

BMI[®]

Measuring Instruments



made in
Germany
BMI[®]

Our Intentions

As a private enterprise that has been owned by our family for more than 50 years, we feel particularly committed to our customers' interests.

One of our major intention is to live up to the reputation and tradition of the quality label "made in Germany".

In the north 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. On top of that, BMI succeeds in combining tradition and innovation.

This is also highlighted by our way into laser levelling. Since 1993, BMI has been one of the leading manufacturers in this technology.

A further indication of the continuous innovation are more than 40 active patents.

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

- 1986** The introduction of unique spirit levels whose vials have been unalterably fixed by means of ultrasonic welding
- 1986** The minimization of a tape breakage hazard through the FLEXTOP tip for measuring tapes
- 1992** Measuring tape frames with ball bearings of the ERGOLINE series for left and right handers
- 1997** Hightech manufacture of EUROSTAR with unbreakable, laser-marked vials.
- 1999** The levelling laser BMI Magic and its universal usage
- 2001** Introduction of the enclosed series, RADIUS for measuring tapes
- 2003** Presenting the robust, waterproof construction laser NAUTILUS IPX7
- 2005** topoMAT – sold more than 10.000 times – becomes rainproof according to the IP55 standard
- 2007** Quicky – both tape and folding rule in one

All our efforts follow the intention to equip you with up-to-date, marketable quality measuring instruments so that you can approach your customers in a competent and successful way.



Hans Keller
Manager and Sole Proprietor

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**HOTLINE
National**

73 01-0

International

73 01-0

Items for Promotion

Please ask for our special catalogue on items for promotion.

Phone:

+49 (91 51) 73 01-16



**Visit our website
on the Internet:**

www.bmi.de

www.bmi-quicky.de

eMail: info@bmi.de

Please note our General Terms and Conditions on page 98/99.

Our products can be obtained in specialist shops.

Edition: 2008

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These BMI advantages are your benefit:



Frame designed according to ergonomic requirements



Can be modified from right-hand to left-hand operation within seconds



Ball bearings resistant to wear for most convenient handling



Aluminium profiles resistant to bending



Wear-resistant tape outlet of high tech plastic

Measuring Tapes, Frame- and Case-Type

Measuring tapes by BMI, that means patented features which ease the work of professionals and “do it yourselfers” alike, protect the tool itself and thus save time and money. All the three frame series are ergonomically designed, can be modified from right-hand to left-hand operation in no time, and are even equipped with slide or ball bearings.

The FLEXTOP tip which is optionally available without extra charge prevents breakage at the tape end. Our broad range of tape designs with regard to lengths, materials and graduation lay-out provide the user with the perfect solution for every measuring task. The RADIUS case series also includes many of these features, of course.

Measuring tapes by BMI are certainly the right choice

ADVANTAGES

- Tapes comply to the EC accuracy classes I, II or III. Many of them are EC type-approved and are thus suitable for calibration
- Frames designed according to ergonomic requirements
- Can be modified from right-hand to left-hand operation within a second
- Ball bearings resistant to wear for most convenient handling of the ERGOLINE frame
- Low-wear slide bearings for BASIC and STANDARD frames
- The FLEXTOP tip prevents breakage at the tape commencement (see page 12)
- Park position for the tape commencement ring and crank arm



Nothing can scratch me!

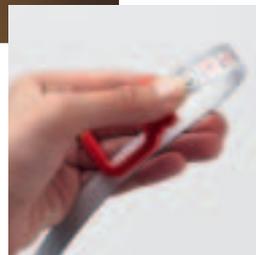
- Measuring tapes with this symbol have a transparent coating as wearing protection, 10 times stronger than any other non-abrasive coatings! You will obtain many of these advantages from BMI only, as they have been patented!



Park position for tape commencement ring



Park position for crank arm



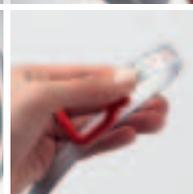
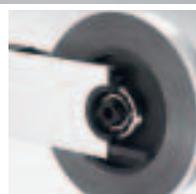
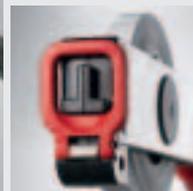
The FLEXTOP tip prevents breakage at the tape commencement



RADIUS case with easy grip soft-touch surface

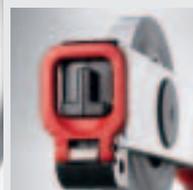
ERGOLINE

Ergonomically shaped frame with easy-to-grip, soft rubber protrusions.
 Park position for crank arm and tape commencement ring.
 Ball bearings for highest winding convenience.



STANDARD

STANDARD frame series
 Like ERGOLINE, but with plastic slide rings instead of ball bearings,
 without soft rubber protrusions.



BASIC

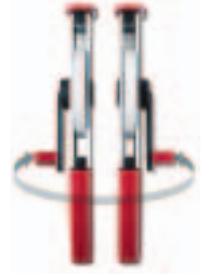
BASIC frame series
Ultrasonic welded high-impact plastic frame. Important features as in ERGOLINE, but with slide rings instead of ball bearings.



BMI

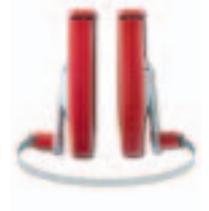
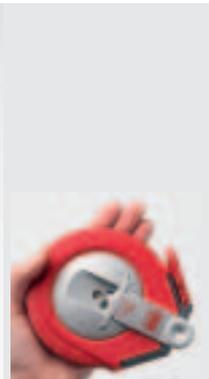


We deliver long-length tapes with STANDARD V-frame



RADIUS

RADIUS case series
Ergonomically shaped case with with large crank arm and park position for commencement ring. Slide bearing shells for highest winding comfort. With easy grip soft-touch surface



555 case series

555 case series

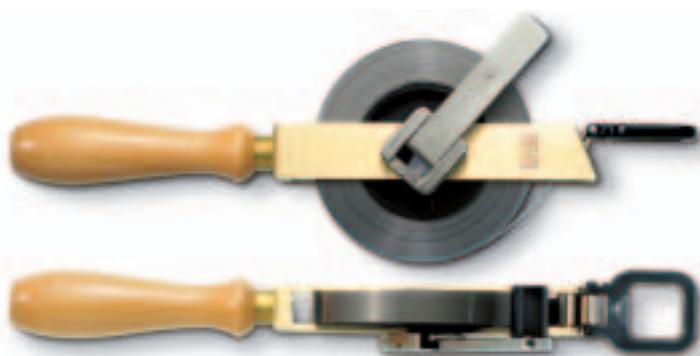
Handy case tape made of shock-resistant plastics.
Carrying strap. **Tape width 10 mm**



Brass frames

Dipping tapes, suitable for calibration (large fig.)

Brass frames for stainless steel tapes small fig.)



including weight 476,
please see page 13 for description,
suitable for calibration

Graduation lay-out

Graduations available.
Custom made graduations on request



1: (cm)



2: (cm/cm)



3: (cm/inch)



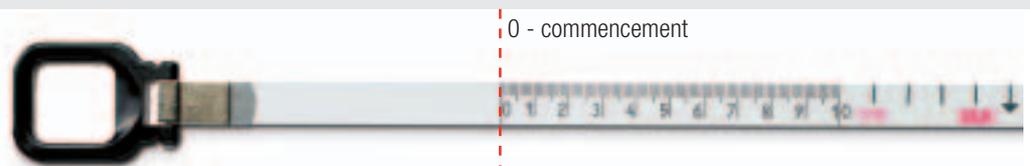
4: (mm)



5: (mm/inch)

Measurement Commencements

A:
Measurement commencement
approx. 10 cm after end fitting



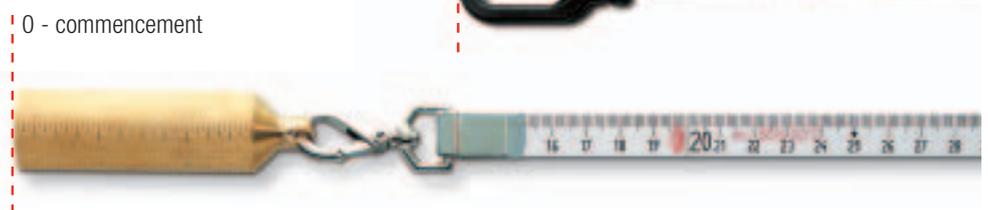
B:
Measurement commencement
at front fitting edge



C:
Measuring commencement
at front ring edge



L:
Measurement commencement
at the bottom edge of the weight



Tape Commencements

For all steel measuring tapes
13 mm, pull ring made of
break-proof plastic, 2 notches
for weights.

**This commencement will be
delivered when no special
commencement is mentioned**



F:
FLEXTOP tip made of trans-
parent, highly-flexible plastic;
reliably prevents breakage at the
tape commencements.

For all steel measuring tapes
13 mm, pull ring made of
break-proof plastic, 2 notches
for weights.



BHF:
Hookring with FLEXTOP tip,
measurement commencement B



CHF:
Hookring with FLEXTOP tip,
measurement commencement C



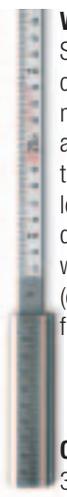
M:
Metal commencement with
metal ring



**Weight 11**

Brass, cylindrical, no graduation, length 170 mm, diameter 24 mm, weight 500 g (can be removed from the tape)

Order No.
340 00 11

**Weight 16**

Stainless steel cylindrical, engraved mm scale on one and inch scale on the other side, length 113 mm, diameter 24 mm, weight 400 g (cannot be removed from the tape)

Order No.
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)

Order No.
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)

Order No.
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), **suitable for calibration**

Order No.
340 02 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)

Order No.
340 02 31

**Weight 476**

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

see order overview at page 22

Custom made measuring tapes

For example self adhesive tapes with graduation from right to left side

We are pleased to produce custom made measuring tapes for you. Please contact us!

Interesting facts about measuring tapes

Accuracy:

BMI measuring tapes have been manufactured according to the highest quality standards in Germany. Within the scope of product liability we guarantee for the observation of tolerances according to EC accuracy classes for metric graduations.

Our standard is

- for stainless steel tapes: class II (class I option for an extra charge)
- for polyamid-coated measuring tapes in cm-graduation, BMI-ISOLAN: class I
- for glass fibre reinforced measuring tapes: class II or III

Tolerances according to EC accuracy classes:

- I: ± 1.1 mm in 10 m
- II: ± 2.3 mm in 10 m
- III: ± 4.6 mm in 10 m

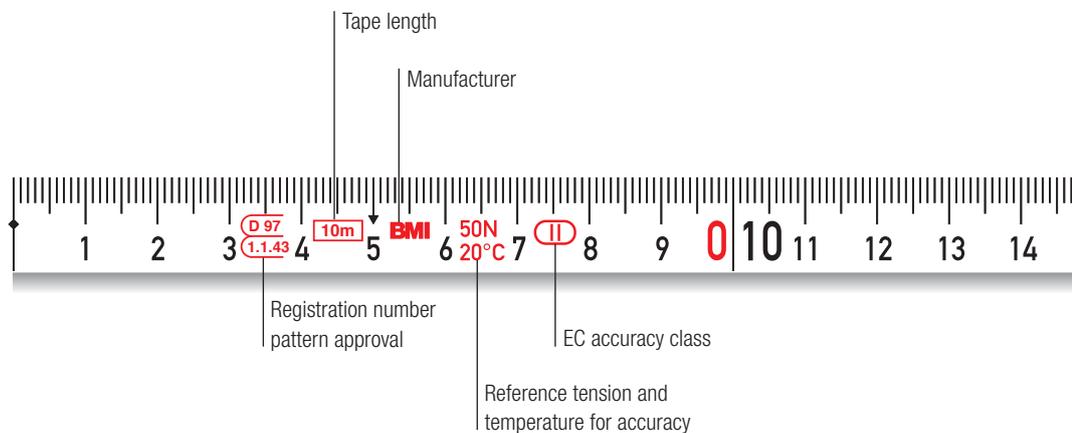
High-quality measuring tapes can be recognized from the different imprints at the tape end. There you will find the manufacturer's label, the number of the EC type approval, the EC class accuracy, the reference temperature and the tension for which the manufacturer guarantees the observation of measurement tolerances according to the EC class accuracy.

Certificate of Conformity:

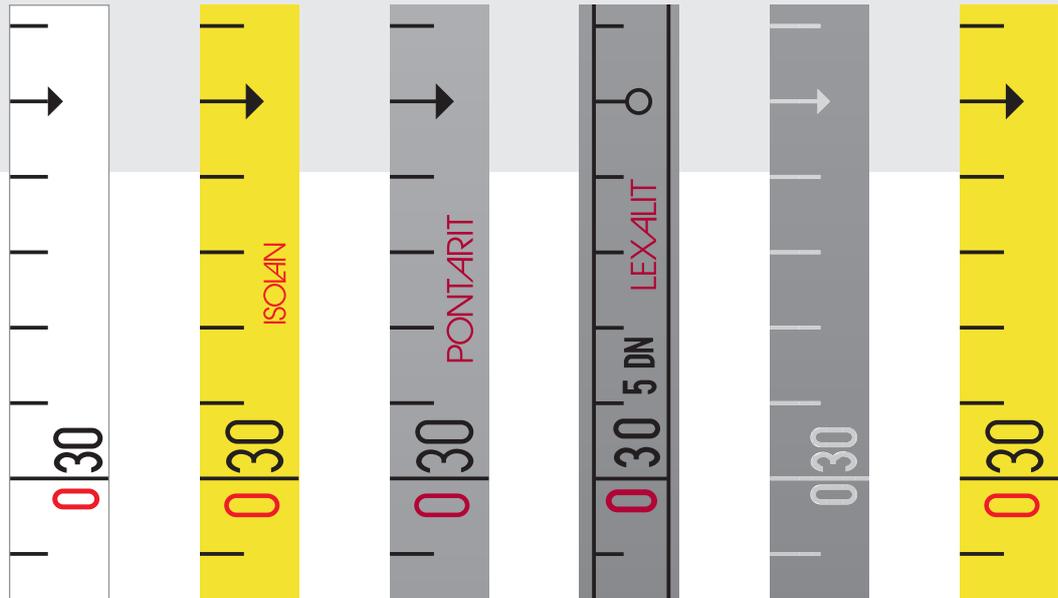
For all measuring tapes with a metric graduation we will issue a certificate of conformity, if required. Compliance of the tape widths with the respective EC type approval and the observation of measuring tolerances according to EC accuracy classes are certified herein (Surcharge).

Calibration:

All measuring tapes with a metric graduation are EEC pattern approved and can be calibrated for an extra charge. This calibration is valid in all EU member states. Some dipping tapes, however, are exempted.



Recommended usage



Tape quality:	Steel, white enamelled, printed graduation	Steel, yellow enamelled, printed graduation, with polyamide coating, "ISOLAN"	Refined steel, printed graduation, "PONTARIT"	Refined steel, deep etched graduation, "LEXALIT"	Refined steel, high etched graduation,	Glassfibre, reinforced plastic, printed graduation
Characteristics:						
stainless	+	++	+++	+++	+++	+++
acid-proof		+			+++	
proved for oil					+++	
non-conductive (insulated)						+++
unbreakable/flexible	+	++	++	++	++	+++
resistant to wear	++	+++	+	+	++	+
readability	+++	+++	++	++	+	+++
Recommended use	universal, normal use	universal, toughest demands	also in wet environment	also in wet environment	also in chemical aggressive environment	universal, weaker demands
Equipment options:						
Graduation	cm, cm/cm, mm, mm/inch	cm, cm/cm, mm, mm/inch	cm, cm/cm, mm, mm/inch	cm	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 50 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	A, B, C, L	A, B, C
Tape commencements	all	all	all	all	all	all, but no Flextop
Accuracy:						
EC class	II, (I possible)	II, (I possible)	II, (I possible)	II	II, (I possible)	Graduation II on one side graduation III on two sides
Suitability for calibration	all variants on A and B, CH, L30	all variants on A and B, CH, L30	all variants on A and B, CH, L30	all variants on A and B, CH, L30	all variants on A and B, CH, L30, L476	all variants on A and B, CH

Order survey tape quality

White enamelled 13 mm



This is how your order no. could look like:

301 01 1 010 A F

white enamelled measuring tape, printed graduation

ERGOLINE

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

STANDARD

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Graduations

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

Measurement commencements

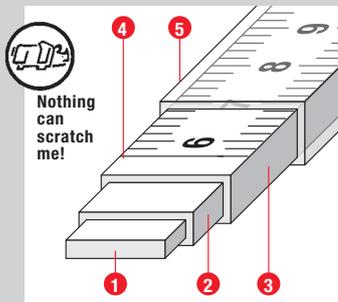
A	
B	
C	
L	

Please order weight separately, see p.13 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 Concaved, tempered spring blade steel of high stability
- 2 Anticorrosive phosphate coating
- 3 Synthetic resin, stoved
- 4 Printed graduation with red meter figures
- 5 Clear varnish to protect against wear, stoved



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

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	Price
501	00	X	001	X	X	
501	00	X	002	X	X	
501	00	X	005	X	X	
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 3/4



equal to Standard 3/4

RADIUS case



Replacement tapes

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

Measurement commencements	
A	
B	
C	
L	

Please order weight separately, see p.13 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 and transfer them to your order no.

Order survey tape quality

ISOLAN 13 mm

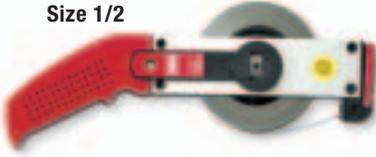
ISOLAN tape, polyamide coating, printed graduation

This is how your order no. could look like:

305 01 1 010 A F

ERGOLINE

Size 1/2



Size 3/4



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

STANDARD

Size 1/2



Size 3/4



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

Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Graduations

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

25% surcharge

Measurement commencements

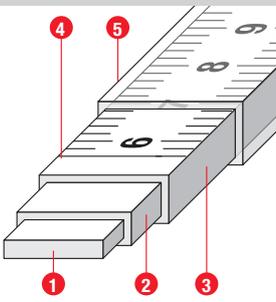
A	
B	
C	
L	

Please order weight separately, see p.13 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 layer
- 3 Yellow synthetic resin, stoved
- 4 Printed graduation with red metre digits
- 5 Polyamide coating against wear*



* resistant to alkalis, saline solutions, grease, oils and diluted acids

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
505	31	X	010	X	X	
505	31	X	015	X	X	
505	31	X	020	X	X	
505	32	X	025	X	X	
505	32	X	030	X	X	

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

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
505	21	X	010	X	X	
505	21	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	Price
505	00	X	001	X	X	
505	00	X	002	X	X	
505	00	X	005	X	X	
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



equal to Standard 3/4

RADIUS case



Replacement tapes

Graduations

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

25% surcharge

Measurement commencements



Tape commencements (optional)



Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Order survey tape quality

PONTARIT 13 mm



This is how your order no. could look like:

315 01 1 010 A F

PONTARIT stainless steel tape, printed graduation

ERGOLINE

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

STANDARD

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

Please choose numbers and capital letters of desired tape features and transfer them to your order no.

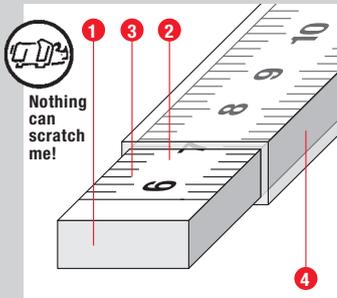
Graduations	
1 (cm)	
4 (mm)	

Measurement commencements	
A	
B	
C	
L	

Please order weight separately, see p.13 for model variants

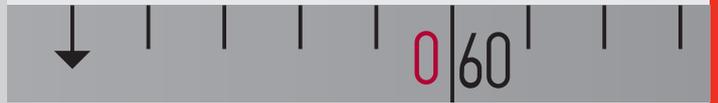
Tape commencements (optional)	
F (FLEXTOP)	
HF (hookring flexible, surcharge)	
M (metal ring)	

for measurement commencement B
for measurement commencement C



Tape structures

- 1 Strain-hardened spring blade made of stainless chrome nickel steel
- 2 Matt-pickled surface
- 3 Printed graduation with red metre digits
- 4 Clear varnish against wear, stoved



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

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	Price
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 3/4



equal to Standard 3/4

RADIUS case

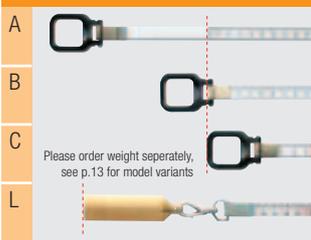


Replacement tapes

Graduations



Measurement commencements



Tape commencements (optional)



Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Order survey tape quality

High etched

13 mm



This is how your order no. could look like:

309 01 1 010 A F

High etched stainless steel tape

ERGOLINE

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

STANDARD

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	

Size 3/4



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

Brass frame series



including weight 476
Please see p.13 for description, suitable for calibration

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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 and transfer them to your order no.

Graduations

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

25% surcharge

Measurement commencements

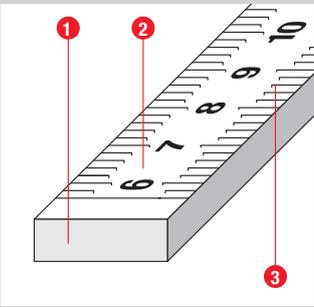
A	
B	
C	
L	

Please order weight separately, see p.13 for model variants

Tape commencements (optional)

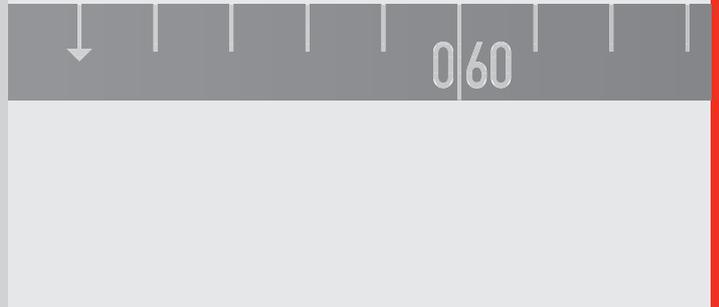
F (FLEXTOP)	
HF (hookring flexible, surcharge)	
M (metal ring)	

for measurement commencement B
for measurement commencement C



Tape structures

- 1 Strain-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	Price
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	Price
509	34	X	100	X	X	

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	Price
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 3/4



equal to Standard 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.13 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 and transfer them to your order no.

