment, delivery shall be deemed performed.

Where the ordering party shall be in default of acceptance or shall fail to observe his obligation to pay the purchase price, we shall grant an additional one week's indulgence, and thereafter be entitled to claim damages for breach (non-performance). For these purposes, liquidated damages shall be deemed agreed upon to amount to 20 per cent of the value of the goods delivered, deducting freight, packing and installation charges, without proof of actual damage and subject to higher damages to be claimed upon proof.

## 10. Liability for Defects

Any remedies for defects to be exercised by the ordering party / the buyer shall be subject to his discharging his obligations to properly investigate the goods and to notify of defects, as stipulated in Sections 377, and 378 HGB (German Commercial Code).

To the extent that BMI A. Keller GmbH shall be liable for a defect of the goods, we shall be entitled, at our option, to remedy the defect or to supply goods in replacement. Where a defect is to be remedied by us, we shall bear all necessary expenses, including transport, travelling, labour, and materials' costs, excluding, however, any increase in costs resulting from the goods being transferred to a location other than the place of performance.

Where we shall not be prepared or shall not be in a position to remedy a defect or to supply goods in replacement, including failure to remedy or replace within a reasonable period of time for reasons that we shall be responsible for, or where an attempt at remedying or replacement shall fail, then and in that event the ordering party shall be entitled, at his option, to rescind the contract or claim a reduction of the purchase price.

Subject to the provisions below, any further claim by the ordering party, based upon any grounds whatsoever, shall be excluded. Thus, we shall not be liable for damage to property other than the goods delivered. We shall not be liable to the ordering party for loss of profits or other financial loss. This exclusion of liability shall also extend to claims based in tort.

The above disclaimer of liability shall not comprise damage caused intentionally or recklessly. Further, it shall not comprise damages claimed by the ordering

party for breach (non-performance) as a result of the absence of any warranted qualities.

To the extent that we shall negligently fail to observe any material condition of the contract, our liability to compensate for personal injury and damage to property shall be limited to the amount covered by our product liability insurance policy. We are prepared to allow the ordering party to inspect our insurance policy upon his request. The warranty period is subject to legal requirement to run from the passing of the risk. This period is a limitation period. For consequential damage caused by defective goods, the warranty period is six months, unless a claim is based in tort.

## 11. Return of Goods

Where goods shall be returned, after an order has been regularly discharged, such return shall require the prior consent by BMI and shall be effected free of charge. The sum credited shall amount to the value of the goods deducting 15 per cent for further processing and packing, etc.

Upon the return of goods delivered more than 3 months before, we reserve the right to deduct a higher percentage.

Products made to order, and measuring instruments with promotional labelling, shall, as a rule, not be returned under any circumstances.

## 12. Third Party Intellectual Property Rights

Where an order shall be placed for a product whose design or constructional features shall conform to specification by the ordering party, that party shall make sure that no intellectual property rights of third parties will be affected. In case an infringement claim shall be made against us, that party shall indemnify us.

## 13. Place of Performance and Jurisdiction

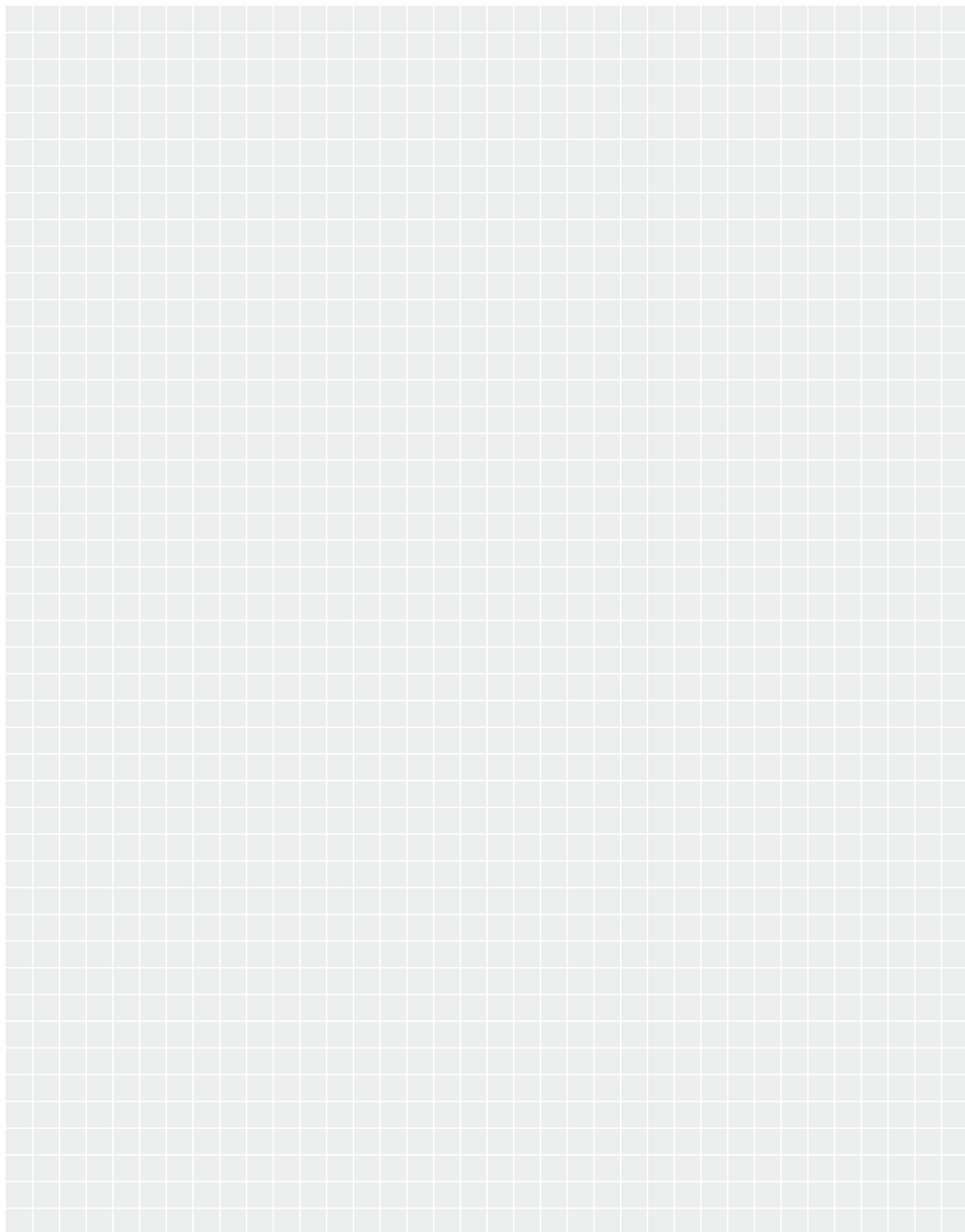
The place of performance as regards deliveries and payments shall be Hersbruck and Nuremberg, respectively. The exclusive place of jurisdiction shall be Hersbruck and Nuremberg, respectively.

