

ALUMINUM BOX SECTIONS

- Thickness
- Features
- Surface



Aluminum box sections are extruded, heat cured, with high torsional stiffness.
Cross-sections: 22-23/50 and 25/60mm
Wall thickness: 1.5 to 2.3mm, depending on type and length

For spirit levels with a length of 150cm and above, only profiles with extremely thick walls are used.

Box sections can be used as a drawing aid on all sides.

The SOFT spirit levels have pleasant, rounded edges.

The surfaces of the box sections are strato-silver anodized or powder-coated in signal color, providing a comfortable grip.

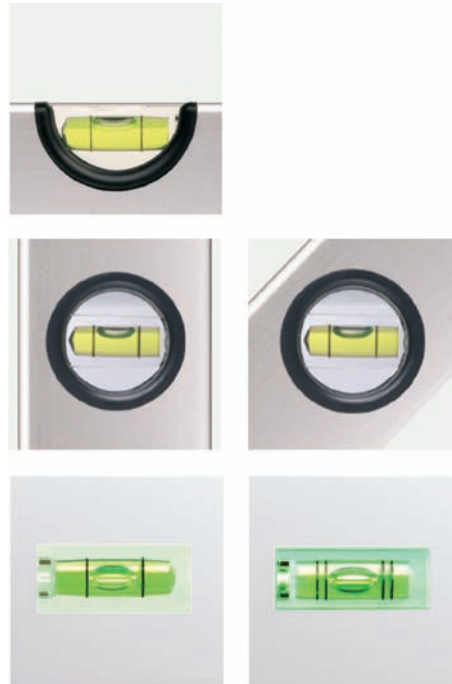
ACCURACY

For all spirit levels with permanently mounted vials, the accuracy - achieved through electronic adjustment and final checks - is at least 0.5mm/m = 0.029° in normal position.

The spirit levels of the NIVEAU PLAN, NIVEAU MAX, and NIVEAU DIGIT series have an accuracy of at least 0.75mm/m = 0.043° for overhead measurement.

QUALITY CONTROL

WEISS spirit levels are manufactured according to the WEISS Quality Management System. Each spirit level is electronically adjusted and subjected to a final electronic inspection at the end of production.



The barrel-shaped and virtually unbreakable vials of acrylic glass - also available with **two additional rings** for setting out 2% slopes - are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

SOLID SYSTEM
PROTECTED BY PATENT

GUARANTEE

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

DESIGN

The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.

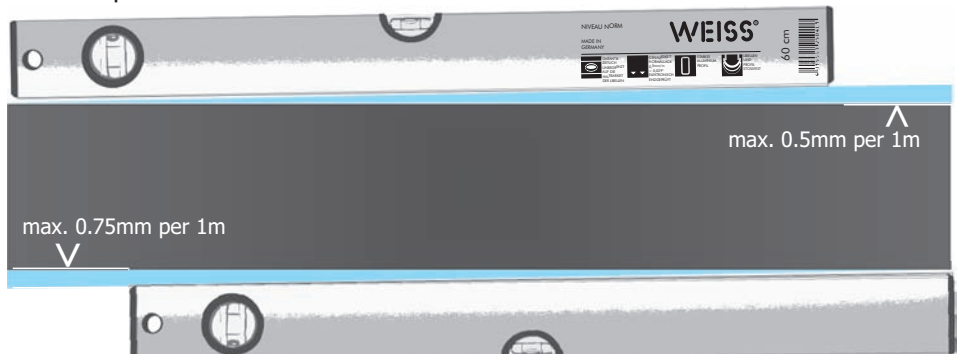
CLEAN EFFECT

MAGNETS

Upon request WEISS spirit levels can be supplied with extra strong magnets in the base.



Normal position



Overhead measurement



Strong aluminum box section, 22/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness, and usable as a drawing aid on all sides.

For lengths of 150cm and above, only profiles with extremely thick walls are used.

Surface strato-silver anodized or powder-coated in signal color, providing a comfortable grip.

If required, the spirit level can be printed, at a surcharge, with a millimeter scale, advertising or graphic elements.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The accuracy - achieved through electronic adjustment and final checks - is at least $0.5\text{mm/m} = 0.029^\circ$ in normal position.



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A contribution to accuracy.