Order survey tape quality

Plastic 13 mm



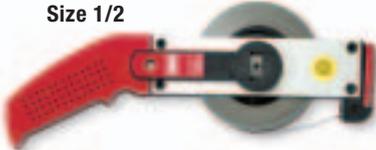
This is how your order no. could look like:

320 01 1 010 A

Plastic measuring tape, glass fibre reinforced

ERGOLINE

Size 1/2



Size 3/4



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
320	01	X	010	X	X	
320	02	X	015	X	X	
320	02	X	020	X	X	
320	02	X	025	X	X	

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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	Price
520	01	X	010	X	X	
520	02	X	015	X	X	
520	02	X	020	X	X	
520	02	X	025	X	X	

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

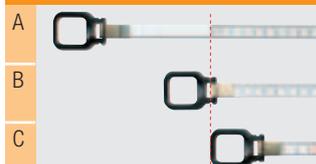
Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Graduations

1	(cm)	
2	(cm/cm)	
3	(cm/inch)	

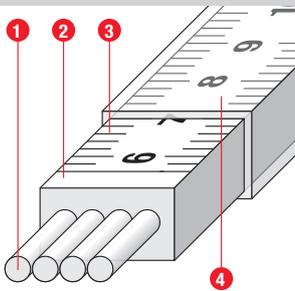
25% surcharge

Measurement commencements



Tape commencements (optional)





Tape structures

- 1 Glass fibres
- 2 Extruded plastic coating
- 3 Printed graduation with red metre digits
- 4 Varnished against wear



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
520	31	X	010	X	X	
520	31	X	015	X	X	
520	32	X	020	X	X	
520	32	X	025	X	X	

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
520	33	X	030	X	X	
520	34	X	050	X	X	
520	34	X	100	X	X	

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
520	21	X	010	X	X	
520	22	X	015	X	X	
520	22	X	020	X	X	
520	23	X	025	X	X	
520	23	X	030	X	X	

Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
520	00	X	010	X	X	
520	00	X	015	X	X	
520	00	X	020	X	X	
520	00	X	025	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



equal to Standard 3/4

RADIUS case



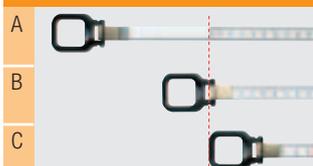
Replacement tapes

Graduations

1	(cm)	
2	(cm/cm)	
3	(cm/inch)	

25% surcharge

Measurement commencements



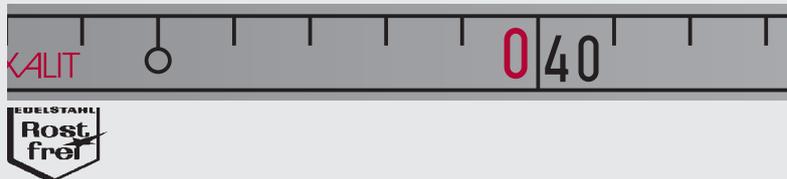
Tape commencements (optional)



Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Order survey tape quality

Deep etched 13 mm



This is how your order no. could look like:

317 01 1 010 A F

LEXALIT stainless steel tape, etched graduation

ERGOLINE

Size 1/2



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
317	01	1	010	X	X	
317	01	1	015	X	X	
317	01	1	020	X	X	
317	02	1	025	X	X	
317	02	1	030	X	X	
317	02	1	050	X	X	

Size 3/4



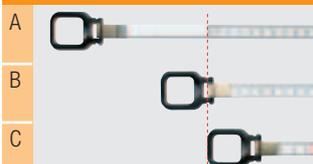
Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
317	03	1	050	X	X	

Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Graduations

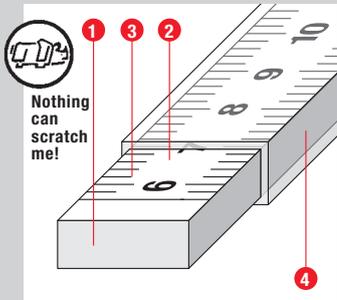
1 (cm) 0.60

Measurement commencements



Tape commencements (optional)





Tape structures

- 1 Tempered spring blade made of stainless chrome steel
- 2 Polished surface
- 3 Deep-etched, black graduation
- 4 Clear varnish against wear, stoved



Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
517	21	1	010	X	X	
517	21	1	015	X	X	
517	21	1	020	X	X	
517	22	1	025	X	X	
517	22	1	030	X	X	
517	23	1	050	X	X	

RADIUS case



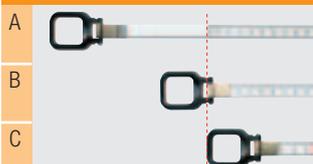
Type	Frame size	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
517	00	1	005	X	X	
517	00	1	010	X	X	
517	00	1	015	X	X	
517	00	1	020	X	X	
517	00	1	025	X	X	
517	00	1	030	X	X	
517	00	1	050	X	X	

Replacement tapes

Graduations



Measurement commencements



Tape commencements (optional)



Please choose numbers and capital letters of desired tape features and transfer them to your order no.

Order survey tape quality

White enamelled, 10 mm



This is how your order no. could look like:

303 17 4 010 A M

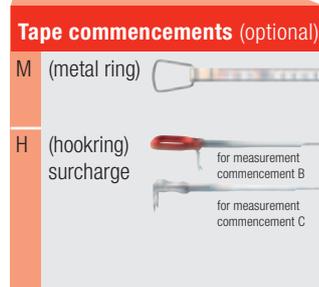
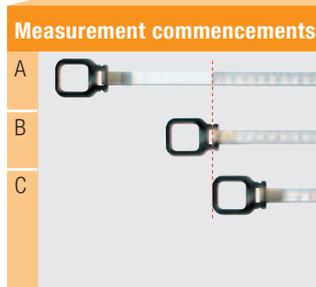
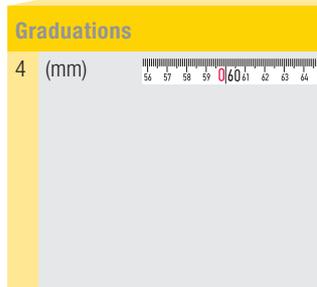
White enamelled measuring tape, printed graduation

555 case series



Type	size of case	Graduation number	Length meter	Measurement commencement	Tape commencement	Price
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 and transfer them to your order no.



Order survey tape quality

High etched 13 mm



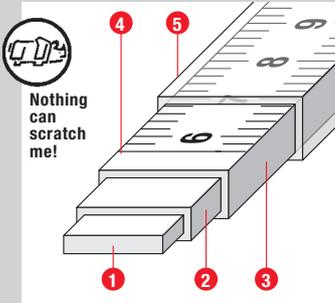
Tank dipping tapes according to IPM specification
High etched measuring tape

according to IPM specification



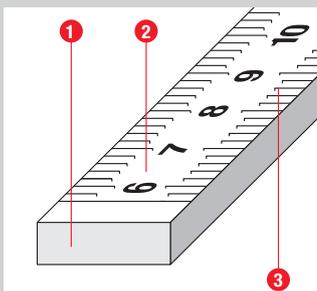
including weight 31, please see p.13 for description, mm graduation

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



Tape structures

- 1 Tempered spring blade made of carbon steel C 75
- 2 Anticorrosive phosphate layer
- 3 White synthetic resin, stoved
- 4 Printed graduation with red metre digits
- 5 Clear varnish against wear, stoved



Tape structures

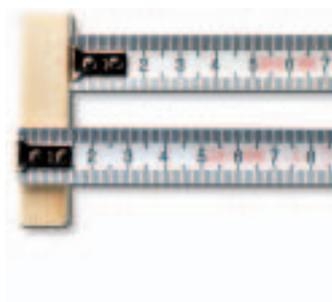
- 1 Strain-hardened spring blade made of stainless chrome steel
- 2 Lowered, etched surface
- 3 Raised, polished graduation



Custom made measuring tapes

For example self adhesive tapes with graduation from right to left side

We are pleased to produce custom made measuring tapes for you. Please contact us!



End fittings

Metal sliding tip, nickel-plated, adjustable for both end-on and hook-on measurements

Internal measuring

With the IN-OUT, VISO, X 4, TOP and TOP-M models the internal measurement can conveniently be read directly from the top sight window. For other models the case length is to be added.



Pocket Tapes

Pocket tapes manufactured by BMI are versatile with regard to their use as their users' demands are diverse.

Longitudinal, internal measuring, radii, mm/mm graduation mm/ inch graduation, individual case designs and much more.

There is almost no limit to your imagination. Owing to the fact that these pocket tapes are manufactured in our own works there are many design options, even for small quantities.

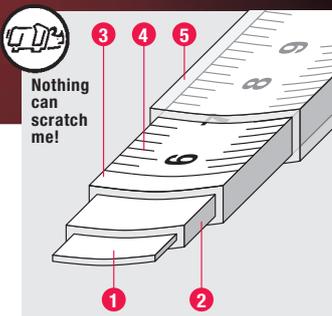
Our main focus is of course on precise measuring, perfect handling and long working life.

ADVANTAGES

- Durability in rough work environment through rust protection of the tapes (phosphate ground coating)



- BMI pocket tapes have a transparent coating as wearing protection, 10 times stronger than any other non-abrasive coatings!
- Long working life of the return lock spring owing to a special spring band steel
- Sophisticated interior: inserted winding coils or distance washers ensure perfectly smooth running
- Robust high-impact ABS or polyamide case
- Tapes with mm-graduation EEC pattern approved, suitable for calibration
- Accuracy acc. to EEC class II
 - 2 m ± 0.7 mm
 - 3 m ± 0.9 mm
 - 5 m ± 1.3 mm
 - 8 m ± 1.9 mm

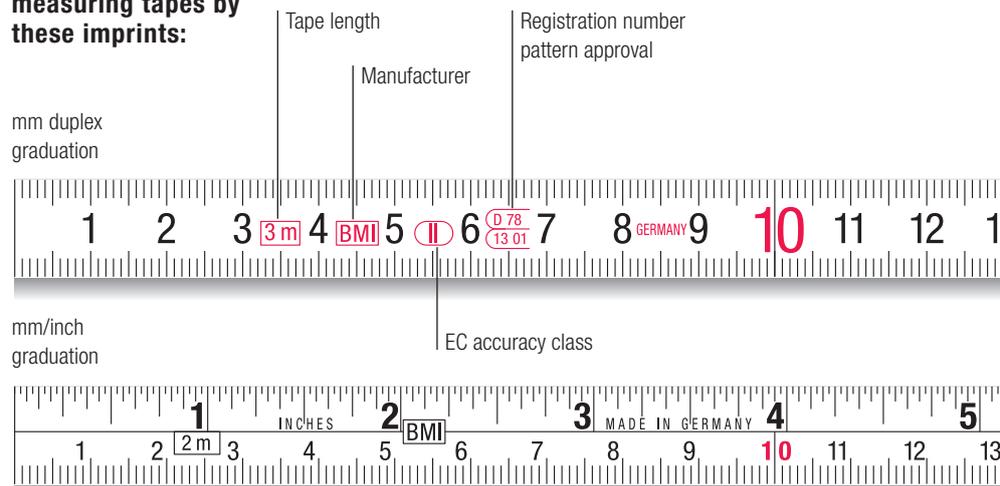


Nothing can scratch me!

Tape structure

- 1 Concaved, tempered spring blade steel of high stability
- 2 Anticorrosive phosphate coating
- 3 Synthetic resin, stoved
- 4 Printed graduation with red meter figures
- 5 Clear varnish to protect against wear, stoved

You will recognize high-quality measuring tapes by these imprints:



Pocket Tapes

401 VARIO

Elegant and ergonomically shaped high-impact ABS plastic case*. A special mechanism ensures smooth running of the blade. Lock lever operates automatic blade return. VARIO 5m with carrying strap. Lengths 2, 3 and 5 m with mm- or mm/inch-graduations.

Case dimensions:

2 + 3 m: 60 x 58 x 19 mm

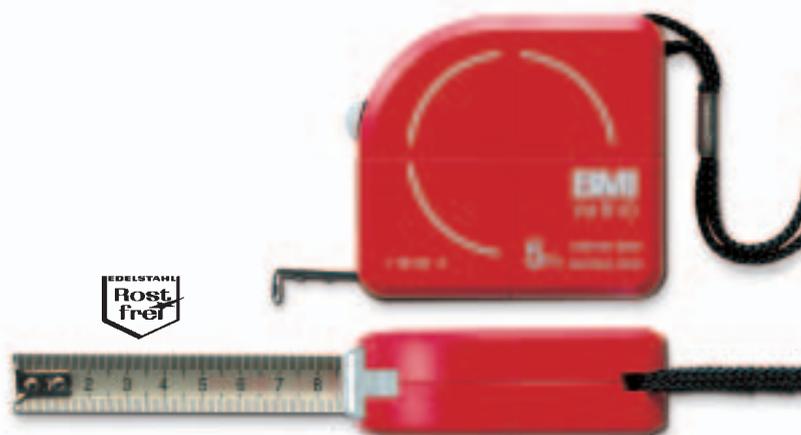
5 m: 75 x 70 x 26 mm



Length	2 m	2 m/79"	3 m	3 m/122"	5 m	5 m/197"
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch
Width	13 mm	13 mm	13 mm	13 mm	16 mm	16 mm
Model no.	401 241	401 251	401 341	401 351	401 541	401 551
Price						
Surcharge for clip						
Surcharge for single packaging						

401 VARIO R

Stainless steel model for special applications. Owing to the use of chrome-nickel steel absolutely rustfree. Otherwise like VARIO.

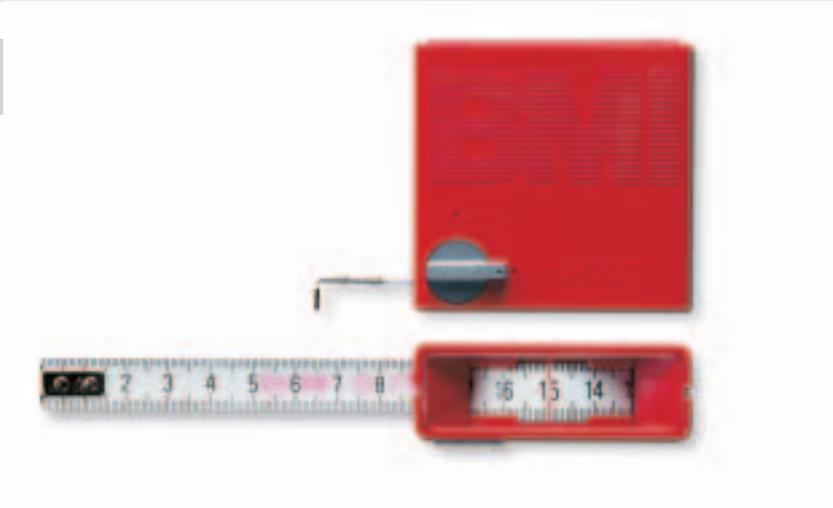


Length	2 m	2 m/79"	3 m	3 m/122"	5 m	5 m/197"
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch
Width	13 mm	13 mm	13 mm	13 mm	16 mm	16 mm
Model no.	401 243	401 253	401 343	401 353	401 543	401 553
Price						
Surcharge for clip						
Surcharge for single packaging						

* also available with beltclip

404 IN-OUT

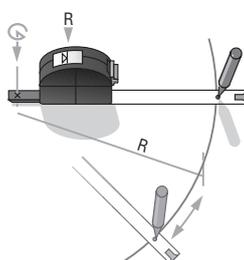
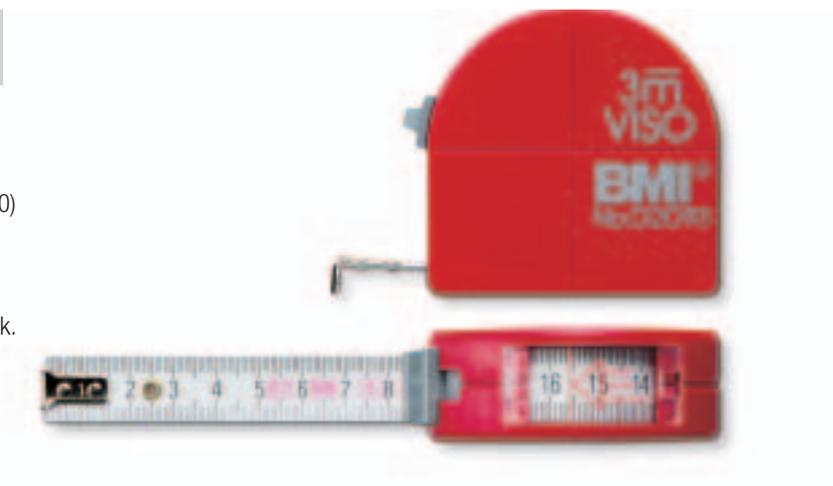
Pocket tape with top sight window for internal measuring (see page 30). The graduation in the window is not displayed upside down (no reading errors possible). Blade lock. Polyamide case. Free-running blade in push-pull execution. Lengths 2+3 m with mm- or mm/inch-graduations. Blade width 13mm. Case dimensions: 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
Model no.	404 241	404 251	404 341	404 351
Price				
Surcharge for clip				
Surcharge for single packaging				

405 VISO

The special measuring tape with 3 functions
 1. Longitudinal measuring
 2. Internal measuring (see page 30)
 3. Circles
 The graduation in the window is not displayed upside down (no reading errors possible). Blade lock. Polyamide case. Free-running blade in push-pull execution. Lengths 3 m with mm- or mm/inch-graduations. Blade width 16 mm. Case dimensions: 65 x 65 x 25 mm



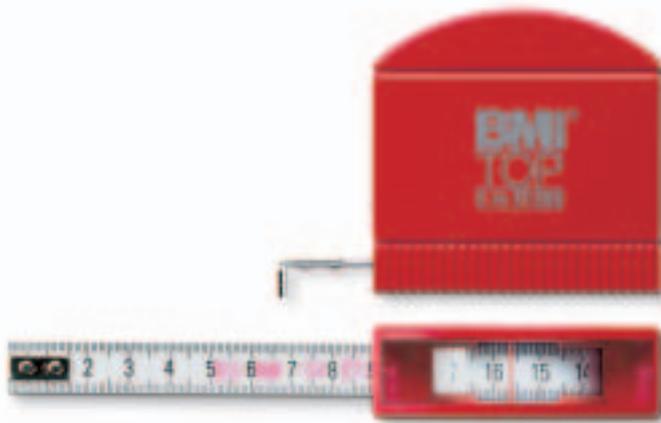
The steel stylus integrated in the swing-out arm allows 3 m radii to be drawn

Length	3 m	3 m/122"
Graduation	mm	mm/inch
Width	16 mm	16 mm
Model no.	405 343	405 353
Price		
Surcharge for clip		
Surcharge for single packaging		

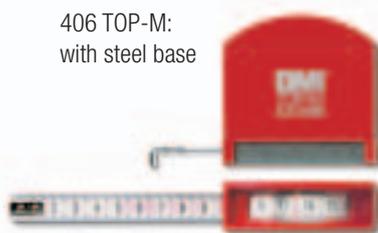
Pocket Tapes

407 TOP / 406 TOP-M

Internal measuring tape (see page 30) without lock. Top sight window with magnifying effect. The graduation in the window is not displayed upside down (no reading errors possible). Polyamide case. Free-running blade in push-pull execution. Lengths 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



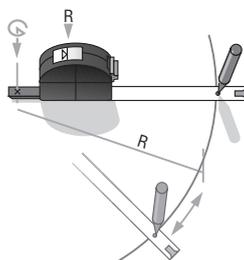
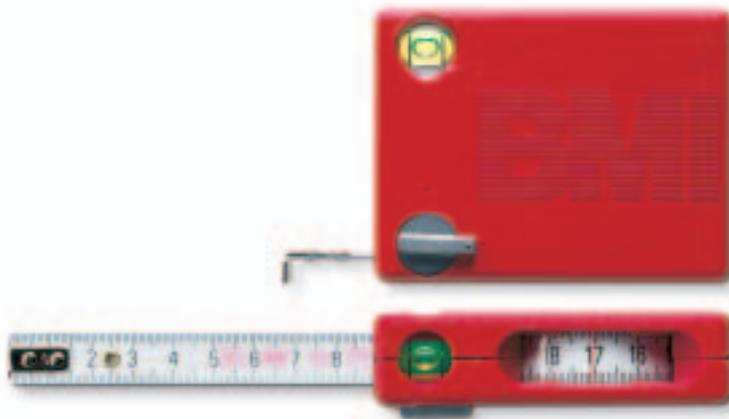
Length	2 m	2 m/79"	3 m	3 m/122"	2 m	2 m/79"	3 m	3 m/122"
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch	mm/inch	mm/inch
Width	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm	13 mm
Model no.	407 241	407 251	407 341	407 351	406 241	406 251	406 341	406 351
Price								
Surcharge for clip								
Surcharge for single packaging								

408 X4

The most versatile tape with 4 functions :

1. Longitudinal measuring
2. Internal measuring (see page 30)
3. Radii drawing
4. Level

The graduation in the window is not displayed upside down (no reading errors possible). Blade lock. Polyamide case. Free-running blade in push-pull execution. Lengths 3 m with mm- or mm/ inch-graduations. Blade width 13 mm. Case dimensions: 60 x 80 x 20 mm



The steel stylus integrated in the swing-out arm allows 3 m radii to be drawn.

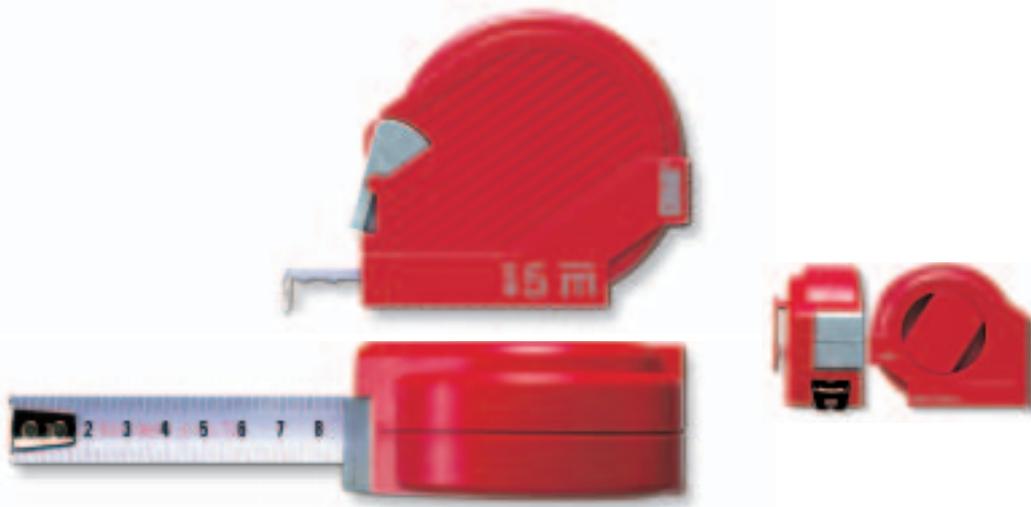
Length	3 m	3 m/122"
Graduation	mm	mm/inch
Width	13 mm	13 mm
Model no.	408 341	408 351
Price		
Surcharge for clip		
Surcharge for single packaging		

420 MAX

MAX, the “extra-wide” blades by BMI. Extreme blade stability. High-impact ABS plastic case. Automatic blade return. Shock-absorbing buffer at the blade inlet. Modern technology for long working life. Retractable belt clip, ergonomically designed lock to ensure perfect handling. Lengths 3, 5 and 8 m with mm- or mm/inch-graduations

Blade widths:
 3+5 m: 19 mm
 8 m: 25 mm

Case dimensions:
 3+5 m: 82 x 75 x 38 mm,
 8 m: 90 x 83 x 46 mm



Length	3 m	3 m/120"	5 m	5 m/197"	8 m	8 m/324"
Graduation	mm	mm/inch	mm	mm/inch	mm	mm/inch
Width	19 mm	19 mm	19 mm	19 mm	25 mm	25 mm
Model no.	420 341	420 351	420 541	420 551	420 841	420 851
Price with single packaging						

472 twoComp

Pocket tape with robust tape operating mechanism. High-impact ABS plastic case. Automatic blade return. Blade lock. 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: 80 x 80 x 45 mm



Length	2 m	3	5 m	8 m
Graduation	mm	mm	mm	mm
Width	16 mm	16 mm	19 mm	25 mm
Model no.	472 241	472 341	472 541	472 841
Price Single Blister packaging				

Pocket Tapes

490 MET

The pocket tape with heat-resistant zinc die-cast case with chrome finish.

