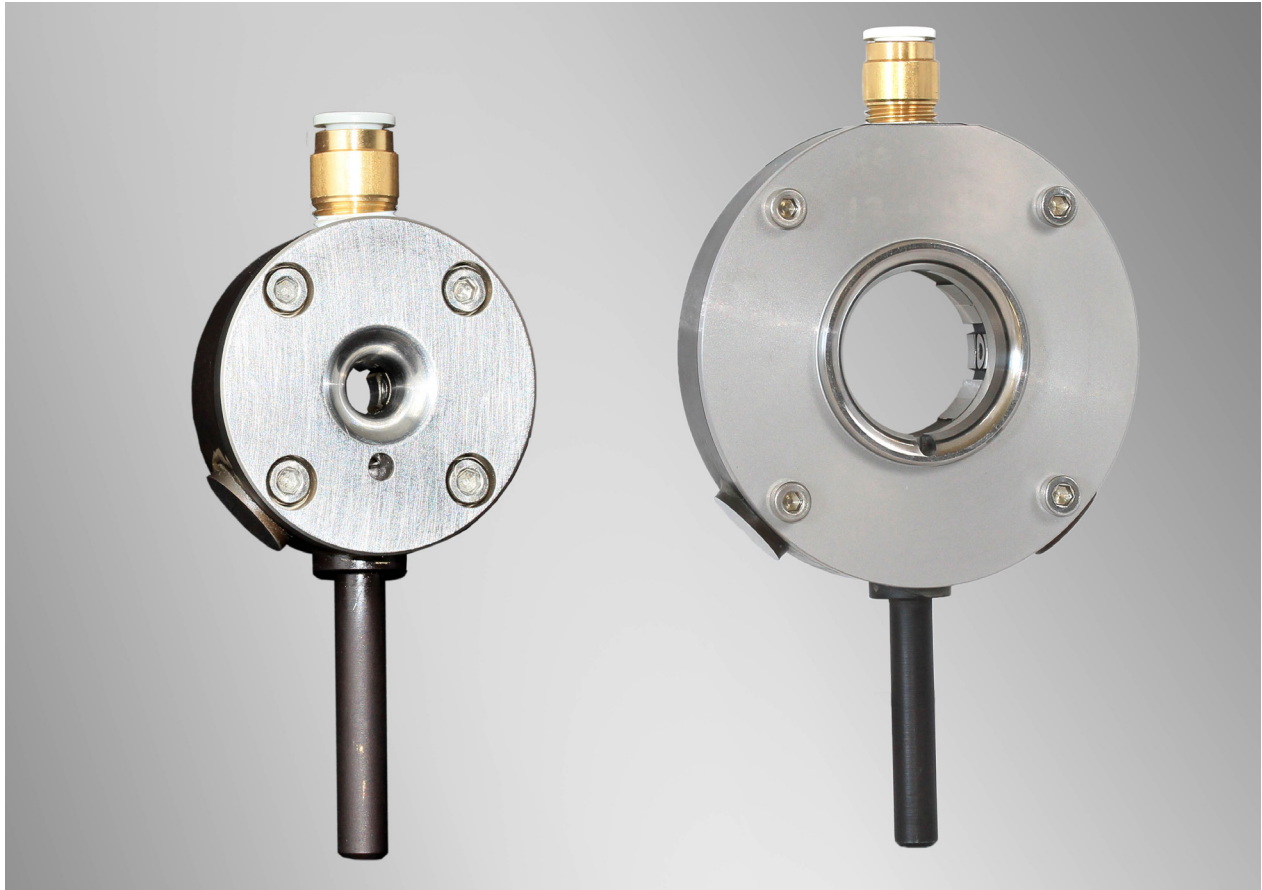


Gageline AG283

Air gauge rings for long shafts at the outlet of centerless grinding machines



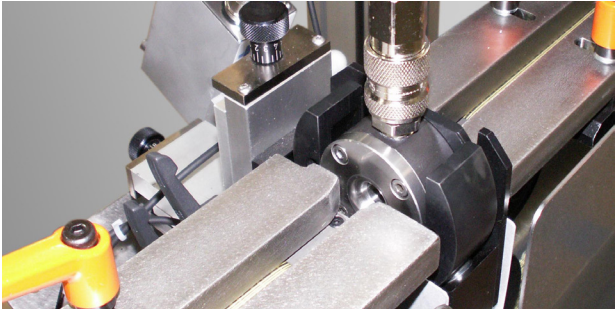
System features

- High-precision pneumatic measurement
- Fast adaptation to different diameters
- Wide range of diameters from 5 to 51 mm
- Quick change system, easy handling
- Adaptation to a floating standard system to compensate for workpiece unevenness
- Exchangeable guide ring at the inlet
- Integrated, highly resistant reinforcement to protect against wear and tear
- Use with transducer TPE99, TPE200 and integrated nozzle block in combination with one of the measuring computers Vega or Sirius
- Connections for hose (Ø 6/8) and M14/1 plug included in scope of delivery

Advantages of the pneumatic measuring principle

- Non-contact measurement
- High sensitivity and accuracy
- Extremely robust and dirt resistant, therefore suitable for measurement in harsh workshop conditions
- Self-cleaning of measured surfaces

Gageline AG283
Air gauge rings for long shafts



Example for the integration of an air gauge ring AG283 in a conveyor belt at the exit of a centerless grinding machine