NIVEAU NORM Type 95

Strato-silver anodized
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	95030
40	95040
50	95050
60	95060
70	95070
80	95080
90	95090
100	95100
120	95120
150	95150
180	95180
200	95200

NIVEAU NORM Type 85

Powder-coated in signal color
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	85030
40	85040
50	85050
60	85060
70	85070
80	85080
90	85090
100	85100
120	85120
150	85150
180	85180
200	85200

NIVEAU NORM Type 95M

Strato-silver anodized
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	95030M
40	95040M
50	95050M
60	95060M
70	95070M
80	95080M
90	95090M
100	95100M
120	95120M
150	95150M
180	95180M
200	95200M

NIVEAU NORM Type 85M

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	85030M
40	85040M
50	85050M
60	85060M
70	85070M
80	85080M
90	85090M
100	85100M
120	85120M
150	85150M
180	85180M
200	85200M

Available at a surcharge:

3rd vial 90°

3rd vial 45°

Alternatively

Horizontal vial with 2 additional rings
for setting out 2% slopes

WEISS®

M E S S Z E U G E

MADE IN GERMANY

SPIRIT LEVEL >> NIVEAU SOFT



Strong aluminum box section, 22/50mm, extruded, heat cured, with high torsional stiffness and pleasantly rounded edges.

Surface strato-silver anodized or powder-coated in signal color, providing a comfortable grip.

If required, the spirit level can be printed, at a surcharge, with a millimeter scale, advertising or graphic elements.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The accuracy - achieved through electronic adjustment and final checks - is at least 0.5mm/m = 0.029° in normal position.



The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.



NIVEAU SOFT Type 92

Strato-silver anodized
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	92030
40	92040
50	92050
60	92060
70	92070
80	92080
90	92090
100	92100
120	92120
150	-
180	-
200	-

NIVEAU SOFT Type 92M

Strato-silver anodized
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	92030M
40	92040M
50	92050M
60	92060M
70	92070M
80	92080M
90	92090M
100	92100M
120	92120M
150	-
180	-

NIVEAU SOFT Type 82

Powder-coated in signal color
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	82030
40	82040
50	82050
60	82060
70	82070
80	82080
90	82090
100	82100
120	82120
150	-
180	-
200	-

NIVEAU SOFT Type 82M

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	82030M
40	82040M
50	82050M
60	82060M
70	82070M
80	82080M
90	82090M
100	82100M
120	82120M
150	-
180	-

Available at a surcharge:

3rd vial 90°	
3rd vial 45°	
Alternatively	
Horizontal vial with 2 additional rings	
for setting out 2% slopes	

WEISS®

M E S S Z E U G E

MADE IN GERMANY

SPIRIT LEVEL >> NIVEAU BIG



The extra-strong aluminum box section is 23/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness, and usable as a drawing aid on all sides.
For the highest standards!

Shock-absorbing soft endcaps.
Horizontal vial with luminous backing plate allows measuring in subdued light.

Surface golden anodized or powder-coated in signal color, providing a comfortable grip.

If required, the spirit level can be printed, at a surcharge, with a millimeter scale, advertising or graphic elements.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The accuracy - achieved through electronic adjustment and final checks - is at least $0.5\text{mm/m} = 0.029^\circ$ in normal position.



The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.



NIVEAU BIG Type 97

Golden anodized
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	97030
40	97040
50	97050
60	97060
70	97070
80	97080
90	97090
100	97100
120	97120
150	97150
180	97180
200	97200

NIVEAU BIG Type 87

Powder-coated in signal color
1 horizontal vial, 1 vertical vial

L (cm) Order code

30	87030
40	87040
50	87050
60	87060
70	87070
80	87080
90	87090
100	87100
120	87120
150	87150
180	87180
200	87200

NIVEAU BIG Type 97M

Golden anodized
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	97030M
40	97040M
50	97050M
60	97060M
70	97070M
80	97080M
90	97090M
100	97100M
120	97120M
150	97150M
180	97180M
200	97200M

NIVEAU BIG Type 87M

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
Strong magnets

L (cm) Order code

30	87030M
40	87040M
50	87050M
60	87060M
70	87070M
80	87080M
90	87090M
100	87100M
120	87120M
150	87150M
180	87180M
200	87200M

Available at a surcharge:

3rd vial 90°
3rd vial 45°
Alternatively
Horizontal vial with 2 additional rings
for setting out 2% slopes

WEISS®

M E S S Z E U G E

MADE IN GERMANY

SPIRIT LEVEL >> NIVEAU PLAN



The strong aluminum box section is 22/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness, and usable as a drawing aid on all sides.

With precision-milled working surface.