Automatic, lock-operated blade return.

Lengths 2 + 3 m with mm-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
Model no.	490 241	490 251	490 341	490 351
Price				
Surcharge for clip				
Surcharge for single packaging				

From null to two metres in one second!

QUICKY

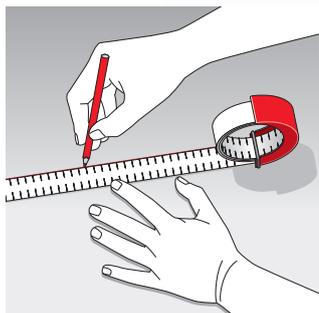
The folding rule is compact...
QUICKY is more compact

The folding rule is robust...
QUICKY is more robust

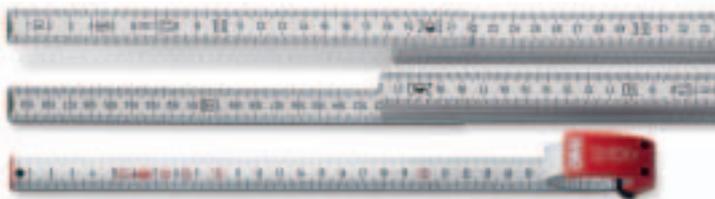
The folding rule is accurate...
QUICKY is more accurate

This "cool" piece is unique in the market!

Due to a special treatment of the refined steel tape, the tape **unrolls on its own**, activated by a short hands' movement.



The unrolled tape always has a continuous straight edge, therefore Quicky is ideal for drawing continuous lines.



The tape lies flatly on the table, allowing precise marking of measurements (a folding rules' either remains "in the air" or has to be read inverted).

Length	2 m	2 m/79"
Graduation	mm	mm/inch
Width	16 mm	16 mm
Model no.	428 24 1030	428 25 1030
Price		

incl. Blister packaging

A rubber ring at the lower end of the tape frame supports the **go** or **stop**, depending on the position of the hand holding the frame.

Technical details:

- Refined steel tape, white enamelled
- absolutely waterproof
- 2 m long and 16 mm wide
- Accuracy according EC class II



...rolls out on its own!

"QUICKY in action" on www.bmi.de!



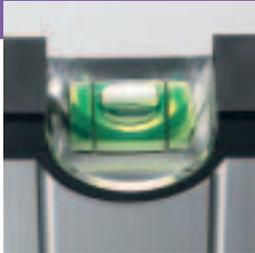
These BMI advantages are your benefit :



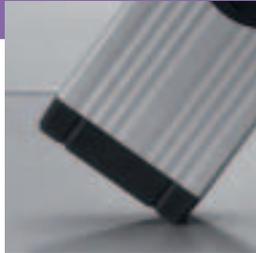
**Vial with magnifying effect.
No more double-bubble trouble!**



2% slope markings



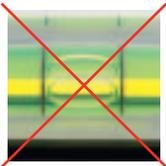
Top-end vial



Shock-absorbing rubber end-caps



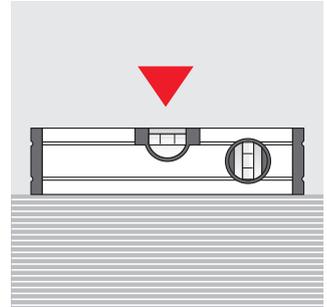
Unique, sturdy 4-chamber profile



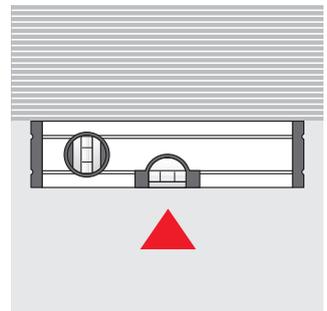
Spirit Levels

Applications for spirit levels

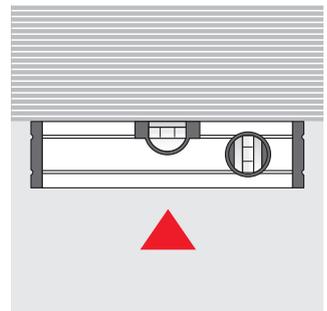
Horizontal **normal position**



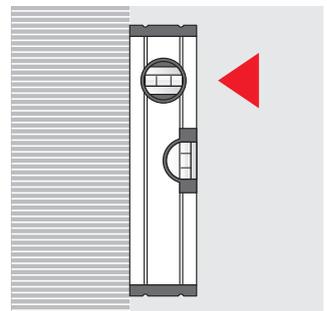
Horizontal **inverted position**
(over-head measuring)



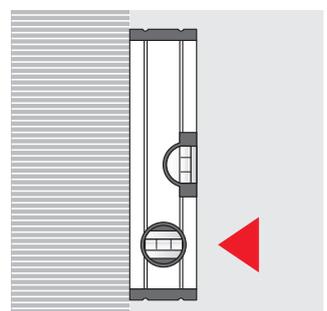
Horizontal **over-head measuring**
(only for BMI-EUROSTAR and BMI-ROBUST)



Vertical **normal position**



Vertical **inverted position**



ADVANTAGES

- Selected high quality materials.
- Worldwide patented manufacturing processes.
- High measuring accuracy up to 0.5 mm/m in normal and inverted position.
- Up to 30 years BMI guarantee for the durability of the vials.

This means safety for your work.

Aluminium Profiles

Types of Vials

Mounting of the Vial

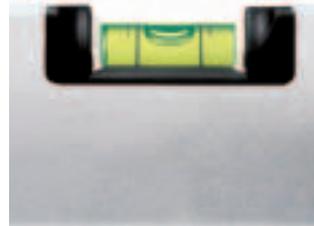
Thickness of wall +/- 10% due to technical reasons



Box section 22 x 50 mm, wall strength 1.5 mm, is used for the **690 type series** up to a length of 150 cm.



Thick-walled, sturdy vial, made of plexiglass, used in the horizontal vials of the 662, 665, 666 and 689 type series.



Break- and shock-proof tube vial with magnifying effect of the 690 type series, extremely good viewing, 2% slope markings.



Worldwide patented mounting technology with electronically adjusted and ultrasonically welded or laser-marked vials.



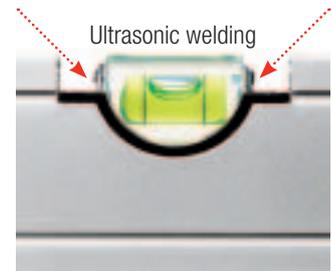
Box section 22 x 50 mm, wall strength 1.6 mm, is used for the **691 type series** up to a length of 120 cm. The lengths 150, 180 and 200 cm have a wall strength of 2.2 mm.



Thick-walled, sturdy vial, made of plexiglass, with magnifying effect, extremely good viewing, used as vertical and horizontal vial in the 692 type series and as horizontal vial in the 691, 695, 698 and 699 series.



Thick-walled, sturdy block vial, made of plexiglass, used as vertical vial in the 662, 665, 666, 691, 698 and 699 series.



For all spirit levels (except the 690 type) made of aluminium profile up to a length of 120 cm the vials are electronically adjusted and fixed in the body by means of ultrasonic welding. **This process has been patented for BMI nationally and internationally.**



Box section 22 x 50 mm, wall strength 1.8 mm, is used for the **692 and 699 type series** up to a length of 120 cm. The lengths 150, 180, 200 and 240 cm have a wall strength of 2.3 mm

Angle of Inclination

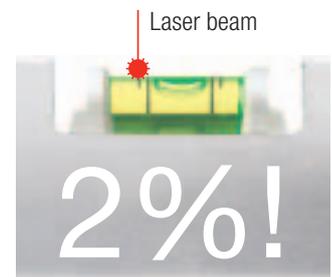
The picture shows a rotating vial of the 691 W and 691 WM and the SUPERTORPEDO type for an easy transfer of inclinations and angles.



Strong 4-chamber aluminium profile box section 60 x 26 mm, wall strength 2 mm, extremely flexible and torsion-proof, used in the **698 type series**.



Extremely sturdy 4-chamber aluminium profile, box section 75 x 26 mm, wall strength 2.0 mm, used in the **695 type series** (even more torsion resistant than the 698).



The 690 EUROSTAR is at first completely mounted. At this stage, the vials don't have any marking rings. In the final stage, a computer measures the position of the vial and controls a laser which applies marking rings to the vial on either side of the bubble in precisely equal distances. **This process has been patented for BMI nationally and internationally.**

EUROSTAR



The original!
With patented
2% slope laser
markings and
reflection-free
readability!



No more
double-bubble trouble!

690 E



690 EM

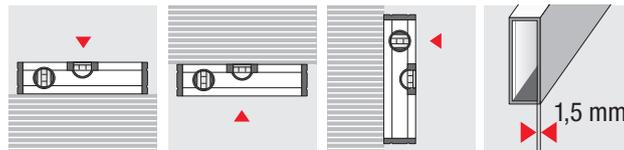


690 ES



- 2% slope markings on horizontal vial.
- Laser-marked vials provide measuring accuracy of 0,5 mm/m for a lifetime.
- Tube vial offers easy readability.
- Strong walls for longer life.

Also available as
690 P (powder-coated),
price equal to 690 E



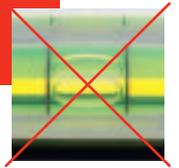
Length in cm	30	40	50	60	80	90	100	120	150	180	200
Order no.	690 030 E	690 040 E	690 050 E	690 060 E	690 080 E	690 090 E	690 100 E	690 120 E	690 150 E	690 180 E	690 200 E
Price											
Order no.		690 040 ES		690 060 ES	690 080 ES		690 100 ES	690 120 ES			
Price											
Order no.		690 040 EM	690 050 EM	690 060 EM	690 080 EM	690 090 EM	690 100 EM	690 120 EM			
Price											

ALUSTAR

BMI



The original!
With ultrasonic-
welded vials
(BMI patent) and
reflection-free
readability!



No more
double-bubble trouble!

691



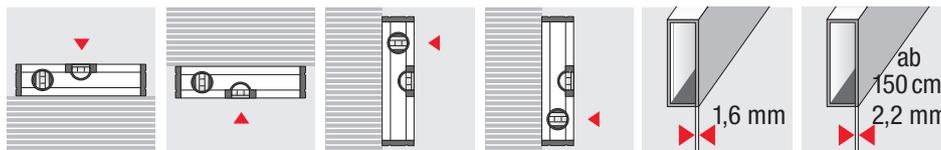
691 M



691 S



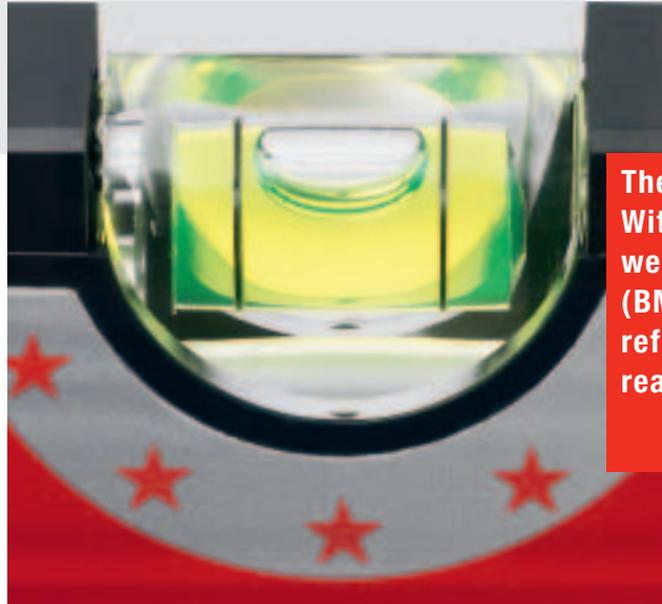
- The original BMI domed round horizontal vial with magnifying effect provides unsurpassed readability, also for inverted measurement.
- Strong walls and shock-absorbing rubber end-caps.
- Highest accuracy for life (0,5 mm/m) due to ultrasonic-welded vials.
- Highly accurate inverted measurement (0,75 mm/m).



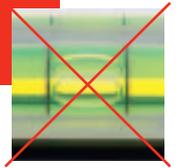
Length in cm	20	30	40	50	60	80	90	100	120	150	180	200
Order no.	691 020	691 030	691 040	691 050	691 060	691 080	691 090	691 100	691 120	691 150	691 180	691 200
Price												
Order no.			691 040 M	691 050 M	691 060 M	691 080 M		691 100 M	691 120 M	691 150 M	691 180 M	691 200 M
Price												
Order no.			691 040 S	691 050 S	691 060 S	691 080 S	691 090 S	691 100 S	691 120 S	691 150 S	691 180 S	691 200 S
Price												

ALUSTAR

BMI

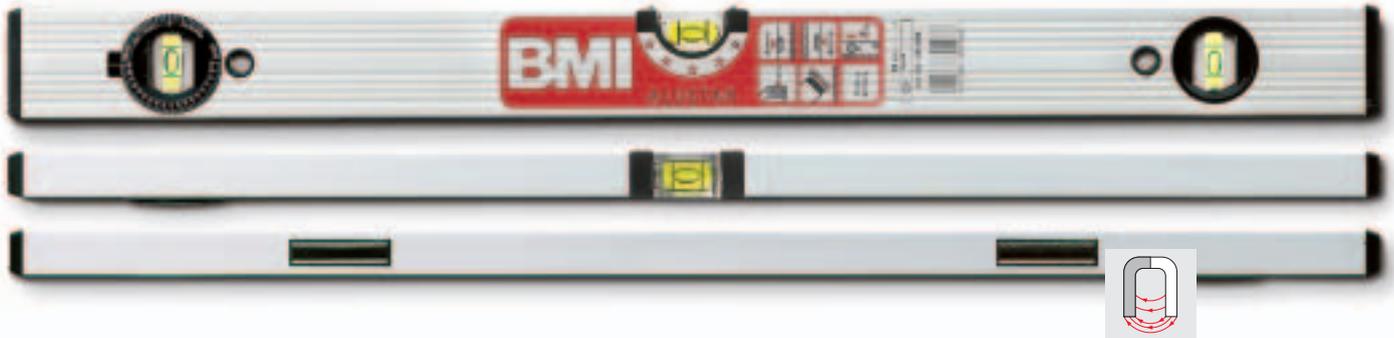


The original!
With ultrasonic-
welded vials
(BMI patent) and
reflection-free
readability!



No more
double-bubble trouble!

691 W



Angle of Inclination

The picture shows a rotating vial of the 691 W and 691 WM and the SUPERTORPEDO type for an easy transfer of inclinations and angles.



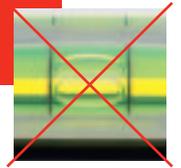
Length in cm	40	60	80	100
Order no.	691 040 W	691 060 W	691 080 W	691 100 W
Price				
Order no.	691 040 WM	691 060 WM	691 080 WM	691 100 WM
Price				

ULTRASONIC

BMI



The original!
With ultrasonic-welded vials (BMI patent), Top-end vial, and reflection-free readability!



No more double-bubble trouble!

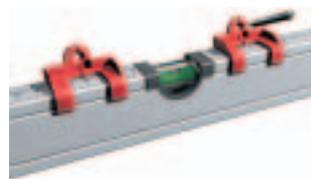
692



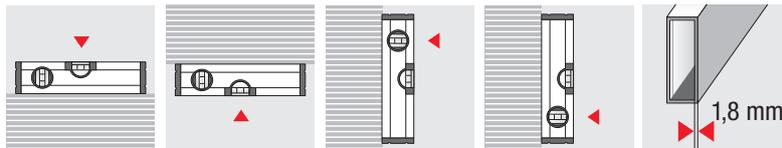
- The original BMI domed round horizontal vial with magnifying effect provides unsurpassed readability, also for inverted measurement.
- Highest accuracy for life (0,5 mm/m) due to ultrasonic-welded vials.
- Highly accurate inverted measurement (0,75 mm/m).
- By means of head vial extremely good viewing of vertical measurements.
- Strong walls and shock-absorbing rubber end-cap preserve high measuring accuracy.



available in 20 cm length with magnet
Order no. 692020 M

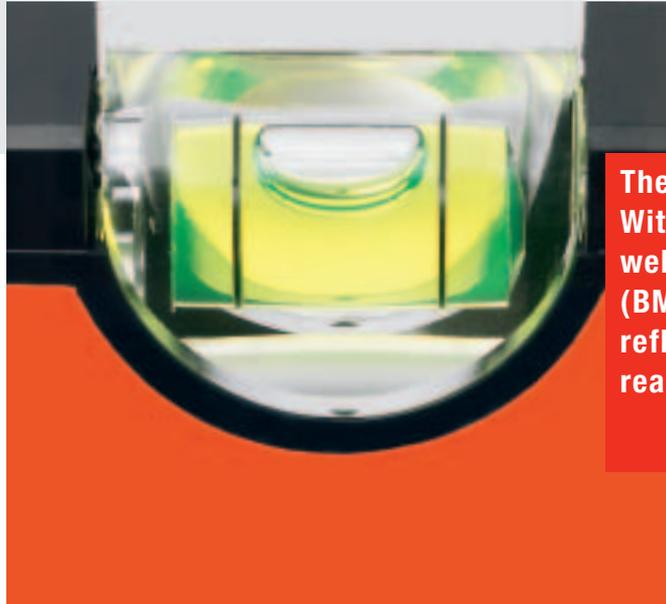


692 SC with two marking devices (60 up to 120 cm)



Length in cm	20	30	40	50	60	80	100	120
Order no.	692 020	692 030	692 040	692 050	692 060	692 080	692 100	692 120
Price								
Order no.	692 020 M							
Price								
Order no.					692 060 SC	692 080 SC	692 100 SC	692 120 SC
Price								

SUPERSTAR



**The original!
With ultrasonic-
welded vials
(BMI patent) and
reflection-free
readability!**



**No more
double-bubble trouble!**

699 A

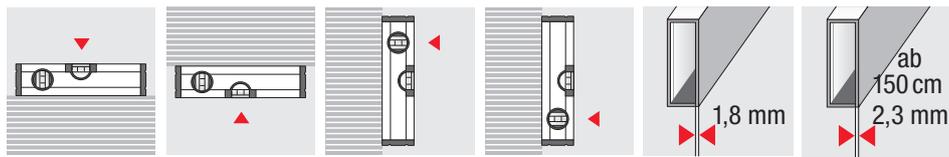


699 M



up to 120 cm

- The original BMI domed round horizontal vial with magnifying effect provides unsurpassed readability, also for inverted measurement.
- Strong walls and shock-absorbing rubber end-caps preserve high measuring accuracy.
- Highest accuracy for life (0,5 mm/m) due to ultrasonic-welded vials.
- Milled measuring surface (up to 120 cm)
- Highest accuracy also for inverted measurement (0,5 mm/m).



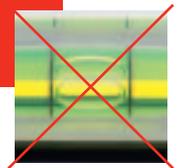
Length in cm	30	40	50	60	80	90	100	120	150	180	200
Order no.	699 030 A	699 040 A	699 050 A	699 060 A	699 030 A	699 090 A	699 100 A	699 120 A	699 150 A	699 180 A	699 200 A
Price											
Order no.		699 040 M		699 060 M	699 030 M		699 100 M	699 120 M	699 150 M	699 180 M	699 200 M
Price											

ROBUST

BMI



The original!
With ultrasonic-
welded vials
(BMI patent) and
reflection-free
readability!



No more
double-bubble trouble!

698



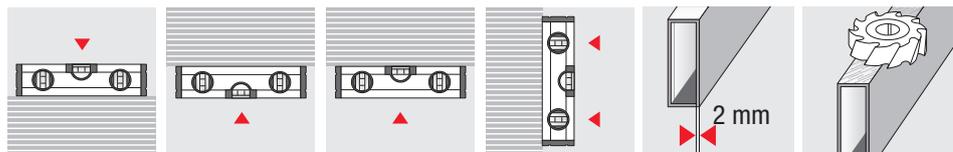
698 D



- Unique, extremely torsion-resistant 4-chamber profile (60 x 26 mm cross-cut).
- The original BMI domed round vial with magnifying effect provides unsurpassed readability, also for inverted measurement.
- Highest accuracy for life (0,5 mm/m) due to ultrasonic-welded vials.
- Especially thick shock-absorbing rubber end-caps preserve high measuring accuracy – for life.
- Two milled measuring surfaces (up to 120 cm)
- Highest accuracy also for inverted measurement (0,5 mm/m).