Rear side of an air gauge ring E315830-000 M14/100 connector



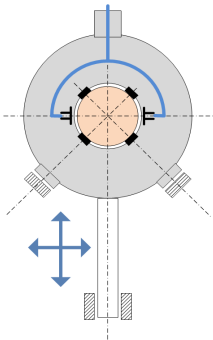
AG283 air gauge ring integrated in floating system

Technical data

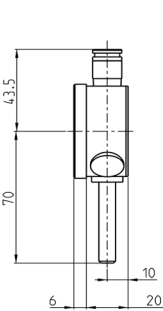
Operating temperature	+15 °C to +40 °C
Measurement noise	<0.1 µm
Measuring capacity	available: ±10, ±20, ±40 and ±80 µm
Repeatability	R&R <10 % with tolerance ≥10 µm (0.010 mm)
Nozzle	2x nozzle no. 2 or no. 3

Floating system	Art. no.
For AG283 (Ø 5–13 mm)	E024584-000 without nozzle block
For AG283 (Ø 13–26)	E024584-000 without nozzle block
For AG283 (Ø 25–51 mm)	E325061-000 without nozzle block and adapter E327088-000 for Gageline AG283 (ø 5–13 mm or ø 13–26 mm)

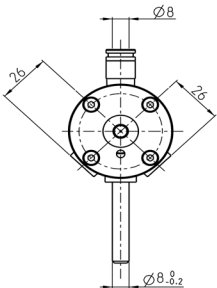
Measuring principle of the floating system



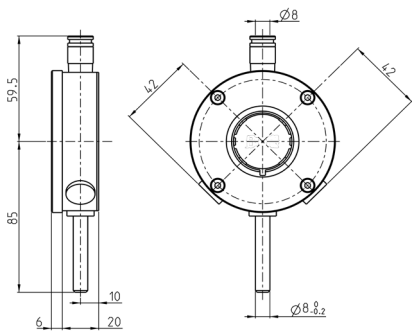
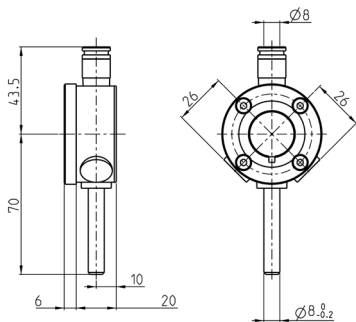
Air gauge ring	Hole no. 2	Hole no. 3
Ø 5–13 mm	E315830-000	E334182-000
Ø 13–26 mm	E316573-000	E329831-000
Ø 25–51 mm	E320457-000	E332711-000



Air gauge ring E315830-000



Air gauge ring E316573-000



Air gauge ring E320457-000