Pleasant-to-grip surface, powder-coated in signal color.

If required, the spirit level can be printed, at a surcharge, with a millimeter scale, advertising or graphic elements.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The accuracy - achieved through electronic adjustment and final checks - is at least 0.5mm/m = 0.029° in normal position, and at least 0.75mm/m = 0.043° for overhead measurement.

SOLID SYSTEM
PROTECTED BY PATENT

The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.

CLEAN EFFECT

NIVEAU PLAN Type 88

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
1 milled working surface

L (cm) Order code

30	88030
40	88040
50	88050
60	88060
70	88070
80	88080
90	88090
100	88100
120	88120
150	-
180	-
200	-

NIVEAU PLAN Type 88M

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
1 milled working surface
Strong magnets

L (cm) Order code

30	88030M
40	88040M
50	88050M
60	88060M
70	88070M
80	88080M
90	88090M
100	88100M
120	88120M
150	-
180	-
200	-

Available at a surcharge:

3rd vial 90°

3rd vial 45°

Alternatively

Horizontal vial with 2 additional rings
for setting out 2% slopes

WEISS®

M E S S E U G E

MADE IN GERMANY

SPIRIT LEVEL >> NIVEAU MAX



The extremely strong aluminum box section is 25/60mm, extruded, heat cured, with thick walls and reinforcing ribs for high torsional stiffness - the alternative to the die-cast spirit level. Usable as a drawing aid on all sides.

Horizontal vial with luminous backing plate allows measuring in subdued light.

Pleasant-to-grip surface, powder-coated in signal color.

With 2 precision-milled working surfaces up to a length of 120cm.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The accuracy - achieved through electronic adjustment and final checks - is at least 0.5mm/m = 0.029° in normal position, and at least 0.75mm/m = 0.043° for overhead measurement.



The design of the body and of all components of the NIVEAU ensures a **CLEAN effect.**

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.



NIVEAU MAX Type 89

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
2 milled working surfaces

L (cm) Order code

30	—
40	89040
50	—
60	89060
70	—
80	89080
90	89090
100	89100
120	89120
150	89150
180	89180
200	89200
240	89240

Available at a surcharge:

3rd vial 90°
3rd vial 45°
Alternatively
Horizontal vial with 2 additional rings for setting out 2% slopes

NIVEAU MAX Type 89G

Powder-coated in signal color
1 horizontal vial, 2 vertical vials
2 milled working surfaces, 2 handholds

L (cm) Order code

30	—
40	—
50	—
60	38906G
70	—
80	38908G
90	38909G
100	38910G
120	38912G
150	38915G
180	38918G
200	38920G
240	38924G

Available at a surcharge:

3rd vial 45° (instead of 90°)
Alternatively
Horizontal vial with 2 additional rings for setting out 2% slopes

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SPIRIT LEVEL >> NIVEAU DIGIT



The **NIVEAU DIGIT** electronic spirit level displays the slope in degrees (°) or percent (%).

- Display in increments of 0.1° and 0.1%
- Signal tone can be switched on for 0° and 90°
- Hold key for saving a measurement
- Digital display turns over automatically for overhead measurement
- Simple calibration
- 9V battery included

Accuracy:

Module:

- at 0° and 90° ± 0.1°
- between 0° and 90° ± 0.2°

Spirit level

At least 0.5mm/m = 0.029° in normal position, and at least 0.75mm/m = 0.043° for overhead measurement

SOLID SYSTEM
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The extremely strong aluminum box section is 25/60mm, extruded, heat cured, with thick walls and reinforcing ribs for high torsional stiffness - the alternative to the die-cast spirit level. Usable as a drawing aid on all sides.

Horizontal vial with luminous backing plate allows measuring in subdued light.

Pleasant-to-grip surface, powder-coated in signal color.

With 2 precision-milled working surfaces up to a length of 120cm.

The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.

CLEAN EFFECT

NIVEAU DIGIT

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
2 milled working surfaces

L (cm) Order code

30	-
40	-
50	-
60	80506
70	-
80	80508
90	-
100	80510
120	80512
150	89515
180	89518
200	89520

Supplied with a practical carrying case at no extra charge.



The strong aluminum box section is 22/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness, and usable as a drawing aid on all sides.

Surface strato-silver anodized or powder-coated in signal color, providing a comfortable grip.

Angle-finding vial rotates through 360° for measuring, transferring and setting positive and negative angles from 0-90° and slopes from 0-50°. Accuracy ±0.3°.