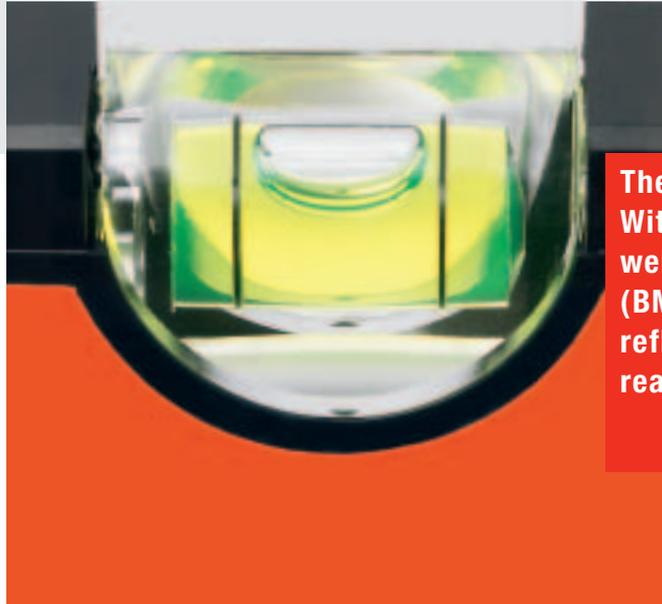
available in lengths
of up to 240 cm



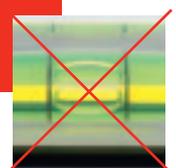
Length in cm	40	50	60	80	90	100	120	150	180	200	240
Order no.	698 040	698 050	698 060	698 030	698 090	698 100	698 120	698 150	698 180	698 200	698 240
Price											
Order no.			698 060 D	698 030 D	698 090 D	698 100 D	698 120 D	698 150 D	698 180 D	698 200 D	698 240 D
Price											

SUPERROBUST

BMI



**The original!
With ultrasonic-
welded vials
(BMI patent) and
reflection-free
readability!**



**No more
double-bubble trouble!**

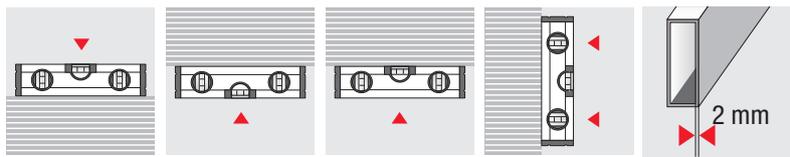
695 D



from 180 cm with 2 h- and 2 v-vials!

**available in lengths
of up to 240 cm**

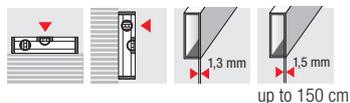
- Unique, extremely torsion-resistant 4-chamber profile (75 x 26 mm cross-cut).
- The original BMI domed round vial with magnifying effect provides unsurpassed readability, also for inverted measurement.
- Highest accuracy for life (0,5 mm/m) due to ultrasonic-welded vials.
- Especially thick shock-absorbing rubber end-caps preserve high measuring accuracy – for life.
- Highest accuracy also for inverted measurement (0,5 mm/m).



Length in cm	120	180	200	240
Order no.	695 120 D	695 180 DH	695 200 DH	695 240 DH
Price				

ECOLINE and wooden spirit level

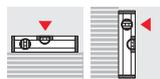
689 ECOLINE



The welcome model for cost-aware users. Robust, smooth aluminium profile, grey (689 P-grey) or yellow powder coated (689 P-yellow). Measuring accuracy in normal position 1 mm/m.

Length in cm	30	40	50	60	80	100	120	150	180	200
Order no.	689 030 ECO	689 040 ECO	689 050 ECO	689 060 ECO	689 080 ECO	689 100 ECO	689 120 ECO	689 150 ECO	689 180 ECO	689 200 ECO
Price										

661



Kampala teak level for all sensitive surfaces, made of reproducible plantation wood. Oiled. Measuring accuracy in normal position 1.0 mm/m.

Length in cm	30	40	50	60	80	100
Order no.	661 030	661 040	661 050	661 060	661 080	661 100
Price						

Spirit Levels

666



Heavy-weight, trapezoid-shaped aluminium die-cast level with milled measuring surface. Level body with orange powder coating. Very high torsion-resistance. Measuring accuracy in normal position 1.0 mm/m.

Length in cm	40	50	60	80
Order no.	666 040	666 050	666 060	666 080
Price				

665S/665



Heavy-weight aluminium die-cast level with two milled measuring surfaces. Orange powder coating. Very high torsion-resistance. Grip holes for easy handling. Also available with 2 vials (in 40 and 60 cm) as 665. Measuring accuracy in normal position 1.0 mm/m.

Length in cm	40	60	80
Order no.	665 040	665 060	
Price			
Order no.		665 060 S	665 080 S
Price			

602 LEVELTRONIC 2000

With the BMI LEVELTRONIC 2000 the times are over where you wished you had three hands and four eyes. Especially in difficult situations it plays on its advantages: during single-handed operation, when mounting heavy or spacious parts, in bad visibility or when working without direct eye contact. This adds to quality, time-savings and safety in the workshop. Measuring accuracy in normal position 0.5 mm/m.

Delivery: in sturdy translucent 2-part threaded plastic tube. Batteries are included in the scope of delivery

Sturdy powder coated aluminium profile with milled measuring surface.

It can also be used conventionally with the vertical and horizontal vial.

Optical signal: Measurements can be taken in the darkness with 2 red and 1 green LED which indicate left or right deviation or "zero position".

Acoustic signal: Measurements can even be taken without eye contact with the aid of a switch-operated buzzer for "zero position".



Length in cm	60	80
Order no.	602 060	602 080
Price		



Indicates green within the range of ± 0.5 mm/m

601 Incl Tronic plus

Incli Tronic measures angles electronically and displays them in a digital mode. The measuring processor can be calibrated within seconds.

- Measuring angles in degree or per cent at the touch of a button
- Measurement display in 0.1° or 0.1 % steps.
- Arrows in the display indicate, in which direction the Incl Tronic is to be moved, in order to reach 0° or 90° position.
- By pressing the HOLD key, the current measurement value can be saved.
- Switch-operated buzzer for 0° or 90° position.

Delivery: in sturdy translucent 2-part threaded plastic tube. Batteries are included in the scope of delivery.

It can also be used conventionally with the vertical and horizontal vial.

Electronic inclinometer
Accuracy at 0° and 90° $\pm 0.1^\circ$
Accuracy at 1° to 89° $\pm 0.3^\circ$
Battery: E-block 9 Volt 6LR61.
Very long operating period by big capacity of the batteries

Sturdy powder-coated aluminium profile with milled measuring surface.

Also available with laser module
Order no. 652 060 635 EW



Length in cm	60	80	120	180
Order no.	601 060	601 080	601 120	601 180
Price				

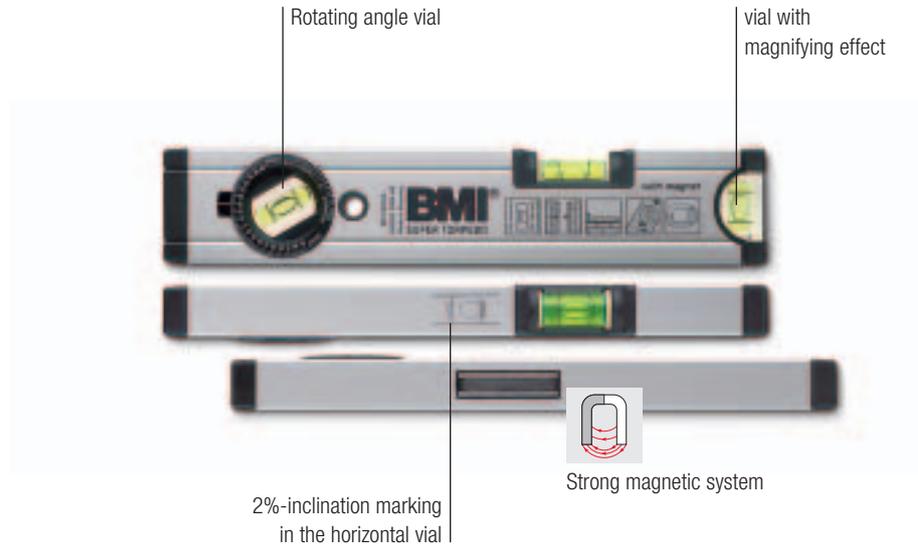


Measurement display in degrees or %

Special Spirit Levels

SUPERTORPEDO

This 25 cm small spirit level is a true "all-rounder" and fits in any tool box. It has a rotating vial in addition to a magnetic system for transferring angles. The horizontal vial has an additional marking for a 2% inclination.



Length in cm	25
Order no.	692 025 TWM-US
Price	

640 Transmission Level

Prismatically milled base, scraped faces, 1 horizontal and 1 vertical vial.
Lengths 160 mm/200 mm/
250 mm/300 mm.



Length in cm	160	200	250	300
Order no.	640 04160	640 04200	640 04250	640 04300
Sensitivity 0.04 mm/m				
Price				
Order no.	640 10160	640 10200	640 10250	640 10300
Sensitivity 0.1 mm/m				
Price				
Order no.	640 30160	640 30200	640 30250	640 30300
Sensitivity 0.3 mm/m				
Price				

Special Purpose Levels

645 Inclination Level

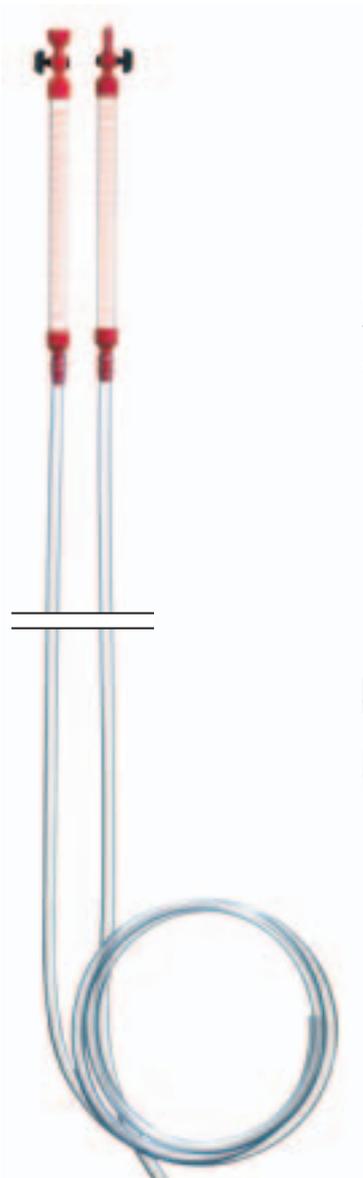
Sturdy aluminium die-cast design with milled measuring face. Surface with orange powder coating. Rotating vial body with % and degree scale to transfer inclinations. Length 50 cm.



Length in cm	50
Order no.	645 050
Price	

689 SW

Hose level for an easy conversion of heights into distances (according to hose length). Plexiglass tube with cm-graduation, sturdy plastic fittings. Height 330 mm, reading height 150 mm, diameter approx. 20 mm.



Order no.	689 SW 20
Price	

647 S

Transparent PVC hose matching 689 SW, diameter 10 mm.

Length in m	10	20	30	50
Order no.	647 S 10	647 S 10	647 S 10	647 S 10
Price				

Special Purpose Levels

680 Vials



Bulls-eye vial, \varnothing 14 x 8 mm
Order no. 680 014 D
Price:



Bulls-eye vial, \varnothing 40 x 10 mm
Order no. 680 040 D
Price:



Bulls-eye vial in aluminium frame,
 \varnothing 30 x 11 mm
Order no. 680 030 DFM
Price:



Bulls-eye vial in plastic frame,
 \varnothing 30 x 11 mm
Order no. 680 030 DFK
Price:



Bulls-eye vial with plastic flange,
 \varnothing 80 x 12 mm
Order no. 680 080 DFK
Price:



Vial 36 x 15 x 15 mm
Order no. 680 035
Price:



Vial 55 x 15 x 15 mm
Order no. 680 055
Price:



Vial \varnothing 15 x 36 mm
Order no. 680 036 R
Price:



Vial 34 x 22 x 14 mm
Order no. 680 034
Price:



Vial 100 x 15 x 15 mm
Order no. 680 100
Price:

Plastic Spirit Levels

670 POCKET

High-impact plastic pocket level.
Plexiglass vials for horizontal and vertical measuring.
Dimensions 100 x 35 x 13 mm.
Self service packing.
Packing unit: 10 items

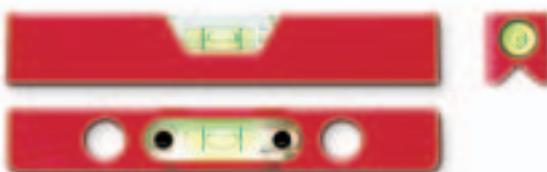


Order no. 670 010 003

Price

671 NIVELLE

Pocket level made of high-impact ABS. Prismatic measuring plane.
Plexiglass vial.
Dimensions: 150 x 25 x 23 mm.
Self service packing.
Packing unit: 10 items

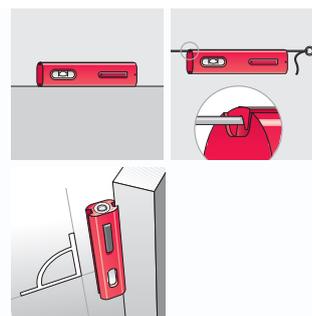


Order no. 671 015 003

Price

675 LINE-LEVEL

Line level made of ABS with clip.
Eyelet to hook on to a levelling line, plexiglass vials.
Dimensions: 120 x 29 x 17 mm.
Self service packing.
Packing unit: 10 items

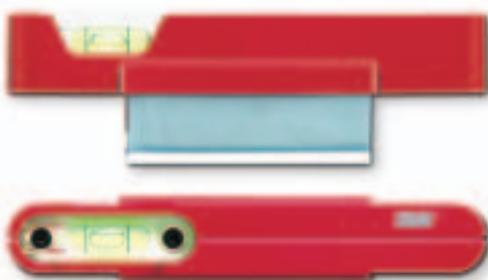


Order no. 675 012 003

Price

676 Clamp-On Level

Clamp-on plastic level. Spring bands ensure safe fixing e.g. on straight battens. Plexiglass vial.
Dimensions: 150 x 25 x 23 mm.
Self service packing.
Packing unit: 10 items



Order no. 676 015 003

Price

673/674M TRIVELLE

Torpedo level with 3 vials for horizontal, vertical and 45° measurements.

Dimensions: 200 x 42 x 17 mm.

Also available with powerful magnetic strip (674 M).

Self service packing.

Packing unit: 10 items

Order no. 673 020 003 674 020 003 M

Price



also available with magnet

682 INKLINAT

Inclination level with horizontal vial.

Additional rotating vial to transfer inclinations.

Drawing aid for 45°, 60° and 120°, with mm-graduation at the measuring plane.

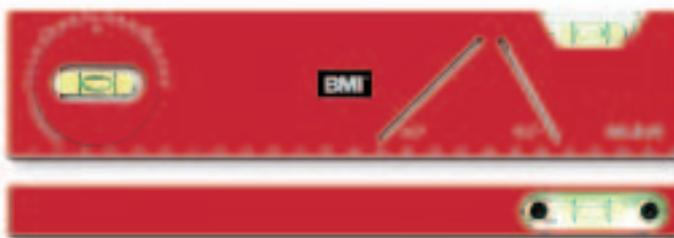
Dimensions: 255 x 55 x 19 mm,

Self service packing.

Unit: 10 items

Order no. 682 025 003

Price



683/684M UNIVERSAL

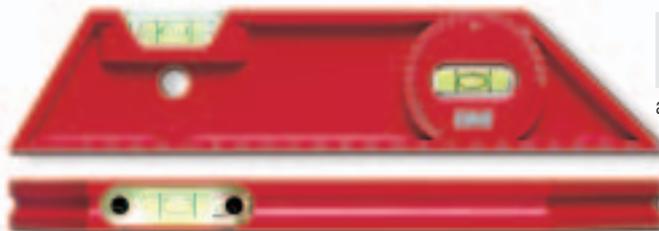
Inclination level with horizontal vial. Additional rotating vial to transfer inclinations. Drawing aid for 45°, 60° and 120°, with mm- graduation at the measuring plane. Also available with powerful magnetic strips (684 M).

Dimensions: 250 x 54 x 15 mm.

Self service packing. Packing unit: 10 items

Order no. 683 025 003 684 025 003 M

Price



also available with magnet

685/685M TORPEDO

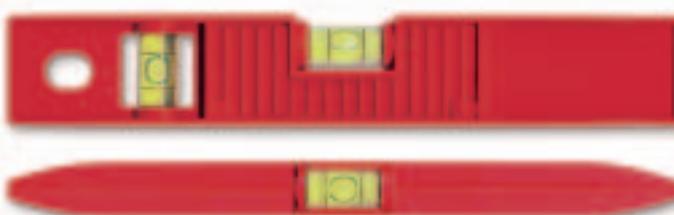
Sturdy spirit levels made of reinforced fibre glass ABS- plastic. Round vials allows good readability. Magnet execution (685M) equipped with two strong disk magnets.

Dimensions: 250 x 43 x 22 mm.

Packing unit: 10 pieces

Order no. 685 025 003 685 025 003 M

Price



also available with magnet

Aluminium Screeding Levels H- and Trapezoid-shaped Profiles

Please note: minimum order quantity 5 items for lengths from 2 m up

689 WL

Straight-edge made of aluminium profile. No vial.
Box section approx. 100 x 18 mm.



Length in cm	Order no.	Price
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 aluminium profile with 1 horizontal and 1 vertical vial.
Box section approx. 100 x 18 mm.



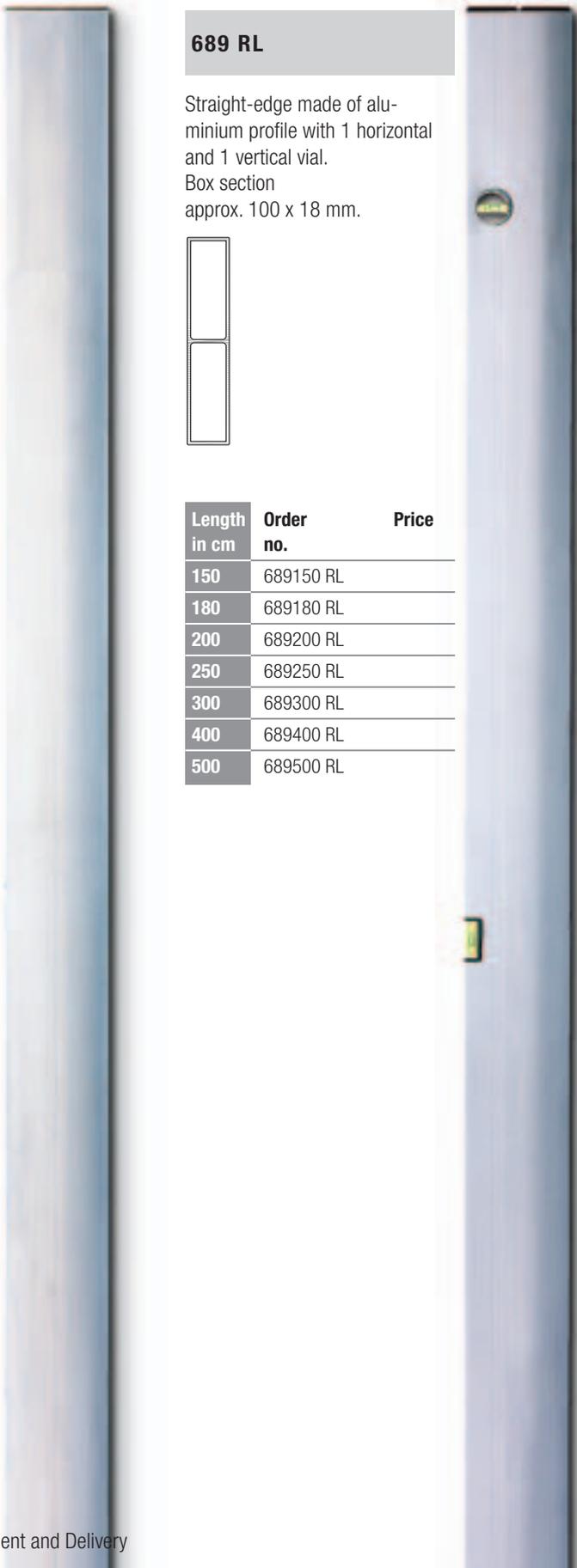
Length in cm	Order no.	Price
150	689150 RL	
180	689180 RL	
200	689200 RL	
250	689250 RL	
300	689300 RL	
400	689400 RL	
500	689500 RL	

689 RS

Straight-edge made of aluminium profile with 1 horizontal and 1 vertical vial. Box section approx. 100 x 18 mm with hand holds for easy handling.

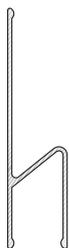


Length in cm	Order no.	Price
150	689150 RS	
180	689180 RS	
200	689200 RS	
250	689250 RS	
300	689300 RS	
400	689400 RS	
500	689500 RS	



689 HK

For special applications, made of so-called H-profile.
With reinforcement bead.
Box section approx. 114 x 27 mm.



Length in cm	Order no.	Price
150	689150 HK	
180	689180 HK	
200	689200 HK	
250	689250 HK	
300	689300 HK	
400	689400 HK	

689 TK

Trapezoid-shaped aluminium profile.
Box section approx. 98 x 18 mm.



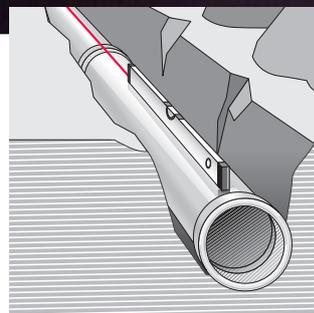
Length in cm	Order no.	Price
150	689150 TK	
180	689180 TK	
200	689200 TK	
250	689250 TK	
300	689300 TK	
400	689400 TK	



This is how BMI LASER technology facilitates your work:

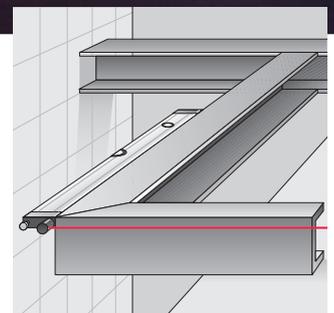
BMI laser systems are suitable for a wide range of measuring, alignment and levelling tasks.

Some basic applications are exemplified here:



The laser beam replaces the levelling line for

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



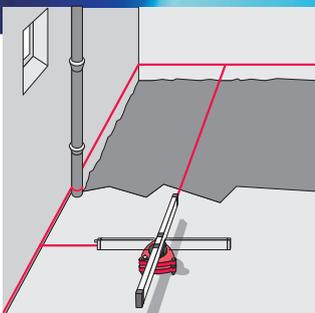
Determine right angles without other tools and auxiliary constructions when

- Installing partitions
- Installing floors and platforms
- Checking angles of fabrications and steelwork

In 1994, BMI was the first to present laser levelling systems for trade and industry. The program has been continuously advanced and today, the user is offered ingenious, practical devices. From laser levels with useful accessories and levelling sets up to fully automatic rotating laser systems, BMI provides the perfect product for your application. The advantage – then and now – has always been the tremendous time efficiency of these single-hand operated levelling systems.

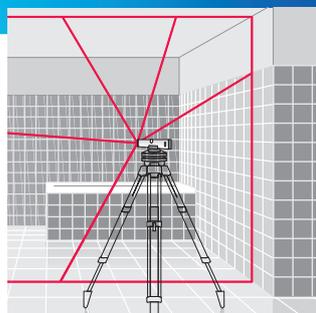
ADVANTAGES

- BMI LASER technology complies with international safety standards; all devices conform to laser class 2; power output < 1 mW.
- BMI LASER technology is robust, suited to the workshop and has been developed for practical application.
- BMI LASER technology offers service at first hand.



