

ADJUSTABLE MICROMETER SPIRIT LEVEL

68

EINSTELLBARE MIKROMETER-RICHTWAAGE

SWISS MADE

**General**

- According to DIN877 + DIN2276/1
- Lateral stability according to WYLER standard
- Lateral stability  $\pm 2$  degrees
- Prismatic measuring base of hardened steel, grinded
- Transversal vial with a sensitivity of 2 ... 5 mm/m for easier handling of the level when measuring on horizontal shafts
- Special isolating handles eliminate the transfer and influence of the body temperature

**Allgemein**

- Gemäss DIN877 + DIN2276/1
- Querstabilität nach WYLER Standard
- Querstabilität  $\pm 2$  Grad
- Prismatische Messbasis aus gehärtetem Stahl, geschliffen
- Querlibelle mit einer Empfindlichkeit von 2 ... 5 mm/m zur Handhabung der Richtwaage beim Messen auf einem horizontalen Zylinder
- Dank dem Isoliergriff wird eine Übertragung der Handwärme verhindert

**Application**

- The Adjustable micrometer spirit level 68 is suitable for measurements on horizontal surfaces and shafts with a measuring range -20 ... 4 mm/m.

**Anwendung**

- Die Einstellbare Mikrometer-Richtwaage 68 ist geeignet für Messungen von horizontalen Flächen und Wellen mit einem Messbereich -20 ... 4 mm/m.

**Function**

- Adjust within measuring range
- 1 scale division on the micrometer drum is 0.02 mm/m
- 1 full turn of the drum with 100 divisions = 2 mm /m
- Number of turns
- Up 2 (equivalent to  $2 \times 2$  mm/m = 4 mm/m)
- Down 10 (equivalent to  $10 \times 2$  mm/m = 20 mm/m)

**Funktion**

- Einstellen im Messbereich
- Skalenteilungswert an Mikrometertrommel ist 0.02 mm/m
- Umdrehungswert der Trommel mit 100 Teilstichen = 2 mm/m
- Anzahl Umdrehungen
- Nach oben 2 (entsprechen  $2 \times 2$  mm/m = 4 mm/m)
- Nach unten 10 (entsprechen  $10 \times 2$  mm/m = 20 mm/m)

Length Länge	Width Breite	Height Höhe	Weight (gross) Gewicht (brutto)	For Shaft-Ø Für Wellen-Ø	Scale division value Skalenteilungswert	P/N Produktnummer
/ mm	/ mm	/ mm	/ kg	/ mm	/ (mm/m)	
150	45	45 (80)	1.75 (2.05)	19 ... 120	0.02	168-150-111-020

Scope of delivery	P/N Produktnummer	Lieferumfang
<ul style="list-style-type: none"> <li>Adjustable spirit level 68</li> <li>Storage case</li> </ul>	See above / Siehe oben	<ul style="list-style-type: none"> <li>Einstellbare Richtwaage 68</li> <li>Aufbewahrungsbox</li> </ul>
Calibration certificate	P/N	Kalibrierzertifikat
SCS calibration certificate for Adjustable spirit level 68	SCS Clinometer	SCS-Kalibrierzertifikat für Einstellbare Richtwaage 68

## INTRODUCTION

## SPIRIT LEVEL

## EINFÜHRUNG

WYLER Spirit Levels have been known for decades all around the globe for their high precision, quality and reliability. All products are manufactured according to the relevant international standards and assure an extraordinary resistance against wear and geometrical deformation due to the use of selected and well matured materials.

The **SPIRIT LEVELS** are divided into the following types:

Spirit levels for small angles



Clinometers for large angles up to 360°

Bei **Richtwaagen** unterscheidet man zwischen:

Richtwaagen für kleine Winkel

Clinometer für grosse Winkel bis 360°

Most spirit levels can be equipped with magnetic inserts. Magnetic inserts do not guarantee a secure hold, they are only to be regarded as a support when holding. Please secure your measuring instruments from falling at all times to avoid damage and injuries.

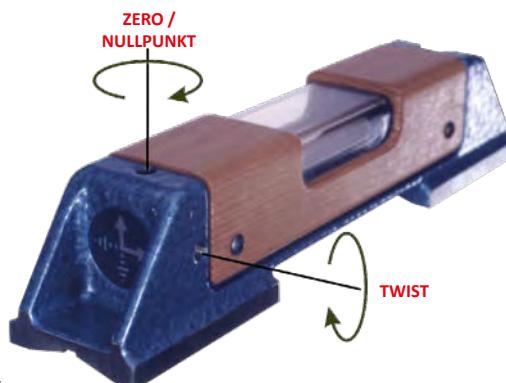
Besides the vial, the frame or body of a precision level is extremely important. The material mostly from cast iron or special steel must be free from tension (distortion!). The treatment of the material before, during and after the machining and assembling is of greatest importance. Blowholes up to a diameter of 0.5 mm outside the measuring surfaces do not constitute a defect.

Usually, the bases of the levels for measuring surfaces have two contact faces. These allow the exact setting of the instrument. Prismatic bases with two contact faces are used for measuring round shafts and bars. A speciality of the WYLER precision levels lies in the fact that the geometry of the bases is adjusted exactly parallel to the vial axis by grinding and scraping.

Only by this precision work it is assured that even when the level is slightly tilted no measuring error occurs (twist stability). The specialist is aware of the temperature sensitivity of a spirit level. Therefore no direct sunlight is allowed on the level and draught is avoided, if a precise measurement is to be guaranteed.



The user has the possibility to adjust the **ZERO** as well as the **TWIST** thanks to a simple adjustment system



Die meisten Richtwaagen können auch mit Magneteinsätzen geliefert werden. Magneteinsätze garantieren keinen sicheren Halt, sie sind lediglich als Unterstützung beim Halten anzusehen. Bitte sichern Sie jederzeit Ihre Messgeräte vor Sturz um Beschädigungen und Verletzungen zu vermeiden.

Products may differ from the pictorial representation.  
For current specifications, please refer to the separate data sheet

Operating temperature range  
Storage temperature range

15 ... + 25°C  
- 40 ... + 70 °C

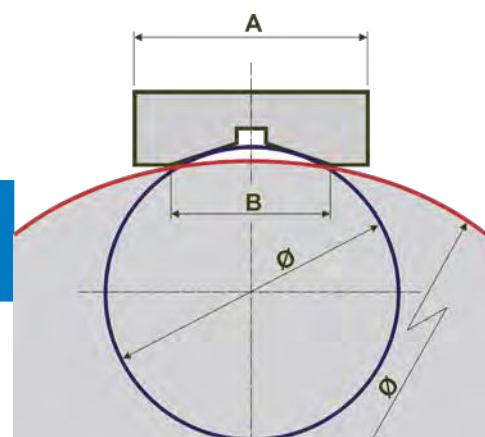
Betriebstemperatur  
Lagertemperatur

Produkte können von der bildlichen Darstellung abweichen.  
Aktuelle Spezifikationen entnehmen Sie dem separaten Datenblatt.

## Standard dimensions of prismatic bases

## Standardabmessungen prismatischer Basen

Length of base Basislänge	Possible shaft diameter Messbarer Wellendurchmesser		
L / mm	A / mm	B / mm	Ø / mm
100	30	21	17 ... 80
100	32	22	17 ... 84
150	35	24.5	17 ... 94
200	40	28	19 ... 108
250	45	31.5	19 ... 120
300	50	35	22 ... 135



INTRODUCTION

PRODUCT RANGE

EINFÜHRUNG