The barrel-shaped and virtually unbreakable vials of acrylic glass are durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

For all spirit levels with permanently mounted vials the accuracy - achieved through electronic adjustment and final checks - is at least 0.5mm/m = 0.029° in normal position.

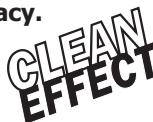


We provide a 30-year guarantee for the durability of the vials when the level is used properly.

The design of the body and of all components of the NIVEAU ensures a **CLEAN effect**.

Accumulation of debris is reduced and cleaning is very easy.

A contribution to accuracy.



NIVEAU GRAD Type 95 W

Strato-silver anodized
1 horizontal vial, 1 vertical vial
1 vial rotating through 360°

L (cm) Order code

30	95030W
40	95040W
50	95050W
60	95060W
70	95070W
80	95080W
90	95090W
100	95100W
120	95120W
150	95150W
180	95180W
200	95200W

NIVEAU GRAD Type 95 WM

Strato-silver anodized
1 horizontal vial, 1 vertical vial
1 vial rotating through 360°
Strong magnets

L (cm) Order code

30	-
40	95040WM
50	95050WM
60	95060WM
70	95070WM
80	95080WM
90	95090WM
100	95100WM
120	95120WM
150	95150WM
180	95180WM
200	95200WM

NIVEAU GRAD Type 85 W

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
1 vial rotating through 360°

L (cm) Order code

30	85030W
40	85040W
50	85050W
60	85060W
70	85070W
80	85080W
90	85090W
100	85100W
120	85120W
150	85150W
180	85180W
200	85200W

NIVEAU GRAD Type 85 WM

Powder-coated in signal color
1 horizontal vial, 1 vertical vial
1 vial rotating through 360°
Strong magnets

L (cm) Order code

30	-
40	85040WM
50	85050WM
60	85060WM
70	85070WM
80	85080WM
90	85090WM
100	85100WM
120	85120WM
150	85150WM
180	85180WM
200	85200WM

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NIVEAU GEFÄLLE/NEIGUNG

Spirit level made of aluminum box section, 22/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness. Surface is strato-silver anodized.

This inclinometer consists of a rotating acrylic glass disc with a scale in degrees and a spirit level, mounted on a 13×13cm aluminum plate. The unit is fixed to the aluminum box section.

The circular scale shows 3 different measurements:

1. Angles of $4 \times 90^\circ = 360^\circ$
2. Gradients from 0 to 100%
3. Slopes and inclines

NIVEAU GEFÄLLE

The aluminum box section is 22/50mm, sharp-edged, extruded, heat cured, with high torsional stiffness. It is strato-silver anodized, with setting brackets at each end, separated by 1,000mm. One of the brackets contains a movable bolt with graduations up to 100mm. Gradients of up to 10% can be measured. The barrel-shaped and virtually unbreakable vial of acrylic glass is durably, permanently and unchangeably connected to the body by the patented SOLID Mounting System.

We provide a 30-year guarantee for the durability of the vials when the level is used properly. The patented SOLID Mounting System ensures an accuracy of at least $0.5\text{mm/m} = 0.029^\circ$ in normal position.

L (cm) Order code

100	90100
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NIVEAU JUSTAGE

with adjustable vials

Spirit level made of aluminum box section, 22/57mm, sharp-edged, extruded, heat cured, with high torsional stiffness.

1 horizontal and 1 vertical vial, made of acrylic glass, barrel-shaped, screw-mounted and therefore manually adjustable.



Setscrews for manual adjustment are located at the top of the level.

L (cm) Order code

30	AL2-030
40	AL2-040
50	AL2-050
60	AL2-060
70	AL2-070
80	AL2-080
90	AL2-090
100	AL2-100
120	AL2-120
150	AL2-150
180	AL2-180
200	AL2-200
250	AL2-250
300	AL2-300

Available at a surcharge:

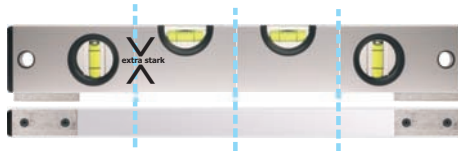
3rd vial 90°	
3rd vial 45°	

Type 95 NG, without magnets

L (cm)	Order code
40	95040NG
60	95060NG
100	95100NG

Type 95 NGM, with magnets

L (cm)	Order code
13	95013NGM
20	95020NGM
40	95040NGM
60	95060NGM
100	95100NGM



NIVEAU DOTS

Spirit level made of aluminum box section, 22/50mm, extra strong, sharp-edged, extruded, heat cured, with high torsional stiffness.