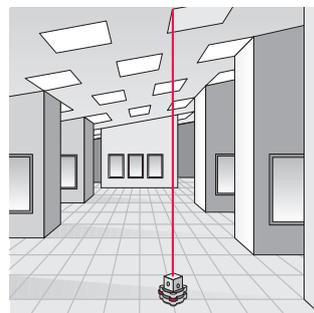
Save time-consuming measurements in the horizontal plane when

- Installing ceilings
- Marking the correct height of electrical outlets and switches
- Marking the upper line of tiled areas



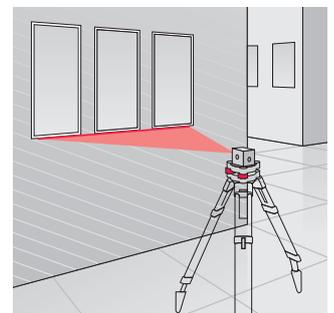
Save time-consuming measurements in the vertical plane when

- Installing partitions
- Installing display windows
- Establishing tiling columns



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

- Installing ceiling lighting
- Mounting conductor rails
- Installing fittings for ceiling panels



The line laser replaces the snap line when

- Mounting advertising billboards
- Ensuring the correct horizontal alignment of tiles
- Hanging up posters and pictures

LASER Levelling Technology

LASERBOY II

Clamp-on laser unit for easy handling, which turns every spirit level or straight-edge with a profile of 18 - 24 mm width into a laser level. 2 brass knurled screws ensure a tight connection. The device has a vial of its own (mounting accuracy 0.5 mm/m). Thus the Laserboy II can also be used for stand-alone operation. The parallelism of the beam axis is 0.2 mm/m in relation to the bearing surface. A 3/8 inch thread allows attachment on a video tripod. High-impact glass fibre reinforced case. The LASERBOY II offers the option to use deflecting or beam splitting prisms. Delivery: in cardboard box or blister packed display card.

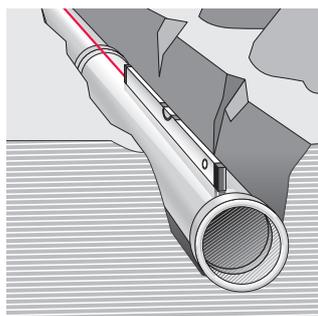
Technical Data:

- Class 2, output < 1 mW
- Wavelength 670 nm
- Range approx. 30 m
- 2 x 1.5 V batteries (LR03 Micro)
- reverse battery protected
- 8 hours continuous light
- Dust and splash-water protected
- Dimensions L/W/H approx. 165 x 55 x 45 mm

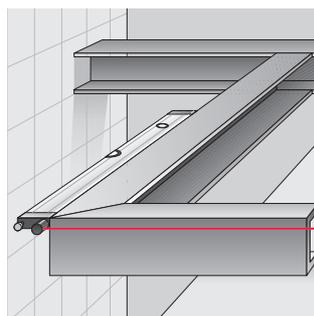
Batteries are included in the scope of deliver



Length	165 mm
Order no.	649 015
Price	



Basic application possible without accessories



Accessories:

Beam deflecting prism and adapter. For basic application: setting up right angle

Order no. 708 19 52
Price



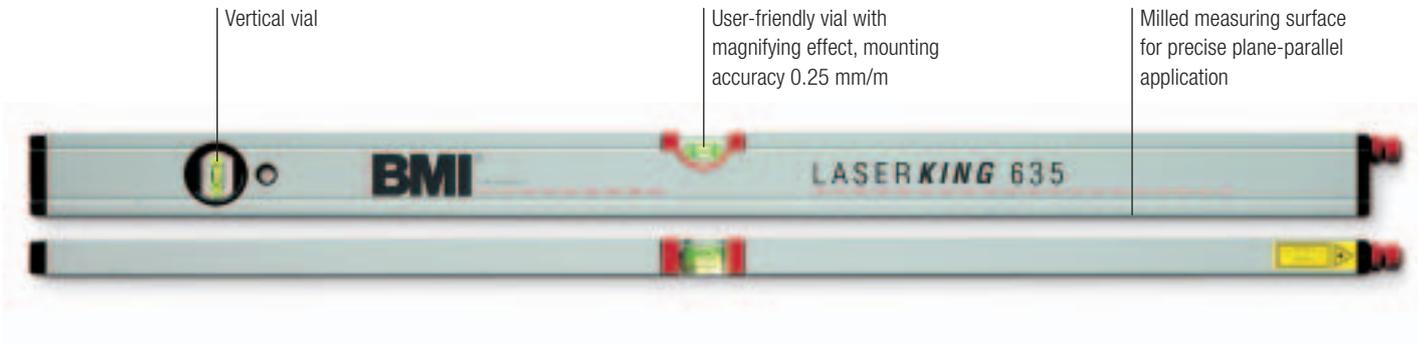
Accessories:

90° beam splitting prism
90 % of the light are deflected by 90°, 10 % are emitted alongside the beam axis.

Accuracy 0.15 mm/m
Order no. 7081955
Price



LASERKING



Vertical vial

User-friendly vial with magnifying effect, mounting accuracy 0.25 mm/m

Milled measuring surface for precise plane-parallel application

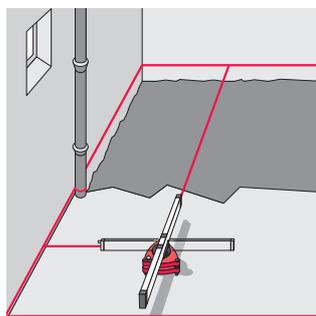
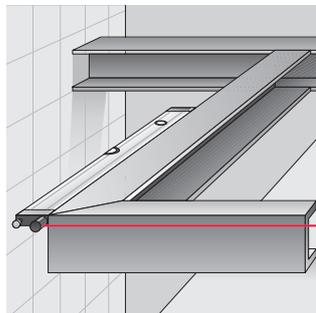
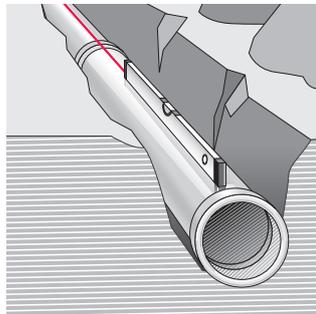
Laserking 670/Laserking 635:

Laser level made of aluminium profile, grey powder coating, with milled measuring surface. Available in two laser wavelengths: with 670 nm or 635 nm. A beam of the 635 nm wavelength is about 10 times better visible to the human eye than a beam of the 670 nm wavelength. The laser module is designed for use on the construction site and has therefore been cast into the aluminium profile. The parallelism of the beam axis is 0.1 mm/m in relation to the measuring plane. The mounting tolerance of the horizontal vial is 0.25 mm/m. All LASERKING models can optionally be used with deflecting or beam splitting prisms. A built-in magnetic system ensures safe fixing on the BMI levelling platform. Delivery: in sturdy, translucent two-part threaded plastic tube.

Technical Data:

- Class 2, output < 1 mW
- 670 or 635 nm wavelength
- Ranges approx. 30 m (670 nm), and 50 m (635 nm)
- 2 x 1.5 V batteries (LR03 Micro)
- reverse batteries protection
- 8 hours continuous light
- dust and splash-water protected
- Length: 80 cm

Batteries are included in the scope of deliver



Basic application possible without accessories

Length in cm	80	80
Order no.	670	635
Price		

Accessories:

Beam deflecting prism and adapter. For basic application: setting up right angle!
Order no. 708 19 52
Price



Accessories:

90° beam splitting prism 90% of the light are deflected by 90°, 10% are emitted alongside the beam axis. Accuracy 0.15 mm/m
Order no. 7081955
Price



Accessories:

Compact levelling platform. For basic application: measuring horizontal plane!
Order no. 711 329
Price



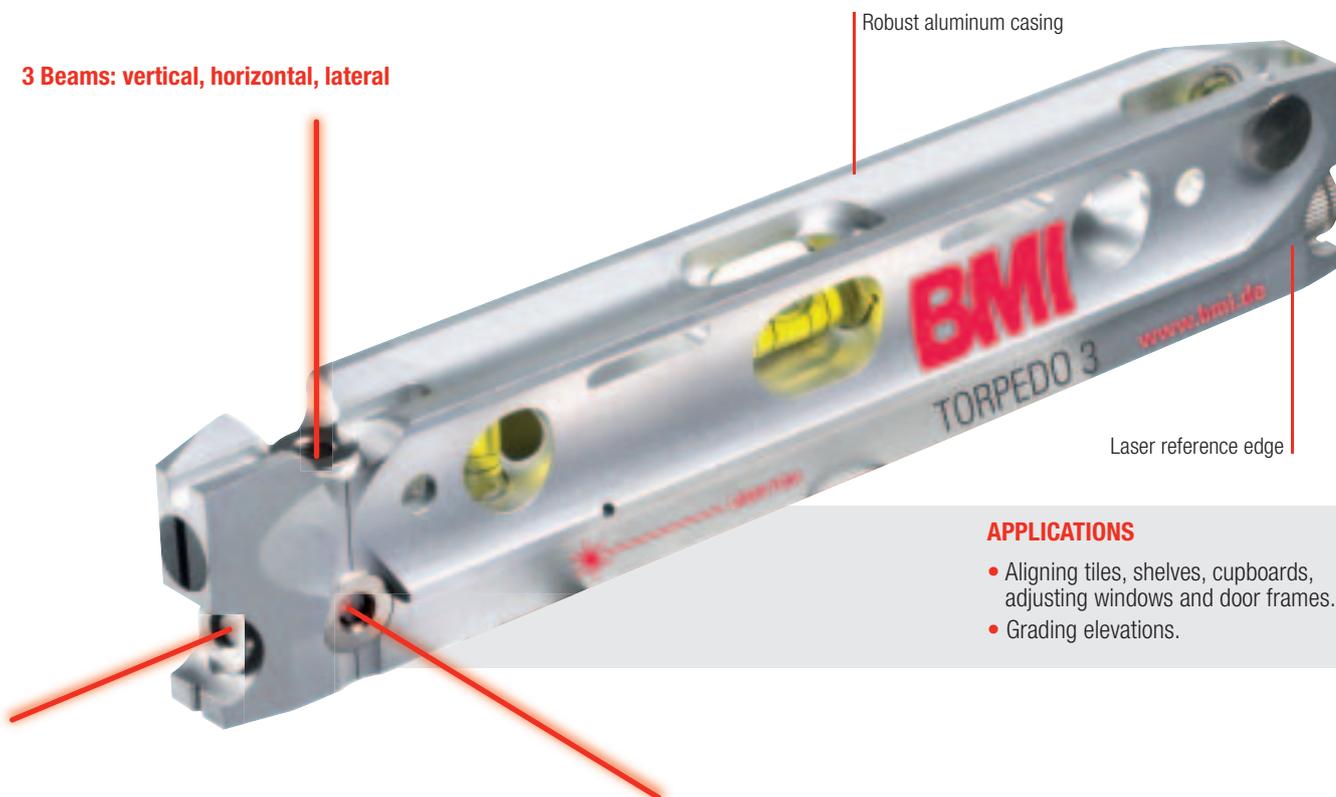
3-BEAM-LASER TORPEDO 3

- Time-saving precision laser tool.
- Robust aluminium casing.
- Strong magnets in the measuring surface.
- Easy to use.

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

Order no.: 650 024 635 M-SET

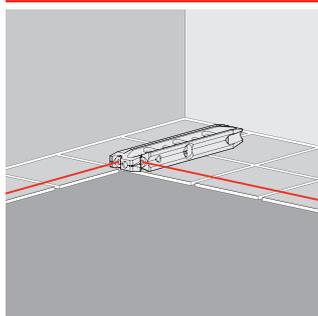
3 Beams: vertical, horizontal, lateral



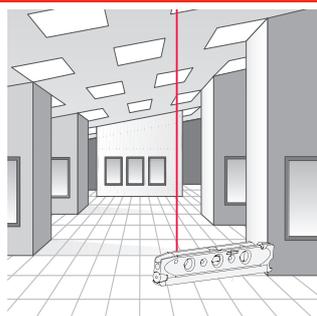
APPLICATIONS

- Aligning tiles, shelves, cupboards, adjusting windows and door frames.
- Grading elevations.

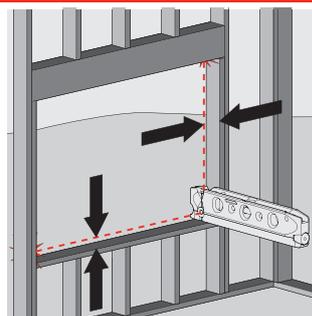
and it can help you do all the following ...



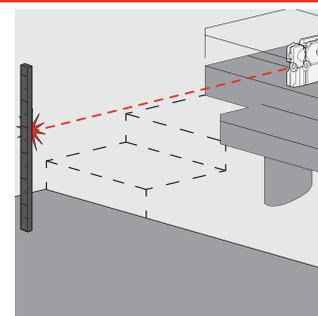
Aligning tiles



Plumb beam



90° angles



Grading elevations

Technical Data TORPEDO 3

Type of Laser	red diode laser, wavelength 635 nm
Output	laser class 2
Manual leveling	3 bubble vials
Leveling-platform	
Accuracy	± 6 mm/20 m
Range	up to 30 m

Power Supply	3 x 1.5 V batteries size AAA LR03A
Tripod connection size	1/4"
Operating temperature	-10° C to 50° C
Casing	dust, dirt and waterproof
Dimensions	240 x 25 x 45 mm
Weight	415 g

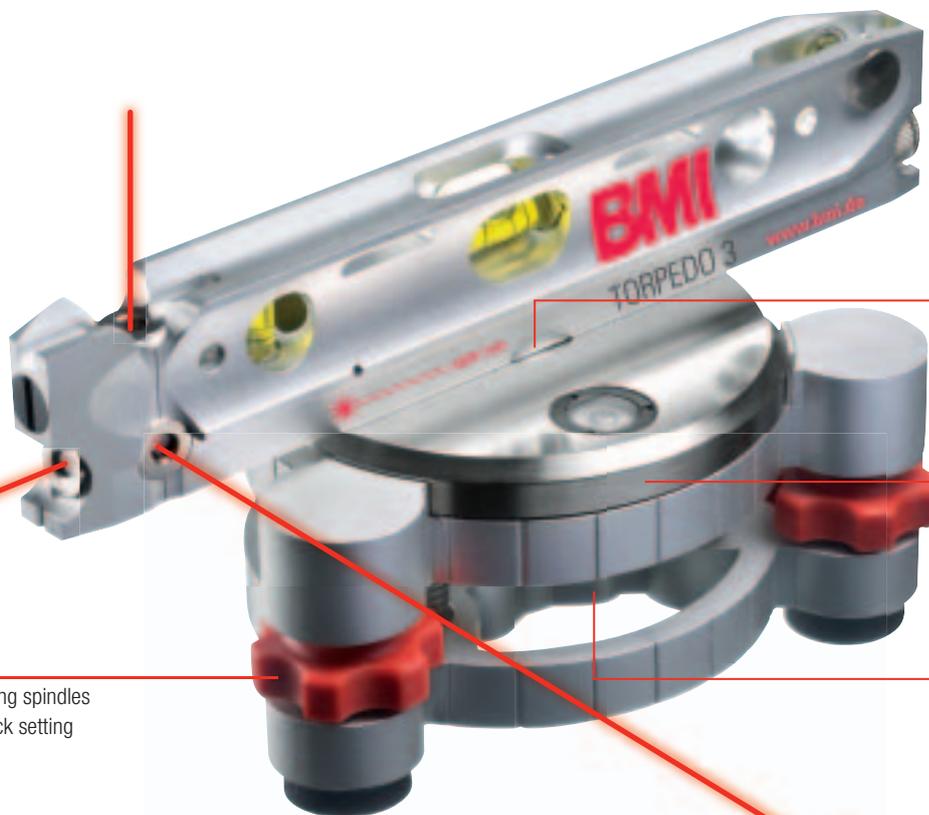
3-BEAM-LASER-SET TORPEDO 3 leveling-set

- TORPEDO 3.
- Rotating metal-leveling-platform.
- 90° angle prism.
- Laser enhancement spectacles.

- Plastic carrying case.
- Batteries included.

Order no.: 650 040 635 COMP

BMI



Strong magnets for safe mounting on the rotating disc



Rotating, ball bearing-supported disc

Adjusting spindles for quick setting

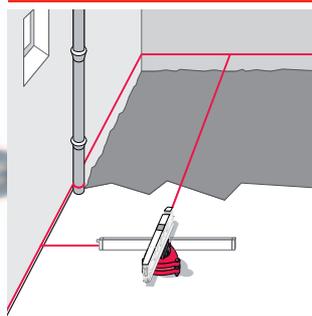
Tripod connection size 1/4", 3/8" and 5/8"

Adjustment and control in one glance owing to the precise circular level

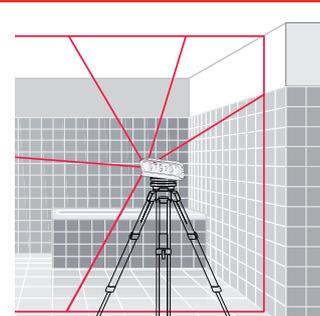
Detection brake on the leveling tip for stopping the rotating disc

Deflecting prism for projecting vertical views

and In Addition it can help you do all the following ...



Reference markings



Vertical view



set includes TORPEDO 3

- TORPEDO 3
- 3-Beam-Laser.
- Metal-leveling-platform
- For quick setting of horizontal lines.
 - Heavy, metal design.
 - Using on the floor or on a tripod.
- 90° angle prism
- Pentagonal prism, deflects the laser beam by 90°.

- Laser enhancement spectacles
- Making the laser dot clearly visible in unfavorable light conditions.
- Plastic carrying case
- Dimensions 450 x 300 x 160 mm.
- Set weight: 2.1 kg

CROSSLINE LASER self-leveling autoCROSS 2

- Self-leveling crossline laser.
- Vertical and horizontal lines can be switched on separately.
- Can be used as optical chalk line.
- Complete in a bag.
- Batteries included.

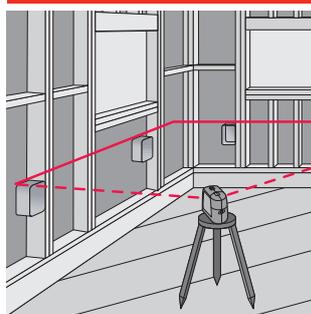
Order no.: 654 7715/2

Super High Visibility Beams

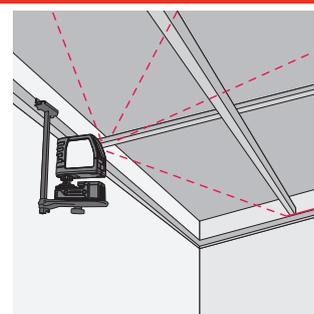


An aperture angle of 140° vertical and 120° horizontal gives you extraordinary line lengths.

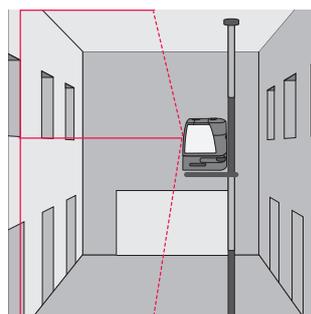
and it can help you do all the following ...



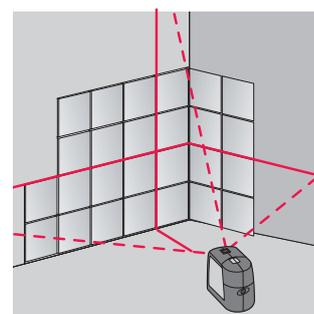
Markings for floors, electrical...



...and drop ceilings



Plumb line (carpentry)



Cross line to align tiles etc.

- **Self-leveling mechanism** – eliminates set up time and guarantees accuracy by using a magnetically subdued pendulum.
- **Automatic out-of-level sensing** – by blinking laser beam.
- **Locked line angle** – take unit out of self-leveling mode and lock line in place allowing you to set unit at any angle.
- **Multipurpose attachment accessory** – with strong magnets, tripod mount and straps: set up 45° angles on all lines and rotate 360°.

Technical Data autoCROSS 2

Type of laser	red diode laser, wavelength 635 nm
Output	laser class 2
Leveling	automatic (pendulum)
Self-leveling-range	± 4°
Accuracy	± 3 mm/10 m
Range	up to 30 m, based on brightness
Power supply	3 x 1.5 V batteries size AA LR6
Aperture angle	140° vertical and 120° horizontal
Out-of-level indicator	blinking laser lines
Tripod connection size	1/4"
Operating temperature	-10° C to 50° C
Storage temperature	-20° C to 70° C
Dimensions	110 x 54 x 90 mm

Technical Data Adapter

Tripod connection size	1/4" sowie 5/8"
Attachment	magnets, straps, tripod
Swivel/tilt angle range	of 45° in all directions and rotation range of 360°
Dimensions	110 x 54 x 54 mm
Set Weight	770 g

5-BEAM-LASER self-leveling vectorMAT 5

- **Motor-driven**, self-leveling 5-beam-laser.
- With upward and downward plumb line.
- The beams are not vibrate when there are shakes.
- 5 beams at the same time.
- Laser enhancement spectacles.

- Multi-purpose attachment accessory.
- Plastic carrying case.
- Batteries included.

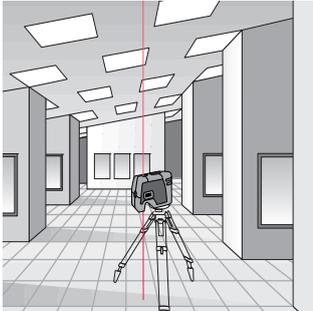
Order no.: 655 7610/5E

5 beams at the same time

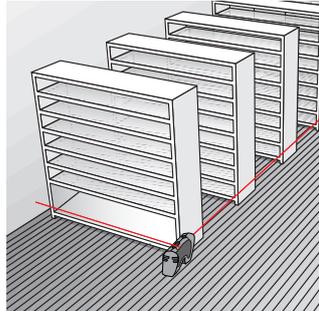


- Upright and downright plumb line.
- 90° angle beam.

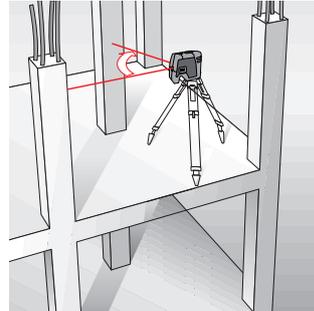
and it can help you do all the following ...