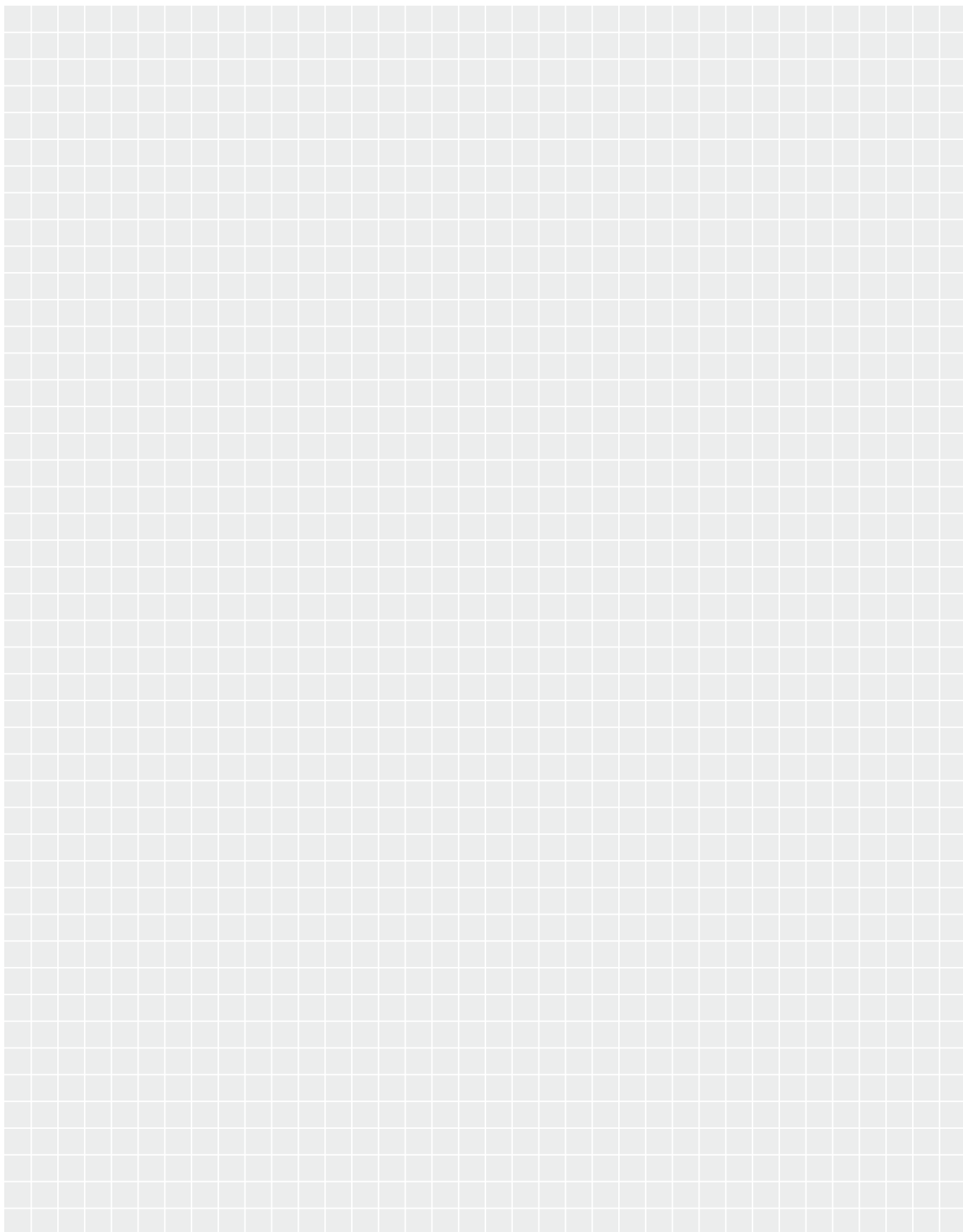
## 14. Miscellaneous

Where individual provisions of these General Terms of Payment and Delivery shall be or become invalid, such invalidity shall not affect the validity of the remaining provisions.

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This catalogue replaces and supercedes all earlier issued catalogues.







# BMI®

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