



Workpiece Measurement



Radio Transmission



Diameter Measurement



Adaptive Machining



Coolant Load



Mass Production



Wear Compensation



Bore Gauges **BG60** | **BG61**

HIGHLY PRODUCTIVE BORE MEASUREMENT

BLUM
focus on productivity



Bore Gauges **BG60** | **BG61**

HIGHLY PRODUCTIVE BORE MEASUREMENT

Highly precise solution for in-process measurement of bore diameters in mass production

BLUM bore gauges are machine-independent measuring systems for quality monitoring of tight tolerances fits in highly productive machine tools and transfer lines. The determination of compensation values in the initial setting permits a highly accurate process control, e.g. in the production of engines, valves or compressors.

- BG60: Automatic measurement of bores (> 3 mm)
- BG60: Standard solution using measuring system with float principle
- BG61: Time-optimized measurement of multiple characteristics or very large diameters
- BG61: System configurations with up to 8 measuring elements can be realized

Your benefit:

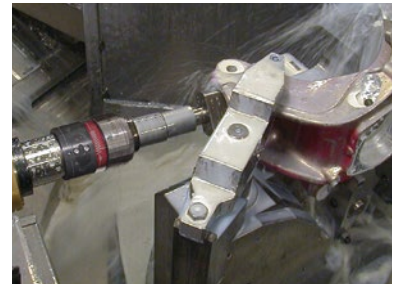
- Fastest data logging
- Measuring device for controlling mechatronic tools
- No-wear, optoelectronic measuring mechanism
- Elimination of costly post-process measuring station
- High production quality and productivity and maximum productivity
- Proven and robust design

Reliable and proven transmission technologies

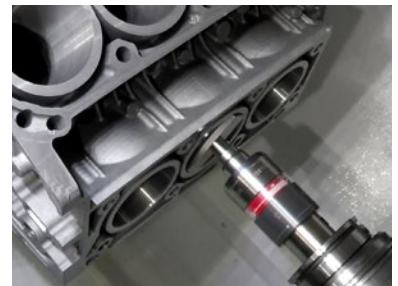
Bore gauges from BLUM are available with radio technology:

- Extremely fast and reliable transmission
- Use of up to 16 bore gauges with radio signal
- Simultaneous use of 2 radio measuring systems on one machine (TWIN-Mode)

System overview



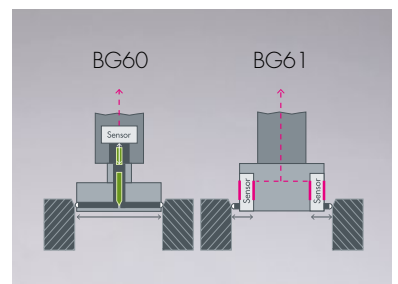
Measurement of a steering knuckle before slitting



Automated measurement of cylinder bores



BG61: Solution with up to 8 individual measuring elements



Measuring principles of the BG-series

Technical data

BG60

BG61

	BG60	BG61
Size	Ø 63 mm	Ø 63 mm
Transmission type	Radio	Radio
Measuring elements	1	up to 8
Resolution	12 bit / 0.15 µm	12 bit / 0.15 µm