Plumb line up and down



90° angle



Dot relays

Technical Data

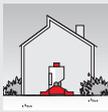
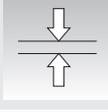
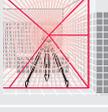
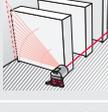
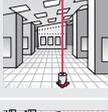
Type of laser	red diode laser, wavelength 635 nm
Output	laser class 2
Leveling	fully automatic (motor function)
Accuracy	± 6 mm/30 m
Range	up to 60 m, based on brightness
Power supply	4 x 1.5 V batteries size AA LR6
Tripod connection size	5/8"
Operating temperature	-10° C to 50° C
Dimensions	140 x 100 x 64 mm
Casing	dustproof, dirt-proof and waterproof

Technical Data Adapter

Tripod connection size	1/4", 5/8"
Fastening	magnets, straps, tripod
Dimensions	50 x 85 x 64 mm
Set Weight	1,7 kg

Which construction laser for which application?

Make your choice!

	Features	topoMAT	Nautilus
	Protection against water	✓ Rainproof according to IP 55	✓ Waterproof according to IP 67
	Indoor-application	✓ Range with receiver Ø 300 m	✓ Range with receiver Ø 300 m
	Outdoor-application	✓ Range with receiver Ø 300 m	✓ Range with receiver Ø 300 m
	Power supply	3 batteries 1,5V mono LR20	Line powered and accumulator (Ni-MH)
	Electronic Safety Program	✓ Shock-monitored by ESP	✓ Shock-monitored by ESP
	Accuracy	± 2,6 mm / 30 m	± 2,6 mm / 30 m
	All-taken-care-of-package	3-year-warranty First inspection included Help in case of defects	3-year-warranty First inspection included Help in case of defects
	Vertical levelling	✓	
	Continuous inclination	✓	
	Right angle 90°	✓	
	Plumb line	✓	
	Horizontal levelling	✓	✓
	Remote control	✓	
	Visible line	✓	

Construction Laser (waterproof/horizontal)

NAUTILUS IPX7

- Does not know what "bad weather" means
- Use it under severe conditions on the construction site
- Set it up, switch it on and begin (single-button-control)
- Robust, accurate and safe by means of ESP (Electronic Safety Program)
- Line-powered or accumulator

Order no.: 648 03 AH SET

BMI



Electronic Safety Program:

automatic laser stop
in case of shocks or changes
in position



Robust aluminium casing

Shock protection with a
circulating plastic shock absorber



With rechargeable battery
(Ni-MH; without memory effect)



Waterproof IP67 compliant



Waterproof
IP67 compliant

Photodiode hand receiver to
ensure optimum functioning of
the laser within a working
range up to a distance of 150 m

- Acoustic and optical receiving signal
- LCD display at the front side for easy and practical handling

The complete set with the practical carrying bag:

- NAUTILUS IPX7.
- Receiver with staff clamp
- Charging set
- Operating instruction
- Accumulator set (Ni-MH) and batteries for the receiver



THE ALL-TAKEN-CARE-OF-PACKAGE:

- 3-year-warranty
- Original inspection included
- Quick help in case of defects

Technical Data

Type of laser	red diode laser, wave length 650 nm
Output	< 1 mw; laser class 2
Self-levelling range	approx. $\pm 4^\circ$ corresponds to $\pm 6\%$
Levelling accuracy	± 2.6 mm/30 m
Levelling time	< 30 sec.
Operating range	-10° C to 50° C
Range	300 m \varnothing with receiver
Speed	600 rotations/min.
Power supply	line-powered or accumulator (Ni-MH) 4 x 1.2 V Baby, size A, LR 14
Service life	50 hrs

Protective system	waterproof IP 67 compliant
Tripod connection size	5/8 inch (tripod)
Dimensions	ca. 170 x 170 x 220 mm
Weight	2.5 kg

Receiver

Range	150 m
Protective system	waterproof IP 67 compliant
Power supply	2 x 1.5 Volt Mignon AA LR6
Service life	according to usage

CONSTRUCTION LASER self-leveling (rainproof/horizontal/vertical/remote control)

topoMAT IPX5

- Needs no more than one person to take care of leveling jobs!
- Efficient, automatic and safe in all situations.
- A universal leveling system for various jobs.



THE ALL-TAKEN-CARE-OF-PACKAGE:

- 3-year-warranty
- Original inspection included
- Quick help in case of defects

Precision and safety:

- As a result of the automatic self-leveling function with an accuracy of $\pm 2,6$ mm/30 m
- Automatic laserstop function in case of impact or other changes of position.



Electronic Safety Program



Photodiode hand receiver to ensure optimum functioning of the laser within a working range up to a distance of 150 m

- Acoustic and optical receiving signal
- LCD display at the front side for easy and practical handling

Laser operating modes:

- Rotation – with 600, 300 and 100 rotations per minute – to choose the optimum task-suited rotation speed!
- Line-mode – with settings of 15, 30, or 45 degrees – to create visible laser lines or different lengths especially inside buildings!
- Dot-line mode – to the right or left – optional for the slow or fast retracing of laser dots or laser lines – function can be enabled directly at the laser or via remote control!
- Permanent angle through the firmly connected beam splitting prism.



Rainproof IP55 compliant



Waterproof IP67 compliant

Automatic self-levelling:

Requires only rough setting with the help of the built-in bulls-eye vial

Far-reaching infra-red remote control for every laser operating mode



The electronic inclination measure allows fast measuring of inclinations between 0 and 90 degrees. The angle measure is detachable and can be used solo.

The topoMAT is also available without the inclinometer.



Set-Order no.: 648 02N SET **incl.** inclinometer
Set-Order no. topoMAT IPX5: 648 02B SET **without** inclinometer
Order no. inclinometer: 648 10 Z

No time-consuming modification:

Fast **variable** changing from horizontal to vertical operation with lockable 90° tilting joint

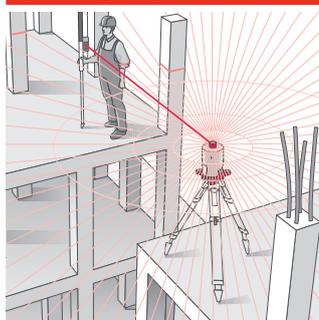


Complete laser set comes in robust storage and transport case:

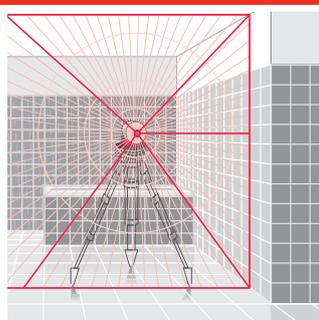
- Rotating laser topoMAT IPX5
- Electronic inclinometer
- Remote control
- Hand receiver
- Wall bracket
- Clamp for telescopic levelling staff
- Diagrammed operating manual
- Batteries are included in the scope of delivery



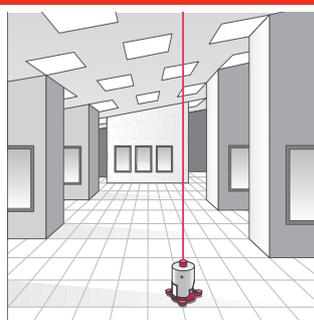
Operating range



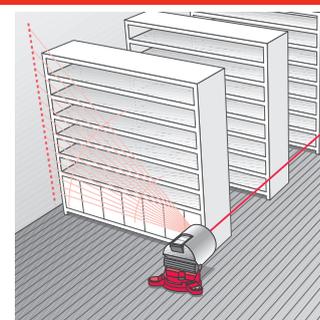
Horizontal plane



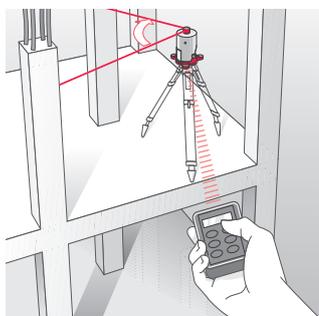
Vertical plane



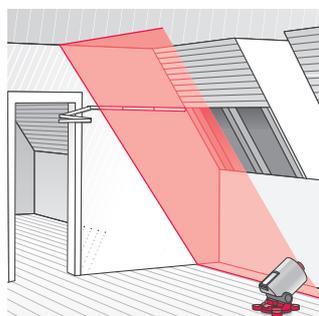
Plumb line



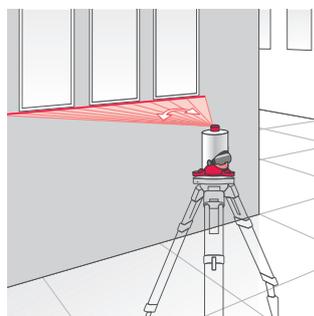
90° angle



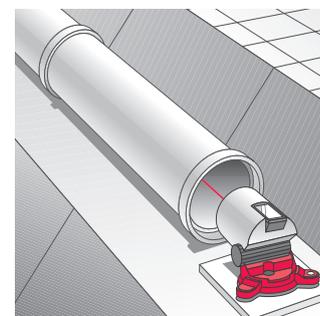
Spot projection



Inclinations



Line projection



Working along the beam

Technical Data topoMAT ipx5

Type of laser	Red diode laser, wavelength 635 nm
Output	< 1mW, Laser class 2
Self-levelling range	approx. ± 4° corresponds to approx. ± 6%
Levelling accuracy	± 2,6 mm/30 m
Levelling time	typically < 30 sec.
Laser range	300 m diameter with detector
Speed	600/300/100 rotations per min
Lines	Scanning function with 15°, 30° and 45° spreading
Remote control. dot/line	slow and fast left/right
Power supply	3 x 1.5 Volt Mono LR 20
Operating period	approx. 70 hours
Operating period	IP55, rainproof
Tripod connection size	5/8 inch (surveyor's tripod)

Weight	2.3 kg
Dimensions	approx. 200 x 200 x 250 mm

Remote Control	
Range	up to 50 m depending on position in direction of receiver lens
Power supply	9 V block 6 LR61
Operating period	depending on the degree of utilization

Receiver	
Range	approx. 150 m
Degree of protection	IP67, waterproof
Power supply	2 x 1,5 Volt Mignon AA LR6
Operating period	depending on the degree of utilization

Crank-Operated Tripod

- Especially recommended for the rotating laser topoMAT and NAUTILUS
- Sturdy light metal design
- Ground spikes
- Circular bubble
- Connecting thread 5/8 inch
- min. length 112 cm, max. length 242 cm
- Crank lift 350mm
- Weight 5760 g

Order no.: 711 312

A min. height of less than 1 m incl. the topoMAT tripod itself can be reached.



Surveyor's Tripod

- Sturdy light metal design
- Ground spikes
- Connecting thread 5/8 inch
- Min. length 105 cm, max. length 160 cm
- Weight 5860 g

Order no.: 711 317

Surveyor's Tripod (no illustration)

- Sturdy light metal design
- Ground spikes
- Connecting thread 5/8 inch
- min. length 58 cm, max. length 85 cm
- Weight 3920 g

Order no.: 711 315

Other tripod designs on request!



Photo Tripod

- Robust photo tripod recommended for Torpedo 3 and autoCROSS 2.
- Tripod connection size 1/4".
- 3-D tip made of metal.
- Vials.
- Operating height of 310 to 1440 mm.
- Weight 1020 g.

Order no.: 711 212-01



Laser Enhancement Spectacles

- Make the laser dot clearly visible in unfavourable light conditions.

Order no.: 711 330

Telescopic Levelling Staff

- Made of aluminium profile
- Box section 20 x 30 mm
- Extends from 130 cm (51") to 240 cm (94")
- The telescopic levelling staff allows to read height differences algebraically correct.

Order no.: 705 213 00

Can be especially recommended for the rotating laser topoMAT!



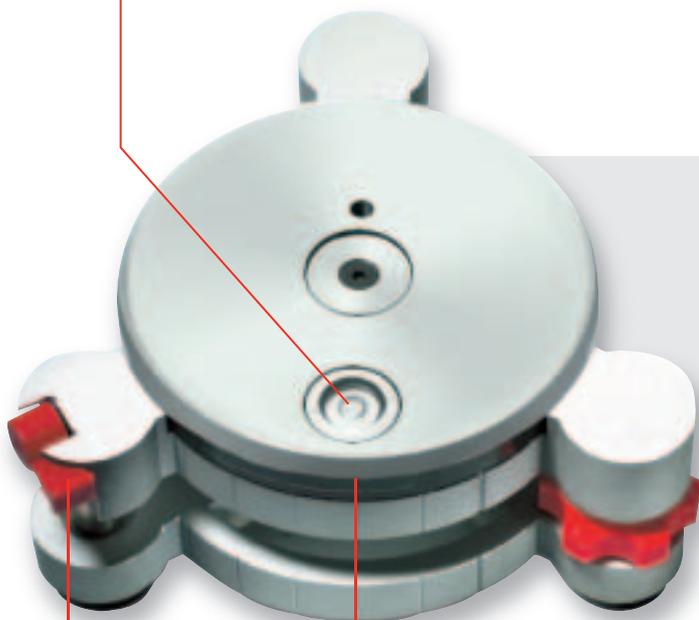
Control and align at one glance using precise circular bubbles

Compact-Levelling Platform

- For the quick and precise measurement of horizontal planes
- Hold all kinds of BMI laser levels
- Heavy-weight metal design
- Quick adjustment with 2 knurled screws.
- The device can be used as a stand-alone unit on the floor or on a tripod. (1/4, 3/8 and 5/8inch thread)

Order no.: 711 329

A spring bracket to fasten laser levels without magnets or other manufacturer's is included in the scope of delivery.



Emergency brake



Levelling platform with ball bearing

LASER-Distance Measuring

Leica DISTO™

The entire DISTO family is available !

- Small and very handy
- Incredible time-saving during measurements.

Order no. Leica DISTO™ A2: 658 060/A2

Order no. Leica DISTO™ A3: 658 100/A3

Order no. Leica DISTO™ A5: 658 200/A5

Order no. Leica DISTO™ A6: 658 200/A6

Order no. Leica DISTO™ A8: 658 200/A8



Leica DISTO™ A2



Leica DISTO™ A3



Leica DISTO™ A5



Leica DISTO™ A6



Leica DISTO™ A8

Technical Data

	Leica DISTO™ A2	Leica DISTO™ A3	Leica DISTO™ A5	Leica DISTO™ A6	Leica DISTO™ A8
Accuracy of measurement typically	± 1.5 mm	± 1.5 mm	± 2 mm	± 1.5 mm	± 1.5 mm
Range	0.05 m to 60 m	0.05 m to 100 m	0.05 m to 200 m	0.05 m to 200 m	0.05 m to 200 m
Power Range Technology™		•	•	•	•
Minimum and maximum measurement		•	•	•	•
Permanent measurement	•	•	•	•	•
Addition/Subtraktion	•	•	•	•	•
Planimetry and volume meter	•	•	•	•	•
Cubic measure calculation			•	•	•
Indirect measurement using Pythagoras			•	•	•
Indirect measurement using inclinometer					•
Built-in telescopic viewer			•	•	digital targeting with triple zoom
Storing of the constants			1	1	1
Polling of the most recent measurements		19	20	20	30
Autotimer			•	•	•
Free software, data interface				Yes, Bluetooth™	
Multifunctional end-piece			•	•	•
Built-in vial		•	•	•	•
Tripod connection size			•	•	•
Power supply	9 V Block	2 x 1.5 V Typ AAA	2 x 1.5 V Typ AA	2 x 1.5 V Typ AA	2 x 1.5 V Typ AA
Type of protection			rainproof and dustproof, IP54 compliant		
Dimensions	124 x 54 x 35 mm	135 x 45 x 21 mm	148 x 64 x 36 mm	148 x 64 x 36 mm	148 x 64 x 36 mm
Weight (incl. batteries)	155 g	145 g	241 g	270 g	280 g

Levelling Instrument (automatic/optic)

Builder's level

- Automatic self-levelling.
- Very short target distance.
- Additional rough sighting.

Instrument with box
Instrument with box, tripod, tenimeter

Order no.: 646 2024
Order no.: 646 2024 SET

BMI

Box

- Dimensions 270 x 170 x 180 mm.
- Weight 1.7 kg.



**Waterproof IP67
compliant**

Completely equipped including the box:

- Upright parting picture.
- Horizontal circle 400 gon
- Big and handy operating buttons
- Horizontal circle made of metal behind the glass.
- Continuous antagonistic spring control with resilience.
- Overwind protection of the focusing.
- Circular bubble for rough adjustment.
- Dimensions 220 x 135 x 135 mm.
- Weight 1.9 kg.



Technical Data Telescope

Magnification	x 24
Lens opening	36 mm
Length	200 mm
Shortest target distance	0.6 m
cm-estimate	150 m
Mid km-error	± 2.5 mm
Compensator	magnet
Dimensions	220 x 135 x 135 mm
Weight	1.9 kg

Technical Data Horizontal circle

Diameter	110 mm
Graduation	0 – 400 gon
Numbering	1 gon



Rules and folding rules made of wood, plastic or metal still are the measuring instruments in trade and industry for longitudinal measuring. For different applications with regard to precision, or to certain impacts, like humidity and heat, BMI always offers the right measure for you.

ADVANTAGES

Wooden folding rules

- Strong quality beechwood
- High breaking resistance
- Strong joint spring give the BMI rule a long life and good handling features
- Joints with permanent greasing
- Durable varnish

Plastic folding rules

- Precisely embossed graduation lay-out
- Resistant to many environmental impacts

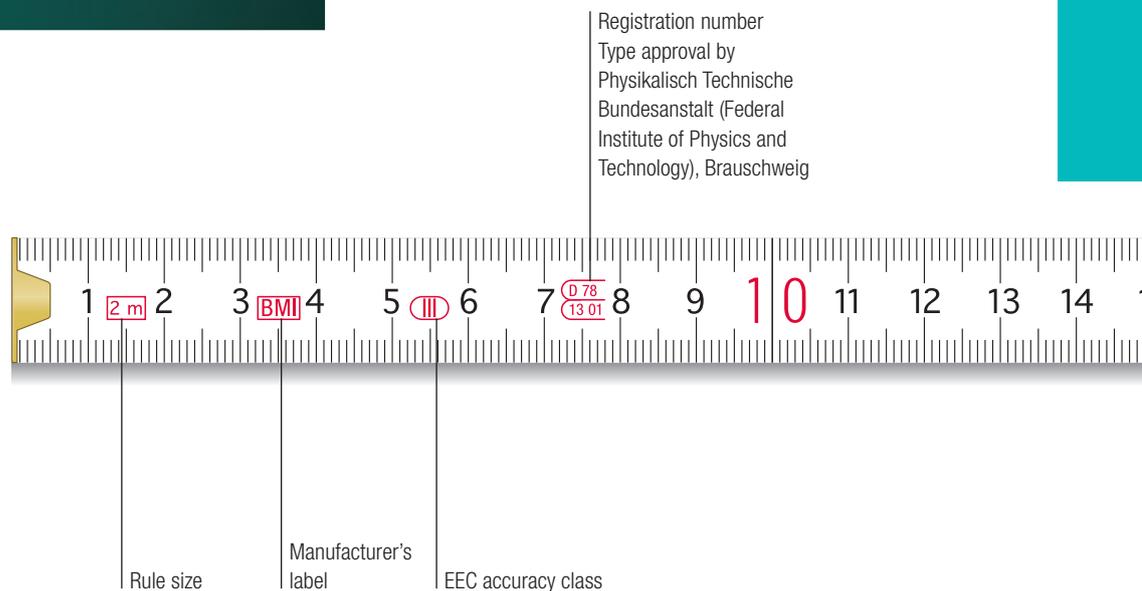
Aluminium folding rules

- Good stand
- High accuracy (EC II)
- Excellent readability
- Resistant to many environmental impacts and heat

Flexible and rigid rules

- Rustless
- High accuracy (EC II)
- Signed, anti-abrasive graduation

You can spot quality rules from these imprints:



From null to two metres in one second!

QUICKY

The folding rule is compact...
QUICKY is more compact

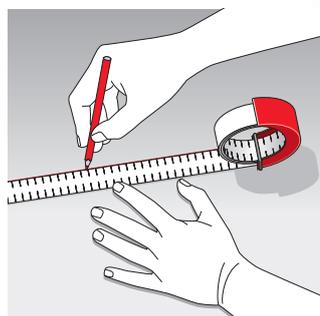
The folding rule is robust...
QUICKY is more robust

The folding rule is accurate...
QUICKY is more accurate

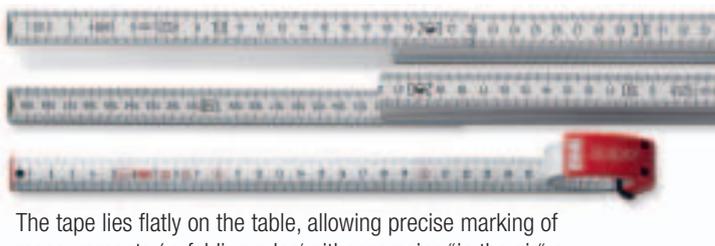
This „cool“ piece is unique in the market!

Due to a special treatment of the refined steel tape, the tape **unrolls on its own**, activated by a short hands' movement.

A rubber ring at the lower end of the tape frame supports the **go** or **stop**, depending on the position of the hand holding the frame.



The unrolled tape always has a continuous straight edge, therefore Quicky is ideal for drawing continuous lines.



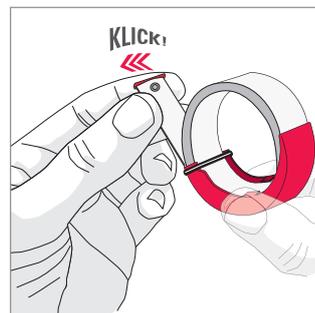
The tape lies flatly on the table, allowing precise marking of measurements (a folding rules' either remains "in the air" or has to be read inverted).

Technical details:

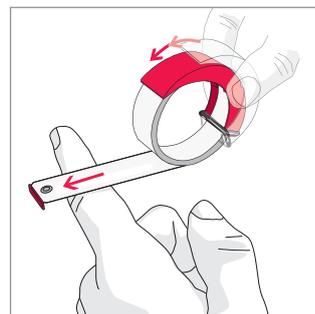
- Refined steel tape, white enamelled
- absolutely waterproof
- 2 m long and 16 mm wide
- Accuracy according EC class II



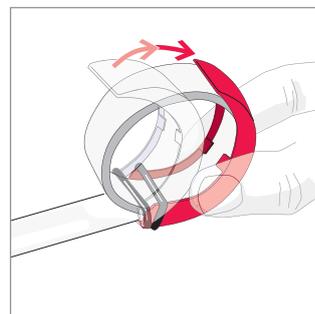
This is how it works:



Ready...



