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# 61 R - 61 MR - 61 SL

## High precision linear levels

(Patented)



These levels are designed for the easy and simple use of high sensitivity vials. Seatings are hardened.

High performances are achieved with regards to :

- Stability of sensitivity and tuning (during time, for every temperature and shock-resistant).
- Preservation of the accurateness of the base seatings which are hardened and grinded (level type 61 r in 140, 200, 300 and 500 mm only).
- Easy replacement of vial.
- Easy adjustment.
- Shock resilience.

Providing the well known qualities of EDA levels :

- Clear visibility.
- Short stabilization delay of the bubble position.
- High geometric precision of the vial and of the grinded seatings.
- Closely monitored manufacturing process.
- Provided in a quality foam-lined case.

## Specifications

### 61 R

- Stabilized cast iron body.
- Grooved base for measurement on flat surfaces and cylinders.
- Hollowed base to provide precise seating.
- Hardened and grinded seatings (level type 61r in 140, 200, 300 and 500 mm only).
- Protected vials with clear visibility.
- Both vials are adjustable.
- For easier use on cylinders, the main vial is set so that a small transverse inclination will not modify the bubble position.

*Note: the 100 mm level is not equipped with a transverse vial.*

Dimensions (mm)			Approximate weight (gr)	
Length	Width	Height	w/o case	with case
100	40	40	750	920
140	40	41	950	1130
200	40	41	1300	1550
300	40	51	2100	2600
500	40	60	3500	4400

Levels of every dimension may be provided with the following precisions:

Model	Vial sensitivity				Base precision as of a 200 mm length
	mm / m	Inch / 10 inch	Arcseconds	Micro-radians (mm)	
61 R 0.1	0.1	0.001	20	100	0.01
61 R 0.05	0.05	0.0005	10	50	0.005
61 R 0.04	0.04	0.0004	8	40	0.004
61 R 0.02	0.02	0.0002	4	20	0.002
61 R 0.01	0.01	0.0001	2	10	0.002

### 61 MR

- Same as 61 R with a magnetic base.

### 61 SL



- Same as 61 R with a wide base.
- 200 mm length.
- 110 mm width for use on cylinders with diameters up to 500 mm.
- 200 mm width for use on large diameter cylinders.

*All our precision levels are supplied in a varnished wooden case.*