

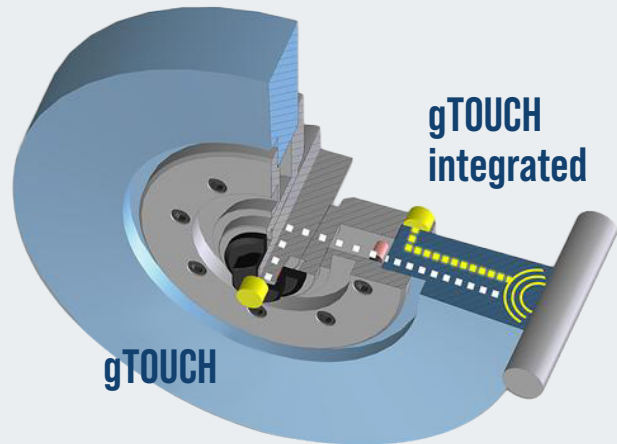
gTOUCH



gTOUCH & gTOUCH integrated

The highly sensitive gTOUCH integrated sensor system has been integrated into the grinding wheel flange and is therefore located at the closest point to the source of structure-borne noise, i.e. directly on the grinding wheel.

The gTOUCH integrated is particularly suitable for scratching and / or dressing with special grinding wheels such as carbon or plastic wheels.



Operation Manual

Operating instructions for grinding wheel flange with integrated noise sensors

Scope

- Grinding wheel flange with integrated noise sensors
- Flange nut for signal transmission

Usage

- The use of the grinding wheel flange with the integrated noise sensors is almost impossible identical to that of a conventional grinding wheel flange. However, please note that the function of the integrated noise sensor system can only be achieved through the combination of flange and nut.
- As usual, there is an intermediate ring made of paper or plastic when clamping the grinding wheel. For the optimal signal transmission, a cutout on the paper or plastic ring should be added to have direct contact between sensor and grinding wheel body.
- When clamping the grinding wheel, pay attention to the clamping screws evenly and with the correct torque (depending on the used grinding wheel).
- Also make sure that the correct distance of approx. 1 mm is set between the flange nut and the receiver on the grinding wheel guard.
- The operation of the sensors remains identical to the previous solution, but usually requires significantly lower amplification values.





Description price list positions

8001916

Grinding wheel flange Ø 127 mm, cone Ø 63 - gTOUCH

Including externally located balancing segments & gTOUCH embedded in the grinding wheel flange for grinding wheels

- Ø 300 – 400 mm
- Centering bore Ø 127 mm
- Tool fixture cone 1:10, Ø 63 mm
- Clamping range 22 – 63 mm

8001864

Grinding wheel flange Ø 203.2 mm, cone Ø 63 - gTOUCH

Including externally located balancing segments & gTOUCH embedded in the grinding wheel flange for grinding wheels

- Ø 450 – 500 mm
- Centering bore Ø 203.2 mm
- Tool fixture cone 1:10, Ø 63 mm
- Clamping range 25 – 80 mm

8001860

Integrated gTOUCH sensor for one external grinding wheel

Used to reduce the feed time over the air gap for external grinding, embedded in the grinding wheel flange and mounted onto the end of grinding spindle. Contactless signal transfer.

Available with the first equipment only and only together with the basic module for gTOUCH sensors and automatic balancing devices.

8001861

Integrated gTOUCH sensor for two external grinding wheels

Used to reduce the feed time over the air gap for external grinding, embedded in the grinding wheel flange and mounted onto the end of grinding spindle. Contactless signal transfer.

Available with the first equipment only and only together with the basic module for gTOUCH sensors and automatic balancing devices.

Argumentation

In processes with very high surface qualities and the smallest contact widths and / or grinding wheels with damping bodies (e.g. plastic, carbon, etc.) the gap function using the current gap devices is limited or not possible at all.

This new structure of the integrated noise sensor system is designed to bypass almost all disturbing noises and is therefore able to deliver a reliable signal even in extremely difficult situations, which not only allows for touch on the workpiece, but also allows conclusions to be gained about the process (pressure reduction, etc.).

Existing flanges can also be used with the new version of the integrated noise sensors.