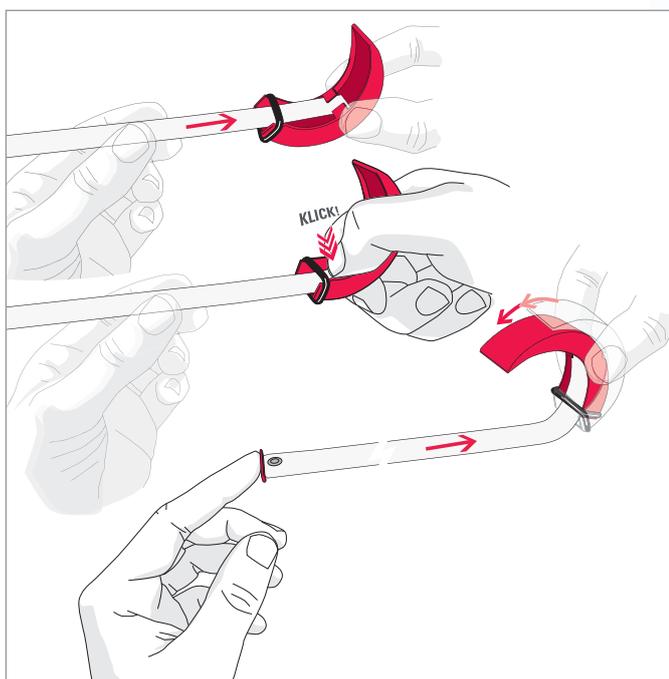
Turn the frame counter-clockwise: Tape rolls out on its own



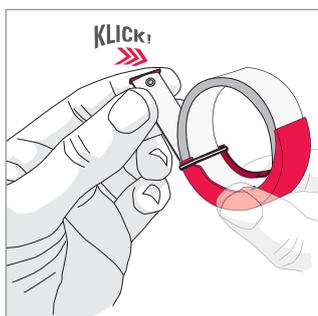
Turn the frame back clockwise: Tape stops

Length	2 m	2 m/79"
Graduation	mm	mm/inch
Width	16 mm	16 mm
Order no.	428 24 1030	428 25 1030
Price		

incl. Blister-packaging



Insert tape and reload



Save!

**“QUICKY in action“
on www.bmi.de!**

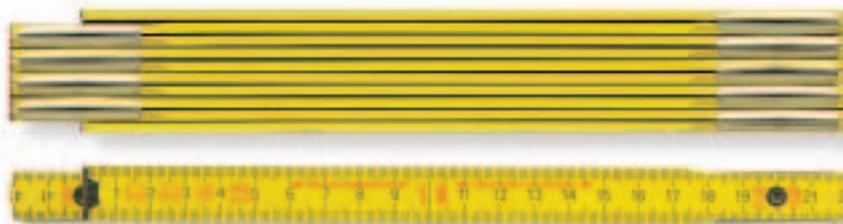


...rolls out on its own!

Wooden Rules

9002/9042/9052

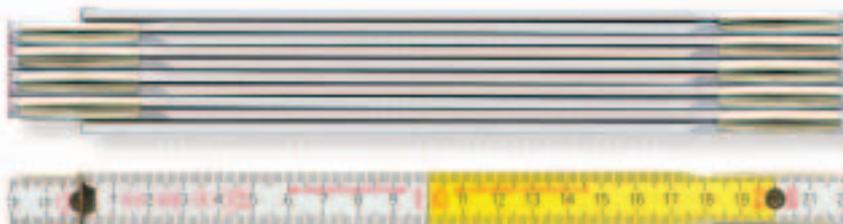
Beechwood folding rule*, section thickness 3.0 mm, section height 16 mm, no. of sections 10, riveted and brass-plated spring joints ensure permanent dimensional accuracy. 2 m length with duplex graduation. Also available in length of 1 m with 6 sections. Packing unit: 50 items



	2 m yellow	2 m yellow, calibr.	1 m yellow	2 m white	2 m nature	2 m white	front mm, rear inch-graduation
Order no.	972 9002 00	972 9002 00 GE	971 9001 00	980 9042 00	981 9052 00	980 9042 13	
Price							

9802

Beechwood folding rule*, section thickness 3.0 mm, section height 16 mm, no. of sections 10, riveted and brass-plated spring joints ensure permanent dimensional accuracy. Colour change of the graduation from white to yellow in decimal steps. Packing unit: 50 items.



	2 m white/yellow
Order no.	982 9802 00
Price	

9062

Beechwood folding rule*, section thickness 3.0 mm, section height 16 mm, no. of sections 10, concealed riveted joint springs made of stable plastic narrow-folding riveted spring joints for **especially effective advertising imprints**. White varnish, 2 m length with duplex graduation. Packing unit: 50 items.



	2 m white
Order no.	978 9062 00
Price	

9072

Equal to 9082, but without dip-dyed lacquer. Degree scale on joint of first rule section. White varnish, 2 m length with Duplex graduation. 50 items.



	2 m white
Order no.	976 9072 00
Price	

The internal joints provide a continuous straight edge when unfolded.

* All wooden rules in EC accuracy class III.

9082

Beech wood folding rule, section thickness 3,0 mm, height 16 mm, no. of sections 10, fatigue-free internal joint springs. **The internal joints allow a continuous straight edge when unfolded.** White varnish, 2 m length with Duplex-graduation. Packing unit: 50 items



	2 m white
Order no.	977 9082 00
Price	

The internal joints provide a continuous straight edge when unfolded.

9142

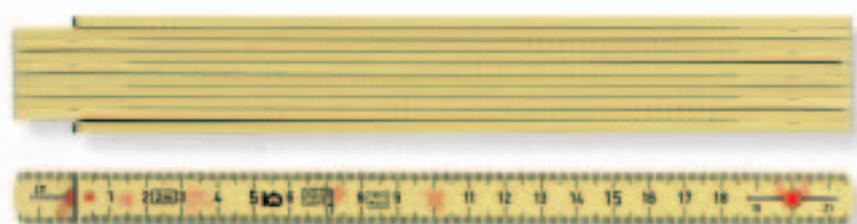
Folding rule for the highest requirements, made of 3,3 mm beech wood, section height 16 mm, no. of sections 10, internal rivets allow good readability, the internal joint plates allow narrow-folding, the colour change from white to yellow is in decimal steps, 2 m length in Duplex-graduation. Packing unit: 50 items



	2 m white/yellow
Order no.	984 9142 00
Price	

9902

Plastic folding rule "LONGLIFE", made of yellow glassfibre reinforced polyamide, joints latch in right angle. Graduation (Ec III) with red decimal digits. Imprint on the rear runs in the opposite direction for convenient reading in unfavourable working conditions (1 m/2 m). Packing unit: 10 items.



	2 m white <small>section height 16 mm, no. of sections 10</small>	1 m white <small>section height 13 mm, no. of sections 10</small>
Order no.	936 9902 00	935 9901 00
Price		

1042

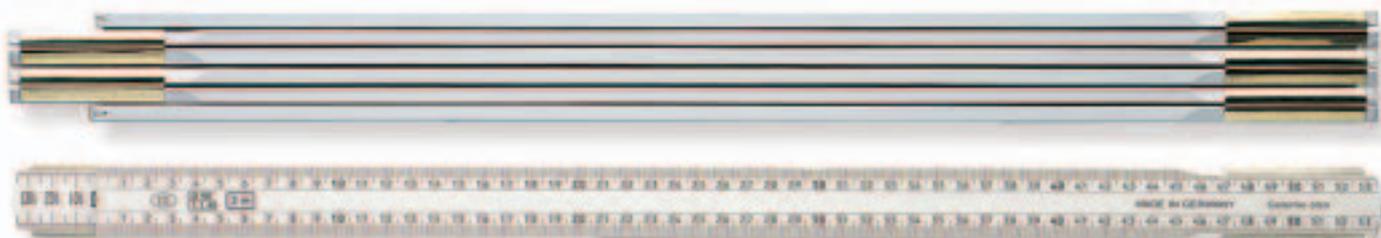
White plastic folding rule (EG III) with black graduations, riveted metal spring joints (1 m/2 m/3 m), Packing unit: 10 items.



	2 m white <small>section height 16 mm, no. of sections 10</small>	1 m white <small>section height 13 mm, no. of sections 10</small>
Order no.	943 1042 00	941 1041 00
Price		

Wooden Rules in oversize of 3m and 4m

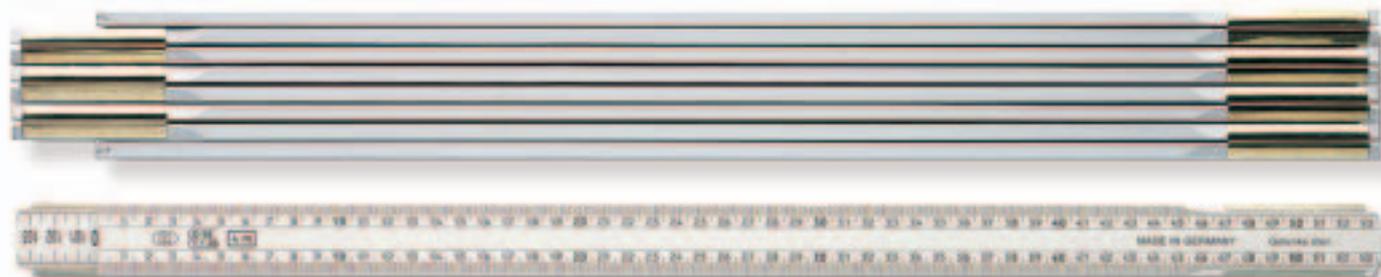
9003



Wooden folding rule in **3 m size**, section thickness 6.5 mm, section height 30 mm, length of sections 50 cm, very robust design, concealed rivets, front and rear with mm-graduation running in opposite direction.

	3 m white	section height 30 mm, no. of sections 6
Order no.	973 9003 00	
Price		

9004



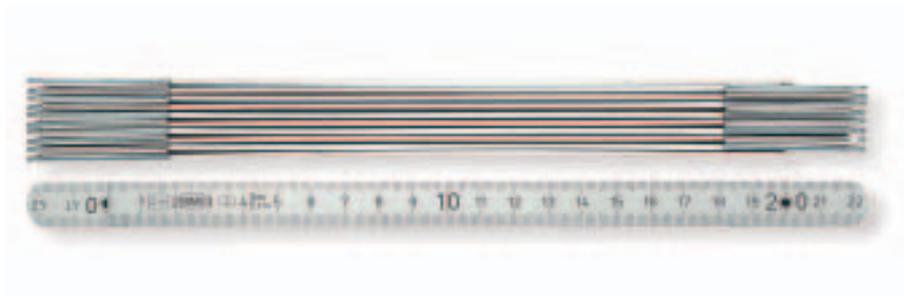
Wooden folding rule in **4 m size**, section thickness 6.5 mm, section height 30 mm, length of sections 50 cm, very robust design, concealed rivets, front and rear with mm-graduation running in opposite direction.

	3 m white	section height 30 mm, no. of sections 8
Order no.	973 9004 00	
Price		

Metal Rules

530MF/531MF/ 620MF/621MF

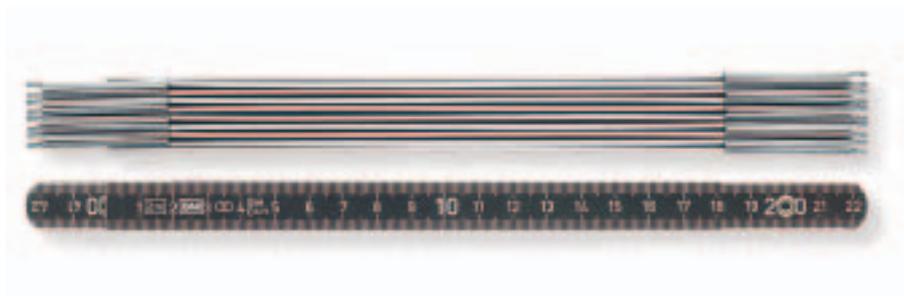
Cold-hammered special aluminium alloy, nature-coloured, 1.4 mm thick, section height 14 mm. Digits and graduations deep etched and laid out black. The rule has precision-latching, nickel-plated steel springs. Rounded edges. EC accuracy class II.



	620MF 2 m mm-graduation	621MF 2 m mm/inch-graduation	620MF 2 m mm-graduation calibrated	530MFS 1 m mm-graduation	531MF 1 m mm-graduation
Order no.	961 62221	961 62222	961 62221 GE	961 53121	961 53122
Price					

620MFS

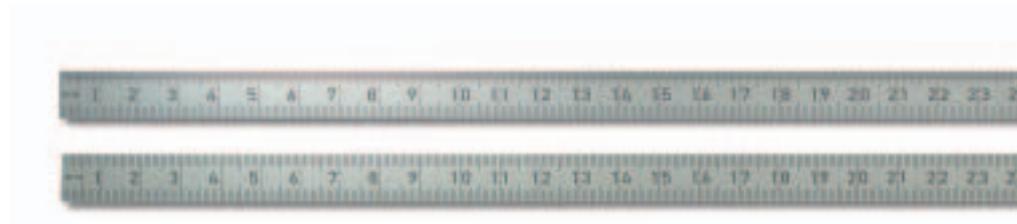
Cold-hammered special aluminium alloy, black anodized, 1.4 mm strong, section height 14 mm. Digits and graduations are deep etched and appear white on black ground. This extremely weather-resistant surface allows non-reflective reading. The rule has precision-latching nickel-plated steel springs. Rounded edges. EC accuracy class II.



	620MFS 2 m mm-graduation	621MFS 2 m mm/inch-graduation	620MFS 2 m mm-graduation calibrated	530MFS 1 m mm-graduation	531MFS 1 m mm/inch-graduation
Order no.	961 62211	961 62212	961 62211 GE	961 53111	961 53112
Price					

962

Flexible steel measuring rules made of **stainless**, hard-rolled spring band steel. For graduations available see matrix. Ultra-modern manufacturing processes ensure sharp graduation contours. The graduation is largely anti-abrasive, and withstands chemicals, grease and oil. Its matt finish allows good reading. Rounded edges. EC accuracy class for metric graduation.



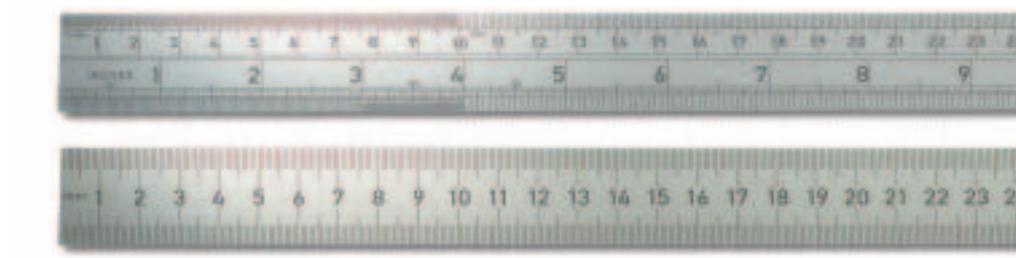
With additional graduation on the rear on request.

Order no.	Length in mm	Price	Inch	Cross section in mm*	Graduation top edge	Graduation bottom edge
962 110 R	100		4	13 x 0,5	1/2 mm	1/1 mm
962 110 SR	100		4	13 x 0,5	1/1 mm	1/1 mm
962 111 R	100		4	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 115 R	150		6	13 x 0,5	1/2 mm	1/1 mm
962 115 SR	150		6	13 x 0,5	1/1 mm	1/1 mm
962 116 R	150		6	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 120 R	200		8	13 x 0,5	1/2 mm	1/1 mm
962 120 SR	200		8	13 x 0,5	1/1 mm	1/1 mm
962 121 R	200		8	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 125 R	250		10	13 x 0,5	1/2 mm	1/1 mm
962 125 SR	250		10	13 x 0,5	1/1 mm	1/1 mm
962 126 R	250		10	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 130 R	300		12	13 x 0,5	1/2 mm	1/1 mm
962 130 SR	300		12	13 x 0,5	1/1 mm	1/1 mm
962 131 R	300		12	13 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 140 R	400		16	18 x 0,5	1/2 mm	1/1 mm
962 150 R	500		20	18 x 0,5	1/2 mm	1/1 mm
962 150 SR	500		20	18 x 0,5	1/1 mm	1/1 mm
962 151 R	500		20	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 1100 R	1000		39	18 x 0,5	1/2 mm	1/1 mm
962 1100 SR	1000		39	18 x 0,5	1/1 mm	1/1 mm
962 1101 R	1000		39	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 1150 R	1500		59	18 x 0,5	1/2 mm	1/1 mm
962 1150 SR	1500		59	18 x 0,5	1/1 mm	1/1 mm
962 1151 R	1500		59	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 1200 R	2000		78	18 x 0,5	1/2 mm	1/1 mm
962 1200 SR	2000		78	18 x 0,5	1/1 mm	1/1 mm
962 1201 R	2000		78	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm
962 1300 R	3000		00	18 x 0,5	1/2 mm	1/1 mm
962 1300 SR	3000		00	18 x 0,5	1/1 mm	1/1 mm
962 1301 R	3000		00	18 x 0,5	1/16, 1/32, 1/64"	1/2, 1/1 mm

* Tolerance of widths $\pm 0,5\text{mm}$

966

Rigid steel measuring rules made of **stainless**, hard-rolled spring band steel. For graduations available see matrix. Ultra-modern manufacturing processes ensure sharp graduation contours. The graduation is largely anti-abrasive, and withstands chemicals, grease and oil. Its matt finish allows good reading. Rounded edges. EC accuracy class for metric graduation.



With additional graduation on the rear on request.

Order no.	Length in mm	Price	Inch	Cross section in mm*	Graduation top edge	Graduation bottom edge
966206 R	150		6	18 x 0,5	1/2, 1/1 mm	1/16, 1/32, 1/64"
966212 R	300		12	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966220 R	500		20	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966224 R	600		24	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966240 R	1000		39	30 x 1,0	1/2, 1/1 mm	1/16, 1/32, 1/64"
966138 R	300		12	30 x 1,0	1/1 mm	1/1 mm
966153 R	500		20	30 x 1,0	1/1 mm	1/1 mm
966163 R	600		24	30 x 1,0	1/1 mm	1/1 mm
9661130 R	1000		39	30 x 1,0	1/1 mm	1/1 mm
9661130 H	1000		39	30 x 1,0	1/2 mm	1/1 mm
9661530 H	1500		59	30 x 1,0	1/2 mm	1/1 mm
9662030 H	2000		78	30 x 1,0	1/2 mm	1/1 mm
9663030 H	3000		00	30 x 1,0	1/2 mm	1/1 mm

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

Precision Measuring Equipment

760/761 Vernier Calipers

Calipers with locking screw or instantaneous clamp, according to DIN 862, made of stainless steel, satin-chromed graduation, 4-fold measurement, with thread table, in an artificial leather case.



Order no.	Price	measuring range mm	reading mm	reading Inch	jaw length mm	remark
760 150		150	0,05	1/128	40	
760 200		200	0,05	1/128	40	
760 150 R		150	0,05	1/128	40	round depth indicator
761 150		150	0,05	1/128	40	with clamp
761 200		200	0,05	1/128	40	with clamp

762 Dial Caliper

According to DIN 862, made of stainless steel, satin-chromed graduation, 4-fold measurement, with thread table, in the artificial leather case.



Order no.	Price	measuring range mm	reading mm	jaw length mm
762 150 002		150	0,02	40
762 200 002		200	0,02	50
762 150 001		150	0,01	40
762 150 001		200	0,01	50

770 Digital Caliper

Digital caliper with LCD-display 11 mm, with data outlet, according to DIN 862, display in mm and inch, made of stainless steel, satin-chromed graduation, 4-fold measurement, with locking screw, with thread table,



including replacement battery, in the plastic box.

Order no.	Price	measuring range mm	reading mm	reading Inch	jaw length mm
770 150		150	0,01	0,0005	40
770 200		200	0,01	0,0005	50

763 Depth Gauge

Depth gauge with straight or with clamp measuring rod, according to DIN 862, made of stainless steel, satin-chromed graduation, with locking screw, in the artificial leather case.



Order no.	Price	measuring range mm	reading mm	bridging length mm	remark
763 150		150	0,05	100	
763 200		200	0,05	100	
763 150 H		150	0,05	100	with clamp
763 200 H		200	0,05	100	with clamp
763 150 DH		150	0,05	100	with double clamp
763 200 DH		200	0,05	100	with double clamp

773 Digital Depth Gauge

Digital depth gauge with straight or with clamp measuring rod, with data outlet, display in mm and inch, made of stainless steel, satin-chromed graduation, with locking screw, with thread table, including replacement battery, in a plastic box.



Order no.	Price	measuring range mm	reading mm	reading inch	bridging length mm
773 150		150	0,01	0,0005	100
773 200		200	0,01	0,0005	100
773 150 H		150	0,01	0,0005	100 with hook
773 200 H		200	0,01	0,0005	100 with hook

Precision Measuring Equipment

765 External Micrometer

According to DIN 863, satin-chromed, spindle Ø 6,5 mm, measuring surface made of hardened alloy, insulating hand protection, locking lever, ratchet, in a plastic box.



Order no.	Price	measuring range mm	reading mm	spindle Ø mm
765 000 025		0-25	0,01	6,5
765 025 050		25-50	0,01	6,5
765 050 075		50-55	0,01	6,5
765 075 100		75-100	0,01	6,5
765 100 125		100-125	0,01	6,5
765 125 150		125-150	0,01	6,5
765 150 175		150-175	0,01	6,5
765 175 200		175-200	0,01	6,5
765 200 225		200-225	0,01	6,5
765 225 250		225-250	0,01	6,5
765 250 275		250-275	0,01	6,5
765 275 300		275-300	0,01	6,5

775 Digital Micrometer

With data outlet, according to DIN 863/1, display in mm and inch, spindle Ø 6,5 mm, measuring surface made of hardened alloy, insulating hand protection, locking lever, ratchet, in a plastic box.



