

# WYLER PRODUCTS AND SERVICES

# WYLER-PRODUKTE UND -SERVICES



**WYLER AG**  
Inclination measuring systems  
Neigungsmesssysteme

**Version 2025**  
Edition 1

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## 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°



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.

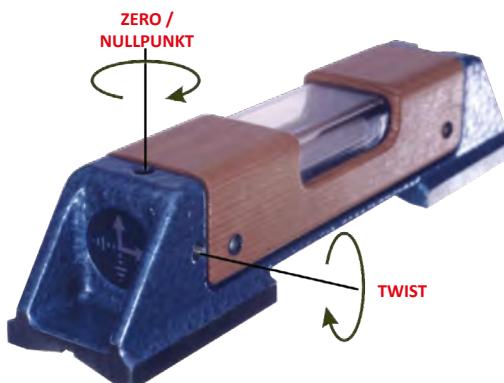
Besides the vial, the frame or body of a precision level is extremely important. The material mostly from cast iron or special steel must be free from tension (distortion!). The treatment of the material before, during and after the machining and assembling is of greatest importance. Blowholes up to 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



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

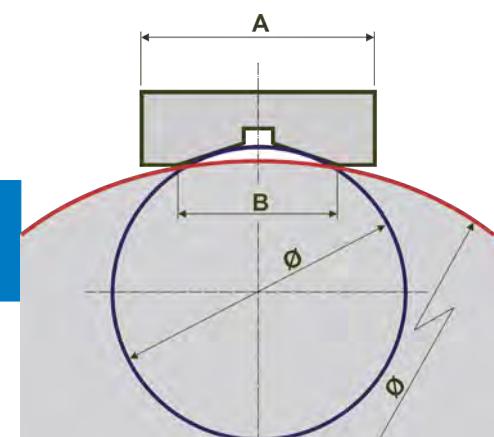
Betriebstemperatur  
Lagertemperatur

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
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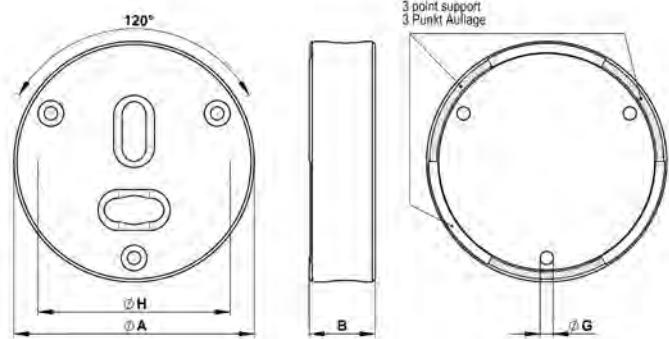


## CROSS SPIRIT LEVEL

76

KREUZ-RICHTWAAGE

SWISS MADE



## General

- According to DIN877 + DIN2276/1
- The Cross spirit level 76 made of black anodized aluminum alloy is equipped with two measuring vials arranged in crosswise direction with a flat measuring base

## Application

- The Cross spirit level 76 is specially designed for the simultaneous measuring or levelling of surfaces on machines, apparatus, etc.
- The main advantage of this spirit level is, that the inclination of both axis (X and Y axes) is visualised at the same time. This enables a quick levelling of a measuring object in a very easy way

## Allgemein

- Gemäss DIN877 + DIN2276/1
- Die Kreuz-Richtwaage 76 aus schwarz eloxiertem Aluminium ist mit zwei kreuzweise angeordneten Messlibellen ausgerüstet. Sie hat eine flache Messbasis

## Anwendung

- Die Kreuz-Richtwaage 76 eignet sich hervorragend für das gleichzeitige Messen bzw. Ausrichten von Flächen an Maschinen, Apparaten, usw.
- Der grosse Vorteil dieser Richtwaage liegt darin, dass die Neigungen beider Achsen (X- und Y-Achse) gleichzeitig angezeigt werden. Dadurch ist ein schnelles Ausrichten eines Messobjektes sehr einfach

Diameter A Durchmesser A	Height B Höhe B	Ø G / mm	Ø H / mm	Screws Schrauben	Weight (gross) Gewicht (brutto)	Scale division value Skalenteilungswert	from stock Ab Lager	P/N Produktnummer
/ mm	/ mm	/ mm	/ mm		/ kg	/ (mm/m)		
40	11	2.2	32	M2	0.035	2 ... 5	X	176-040-120,002
60	13	4.2	50	M4	0.085	0.3	X	176-060-120-300
						1.0		176-060-120,001
80	18	4.2	66	M4	0.220	0.3		176-080-120-300
						1.0		176-080-120,001

Scope of delivery	P/N Produktnummer	Lieferumfang
Cross spirit level 76	See above / Siehe oben	Kreuz-Richtwaage 76

Calibration certificate	P/N	Produktnummer	Kalibrierzertifikat
SCS calibration certificate for Cross spirit level 76	SCS WW-H		SCS-Kalibrierzertifikat für Kreuz-Richtwaage 76

**Quality****Qualität****Service + Partnership****Service + Partnerschaft****Innovation + Competence****Innovation + Kompetenz****Innovation****Quality****Service****WYLER**

The WYLER AG is continuously enhancing their products and reserves the right to change technical specifications as well as the appearance without prior notice. For this reason the specifications and the pictures of the products delivered may be slightly different from those shown in the catalogue.

Die WYLER AG ist stets um Produkteverbesserungen bemüht und behält sich das Recht vor, die technischen Daten und das äußere Erscheinungsbild jederzeit und ohne Vorankündigung zu ändern. Aus diesem Grund können die Spezifikationen und die Abbildungen der Produkte zum Teil leicht vom Katalog abweichen.