2 horizontal and 2 vertical vials made of acrylic glass, barrel-shaped, strato-silver anodized surface, solid bridging plates at each end of the base.

The bridging plates compensate for irregularities in the areas to be measured. Especially suitable for mounting components.

The patented SOLID Mounting System ensures an accuracy of at least $0.5\text{mm/m} = 0.029^\circ$ in normal position.

L (cm) Order code

120	95120A4
150	95150A4
180	95180A4
200	95200A4

WEISS®

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MADE IN GERMANY

OTHER SPIRIT LEVELS

>> TEAK, DIE-CAST
>> POCKET, ETC.



NIVEAU TEAK

Spirit level made of seasoned Kampala teak, 27/57mm, oiled, with a continuous recess grip.

1 horizontal vial and 1 vertical vial made of acrylic glass, barrel-shaped.

L (cm) Order code

30	80603
40	80604
50	80605
60	80606
80	80608
100	80610



NIVEAU TRAPEZ DIE-CAST ALUMINUM

Spirit level made of die-cast aluminum, powder-coated in signal color, milled working surface.

1 horizontal vial, 1 vertical vial made of acrylic glass, barrel-shaped.

Accuracy in normal position
 $0.5\text{mm/m} = 0.029^\circ$.



L (cm) Order code

30	80303
40	80304
50	80305
60	80306
80	80308



NIVEAU POCKET

Spirit level made of highly shock-resistant ABS, 16/46mm, in white or blue (special colors upon request).

1 horizontal vial, 1 vertical vial, 1 45° vial made of acrylic glass, barrel-shaped.

L (cm) Order code

22	80220W (color: white)
22	80220B (color: blue)

With 1m measuring tape

L (cm) Order code

22	80221W (color: white)
22	80221B (color: blue)



NIVEAU MINICLIP

Spirit level made of highly shock-resistant ABS, 13/32mm, with clip, in white or blue (special colors upon request).

1 horizontal vial, 1 vertical vial made of acrylic glass, barrel-shaped.

L (cm) Order code

10	80100W (color: white)
10	80100B (color: blue)

With 1m measuring tape, no clip

L (cm) Order code

10	80101W (color: white)
10	80101B (color: blue)



NIVEAU KEYTAG

Horizontal vial, 36/15/15mm, made of acrylic glass, on keychain, barrel-shaped.

Order code

80035

BULLS-EYE SPIRIT LEVEL

Acrylic glass, Ø40mm

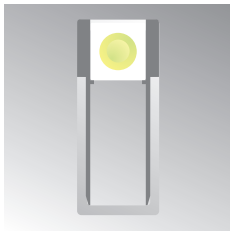


Order code

80040

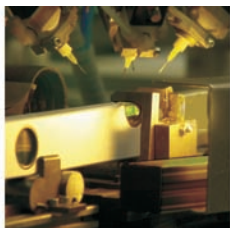
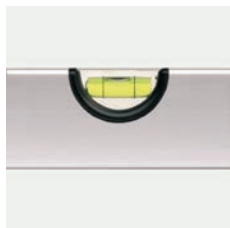
SOLID SYSTEM

PROTECTED BY PATENT



The high quality of WEISS spirit levels comes from the fact that the vials and vial holders are securely and permanently integrated into the body. This requires compensation for all manufacturing tolerances when the vials and vial holders are fitted.

The patented WEISS SOLID Mounting System ensures that this is carried out in an ideal manner.

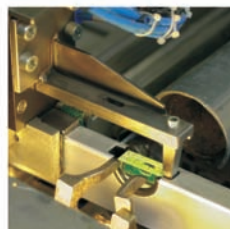


Usual vial holders are rigid blocks that hardly fit in the box section due to individual production tolerances. For this reason, the vial holding system in WEISS spirit levels consists of two parts. Each of these can be firmly anchored in the box section as required. After fitting and adjustment of the vials and rapid fixing of all parts, the resulting unit rests without tension and therefore permanently on eight contact points in the body of the level.

Equalizer compounds, which might change the adjustment during slow curing, are not necessary with WEISS.



The superiority of the WEISS SOLID Mounting System is evident when the spirit level is subjected to knocking and blows. Even small deformations of the aluminum box section near the vials fail to affect the accuracy of the level.



>>> This is what makes WEISS spirit levels so special!