Order no.	Price	measuring range mm	reading mm	reading inch	spindle Ø mm
775 025		0-25	0,001	0,00005	6,5
775 050		25-50	0,001	0,00005	6,5

766 Precision Dial Gauges

Adjustable tolerance marks,
1/100-reading, clamp Ø 8mm h6



Order no.	Price	measuring range mm	reading mm	Scale	clock Ø mm
766 010		10	0,01	0-100	58
766 030		30	0,01	0-100	58
766 050		50	0,01	0-100	78

776 Digital Dial Gauge

With data outlet, clamp-Ø 8mm h6,
display in mm and inch, in a plastic box



Order no.	Price	measuring range mm	reading mm	Scale	clock Ø mm
776 010 001		0-12,5	0,01	0,0005	58
776 012 0001		0-10	0,001	0,00005	58

767 Dial Test Indicator

1/100-reading, measuring range each direction 0,8 or 0,2 mm,
palpation arm 15 mm, clamp-Ø 6 mm h6 and 8 mm h6,
body frame Ø 32 or 40 mm, satin-chromed body frame, in a plastic box



Order no.	Price	measuring range mm	reading mm	clock Ø mm
767 08		0,8	0,01	32
767 02		0,2	0,002	32

766 Bore Gauge

Firm measuring gauge made of steel, moveable measuring gauge made of hardened alloy, with dial gauge, in a wooden box

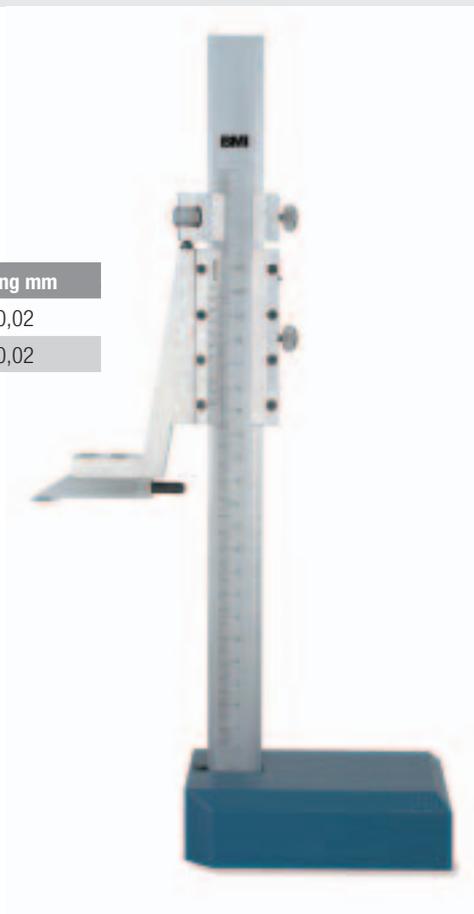


Order no.	Price	measuring range mm	depth of measurement	reading mm
766 018 035 I		18-35	100	0,01
766 035 050 I		35-50	150	0,01
766 050 160 I		50-160	150	0,01
766 160 250 I		160-250	250	0,01
766 250 450 I		250-450	250	0,01
766 018 160 I-Set		18-160	150	0,01

781 Marking Gauge

Vernier and graduation satin-chromed, marking pin made of hardened alloy, in a wooden box

Order no.	Price	measuring range mm	reading mm
781 200		200	0,02
781 300		300	0,02



780 Magnetic Base for Dial Gauges

With fine adjustment, magnetic foot with an on/off switch, bars chromium plated, mounting holes Ø 8 mm

Order no.	Price	Height mm	Linkage Ø mm
780 240 012		240	12
780 280 016		280	16

769 Straight Edge

According to DIN 874, accuracy 00, made of stainless steel, with a plastic isolating grip, in a case



Order no.	Price	length mm
769 075		75
769 100		100
769 125		125
769 150		150
769 200		200
769 300		300

768 Protractor

Protractor with locking screw, satin-chromed graduation, in the case



Order no.	Price	Ø scale mm	leg length mm
768 080 120		80	120
768 120 150		120	150
768 150 200		150	200
768 200 250		200	250

Quadrانfix



2 removable steel points

Robust, light alloy profile, powder-coated

Angle position can be fixed by locking screw

With the Quadrانfix it is very easy to measure or transfer angles. Just place and read from the clock or the LCD display. By means of vials you can establish the horizontal or vertical line. Solid design. The device can also be used as a level or circle.



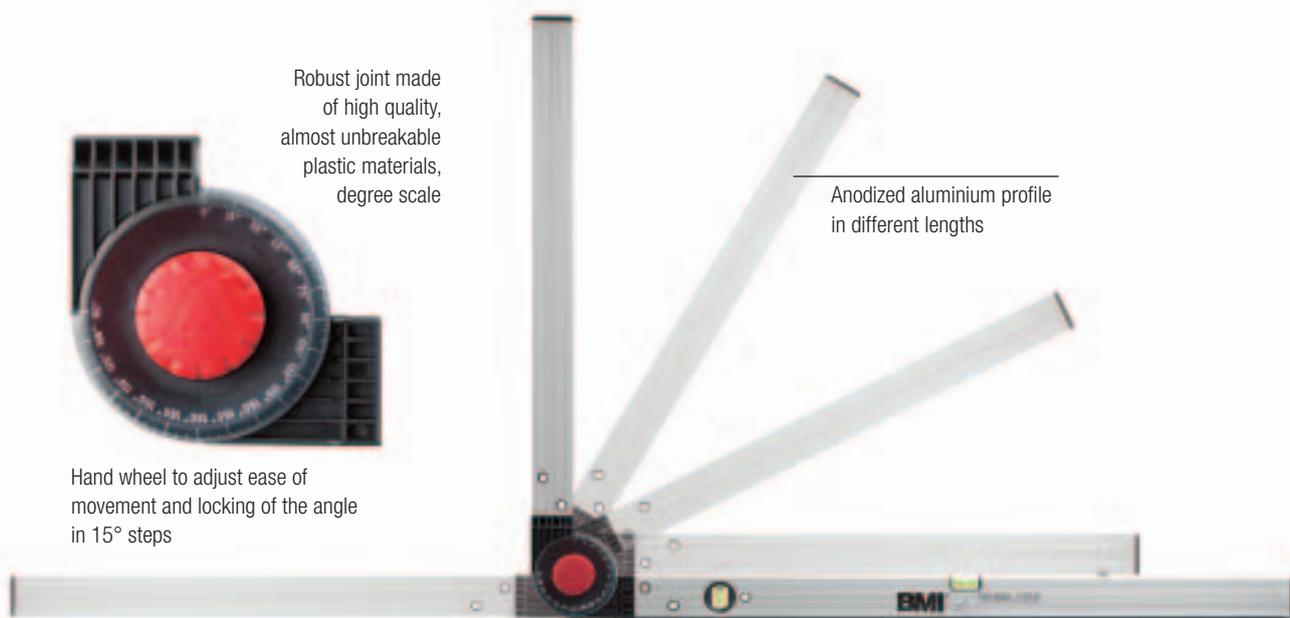
The angle is directly read from the measuring clock. Double scale of 0 – 90° and 90 – 180°.



The angle is directly read from the LCD display. Measuring range 355°. Indicates in 0.1° steps.

Order no.	Price	Length without needle point	remark
714 450 M		450 mm	clock version
714 600 M		600 mm	clock version
714 600 D		600 mm	LCD display (without needle point)

Multiple Angle Square WINKELSTAR

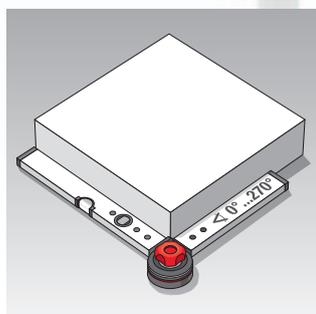


Robust joint made of high quality, almost unbreakable plastic materials, degree scale

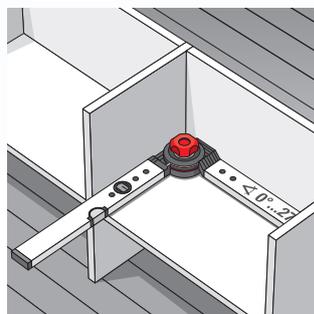
Anodized aluminium profile in different lengths

Hand wheel to adjust ease of movement and locking of the angle in 15° steps

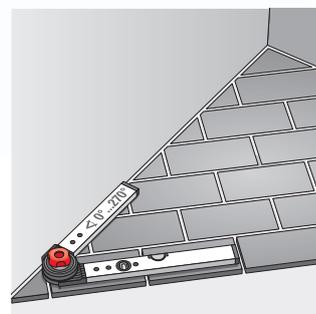
Robust foldable angle level for variable transfer or taking of angles of **0° to 270°**. The angles can be fixed in 15° steps. With the built-in vials it can also be used as a spirit level. Easy transport. Available in different sizes.



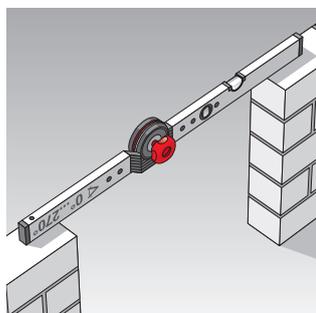
Outer 90° angle



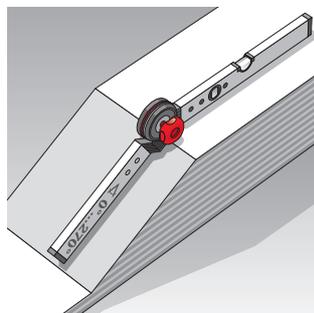
Inner 90° angle



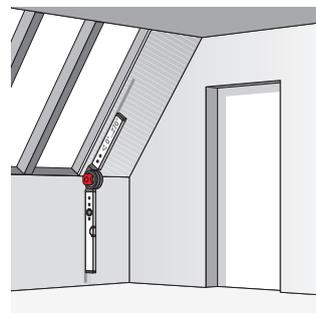
45° angle



Works as a level



Gradient/slope works



Works as a bevel

Order no.	Price	Short leg	Long leg
715 060 080		60 cm	80 cm
715 060 120		60 cm	120 cm
715 100 150		100 cm	150 cm
715 100 200		100 cm	200 cm

Squares

716 "8 in 1"

Joiner and mitre octo square!
 Foldable, fitting in every tool box,
 folding angle with 8 firm locking:
 0°, 22,5°, 45°, 67,5°, 90°,
 112,5°, 135°, and 157,5°,
 Lasting accuracy plus/minus
 0,05 degrees = 1 mm/m;
 leg made of anodised aluminium,
 blade made of stainless steel,
 graduation etched on both sides.



Order no.	Price	Length of blades mm	Leg length mm
716 200 137		200	80
716 300 162		300	120
716 400 182		400	150

950 Carpenter's Square/Coated

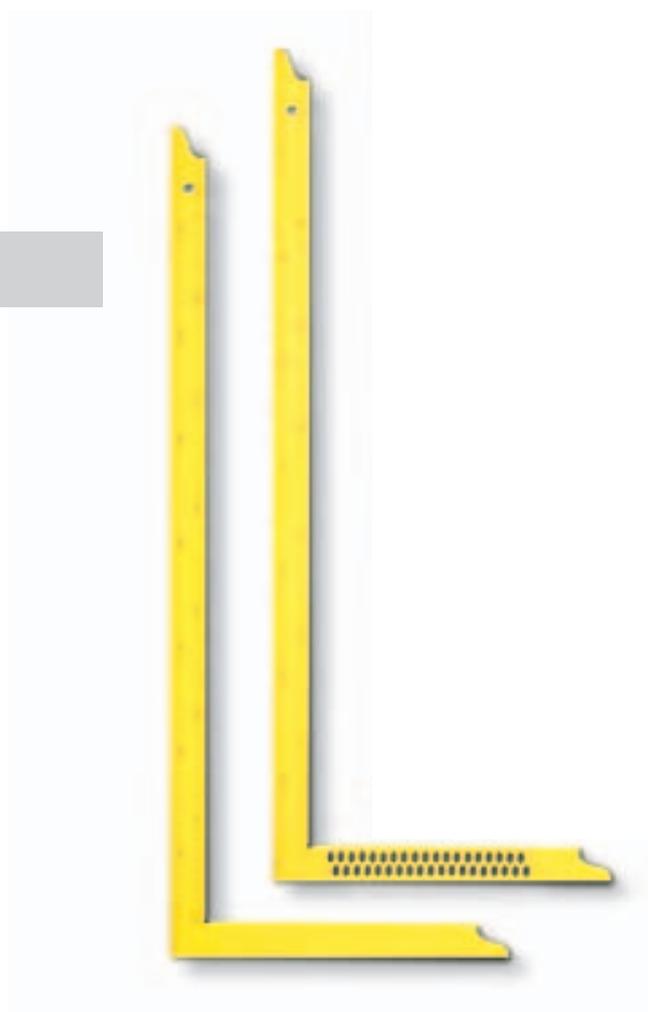
Carpenter's angle for drawing right
 angles and precise extension of
 cutting lines. Yellow, powder coated
 design with or without marking holes,
 mm-graduation.

without marking holes

Order no.	Price	Leg length mm
950 060 001		600
950 070 001		700
950 060 001		800
950 100 001		1000

with marking holes

Order no.	Price	Leg length mm
950 070 002		700
950 080 002		800
950 100 002		1000



Telescopic Measuring Staffs

709/709S "ideeFIX"

Two typical measuring devices have been merged into a very practical combination. Inside measurements can be done quickly and securely. The measurement of the pulled out rod can be read in the tape window. 3 vials ensure exact measuring in every position. A tool for many applications in the trade and in manufacturing. Indispensable for window and door fitters and for interior construction.

...spirit level and telescopic measuring rod in one product!

Measurement can be read precisely in the top window.

Measuring tolerance according to EC standard 73/362/EWG:
 up to 1 m ± 0,5 mm
 up to 2 m ± 0,7 mm
 up to 3 m ± 0,9 mm
 up to 4 m ± 1,1 mm
 up to 5 m ± 1,3 mm
 up to 6 m ± 1,5 mm

Strong and rigid aluminium profile, silver anodised

Horizontal and vertical vial: Measuring accuracy in normal position and in **inverted position** 0.5 mm/m.

Measuring end caps made of high-grade steel
(Also available with measuring tips for construction of roller-shutters)



Measurement can be read precisely in the top window.



Unbreakable rods made of glassfibre reinforced plastic (GFK). Measuring end cap made of high-grade steel.



Measuring of top edges.

Measuring range mm	Max. length mm	Order no.	Price	Order no. with pins	Price
500 up to 2.300	500	709 050 230		709 050 230 S	
650 up to 3.200	650	709 065 320		709 065 320 S	
800 up to 4.100	800	709 080 410		709 080 410 S	
1000 up to 5.100	1000	709 100 510		709 100 510 S	

*closed telescope

Telescopic Measuring Staffs

5035

Order no. 710 5035
Price

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

Carrying case

Order no. 710 5004
Price



5054

Order no. 710 5054
Price

Max. length 4000
Min. length 1120
Telescope sections 4
Material Aluminium
Cross section mm 34/24
Weight in kg 1,0
Front graduation cm-E
Rear graduation mm

Carrying case

Order no. 710 5004
Price



5062/5064/5065

Order no. 710 5062
Price

Max. length 3000
Min. length 700
Telescope sections 6
Material Aluminium
Cross section mm 37,5/27,5
Weight in kg 1,3
Front graduation mm
Rear graduation –

Carrying case

Order no. 710 5006
Price

Order no. 710 5064
Price

Max. length 4000
Min. length 865
Telescope sections 6
Material Aluminium
Cross section mm 37,5/27,5
Weight in kg 1,5
Front graduation mm
Rear graduation –

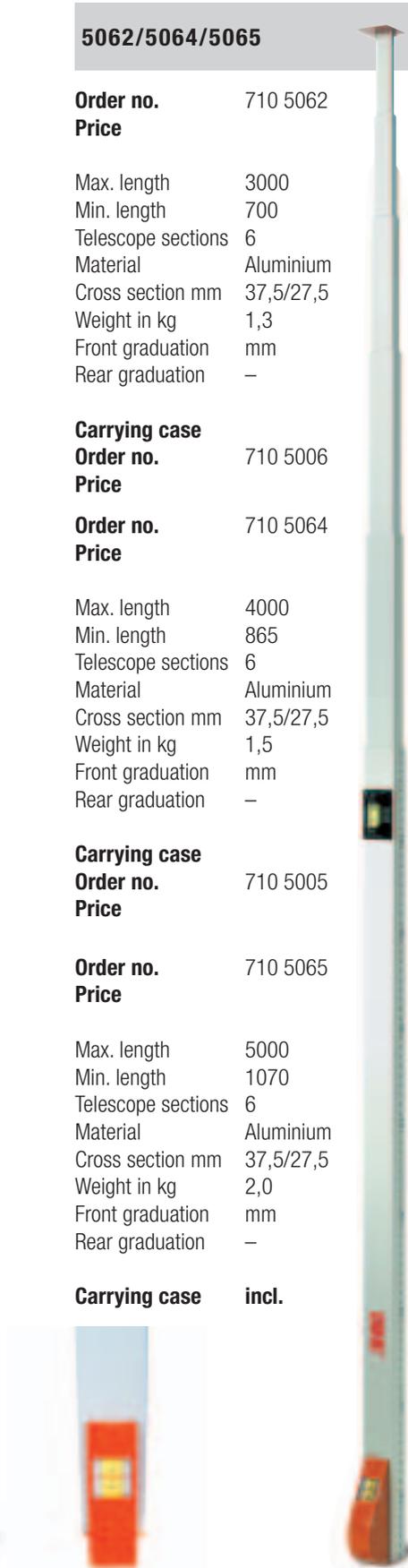
Carrying case

Order no. 710 5005
Price

Order no. 710 5065
Price

Max. length 5000
Min. length 1070
Telescope sections 6
Material Aluminium
Cross section mm 37,5/27,5
Weight in kg 2,0
Front graduation mm
Rear graduation –

Carrying case **incl.**



5045/48

Order no. 710 5045
Price

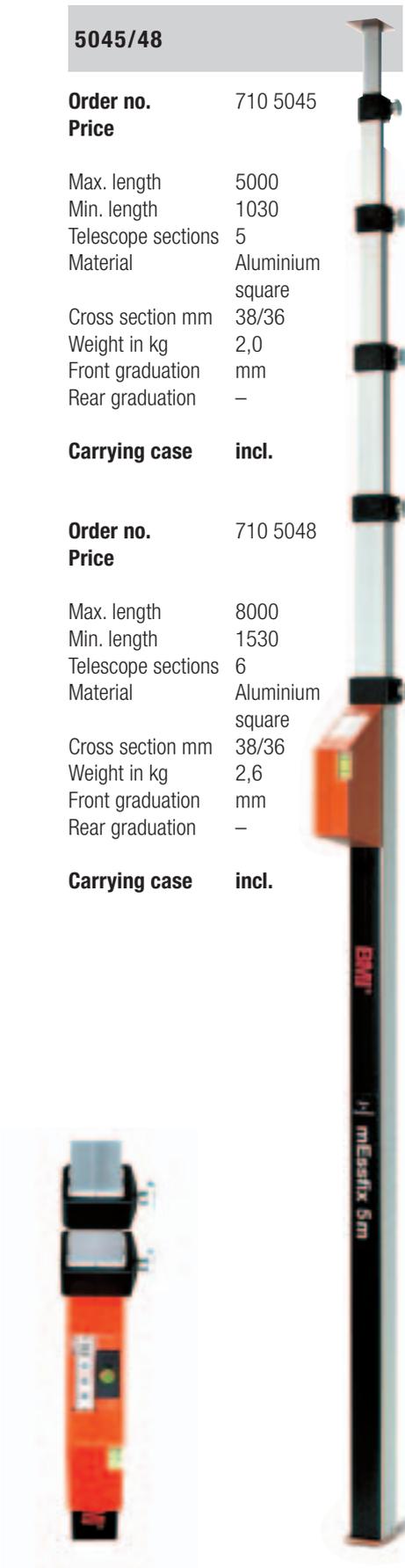
Max. length 5000
 Min. length 1030
 Telescope sections 5
 Material Aluminium square
 Cross section mm 38/36
 Weight in kg 2,0
 Front graduation mm
 Rear graduation –

Carrying case **incl.**

Order no. 710 5048
Price

Max. length 8000
 Min. length 1530
 Telescope sections 6
 Material Aluminium square
 Cross section mm 38/36
 Weight in kg 2,6
 Front graduation mm
 Rear graduation –

Carrying case **incl.**



5075 digital

Order no. 710 5075
Price

Max. length 5000
 Min. length 1040
 Telescope sections 5
 Material Aluminium
 Cross section mm 38/36
 Weight in kg 2,1
 Front graduation mm
 Rear graduation –

Carrying case **incl.**

Batteries included in the scope of delivery.

Easy-handling telescopic measuring staff with digital display, mm-graduation. Operating period approx. 50 h non-stop. Digital display with hold function and setting of reference point.



Surveyor's equipment requires good handling, especially when it is used for measuring larger distances. With the make-up of our distance measuring devices we have focussed on easing the user's work. From BMI you will obtain the right distance measuring device for a broad range of applications.

Mini Rollfix



Rollfix Easy



ADVANTAGES

- Conscious selection of materials for long working life
- Weight-reduced construction for ease of handling
- All measuring wheels can be folded to a compact size to facilitate transport
- Precision counters for accurate measurements

Mini Rollfix

This small, compact **tandem-wheel** Rollfix is especially suited for the use on solid, even grounds for comparatively short distances. **Forward and backward measuring** (with a simple correction when the target point has been passed), lever-operated counter reset. The guiding rod can be folded for transport.

Measuring range: 99.999,99 m
 Resolution: 1 cm
 Wheel diameter: 159.2 mm = 0,5 m girth
 Total height: 950 mm
 Total weight: 1.25 kg

Order no.
 700 1990 Mini Rollfix

Rollfix Easy

This distance measuring device made of high-quality plastic includes both the advantage of little weight and the benefit of a large measuring wheel. **Forward and backward measuring** (with a simple correction when the target point has been passed), lever-operated counter reset. The swing-out parking rack and the built-in parking brake facilitate handling. The guiding rod can be folded for transport.

Measuring range: 99.999.99 m
 Resolution: 1 cm
 Wheel diameter: 318.3 mm = 1 m girth
 Total height: 990 mm
 Total weight: 2.2 kg

Order no.
 700 1994 Rollfix Easy

Rollfix Standard



Rollfix Standard

Heavy, sturdy, **disk-type steel wheel** with solid rubber tyre. **Forward and backward measuring** (with a simple correction when the target point has been passed), lever-operated counter reset. The swing-out parking rack and the built-in parking brake facilitate handling. The guiding rod can be folded for transport.

Measuring range: 9,999.99 m
 Resolution: 1 cm
 Wheel diameter: 318.3 mm = 1 m girth
 Total height: 1090 mm
 Total weight: 3.9 kg

Tolerance: less than 0.05 %

We recommend our transport case as an accessory.

Order no.
 700 1995 Rollfix Standard

Rollfix Super



Rollfix Super

Heavy, **disk-type steel wheel** with solid rubber tyre. **Forward and backward measuring**, lever-operated counter reset. Wheel and frame have been painted in the **signalling colour** red, facilitate handling. The guiding rod can be folded for transport. The swing-out parking rack and the built-in parking brake facilitate handling. Track rail can be mounted.

Measuring range: 9,999.99 m
 Resolution: 1 cm
 Wheel diameter: 318.3 mm = 1 m girth
 Total height: 1090 mm
 Total weight: 3.9 kg

Tolerance: less than 0.02 %

TÜV-approved and suitable for calibration.

We recommend our transport case as an accessory.

Order no.
 700 1992 Rollfix Super

Transport case



Transport case, imitation leather, for Rollfix STANDARD and Rollfix SUPER models, 2 safety locks. Handle. Weight 2.2 kg.

Order no.
 700 1902 Transport case

Track Rail



Track Rail
 Weight: 0.6 kg

Order no.
 700 1993 Track rail

General Terms of Payment and Delivery

Edition 2008

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.

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