

VarioSense bearing

Sensors make physical processes transparent and supply data for analysis and digital processing. In this context, the following principle applies: The more precise the measurement, and the more relevant measured values that are recorded, the sharper the digital image will be.

Rolling bearings are fitted where mechanical forces occur. They are therefore ideally suited for gathering information for controlling processes and machine monitoring.

VarioSense bearings ensure that the digitalization of bearing positions is carried out easily

Advantages at a glance:

- Integration of several functions and measurement parameters in one sensor bearing
- Sensor configurations for all customer requirements
- Identical design envelope for all configurations
- FAG standard bearings with their outstanding mechanical characteristics as a basis
- No additional radial design envelope required
- Simple installation: Plug & Play

and quickly. For this purpose, FAG standard bearings are supplemented with the VarioSense sensor cluster. This does not change the usual outstanding mechanical characteristics of the bearing.

The VarioSense sensor cluster can be equipped with several different sensors at the same time depending on requirements. In this way, VarioSense bearings combine standard solutions from the catalog with maximum requirement-based configuration options.

Make sure the success factors in your application are calculated – with VarioSense bearings!



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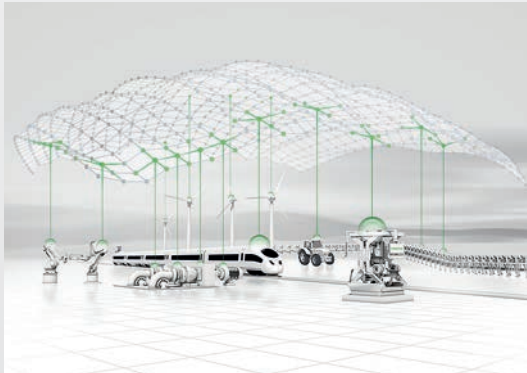
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VarioSense

Modular Sensor Bearing



Added value through digitalization



The digital revolution and the linking of components and systems increases the efficiency of machines and facilities.

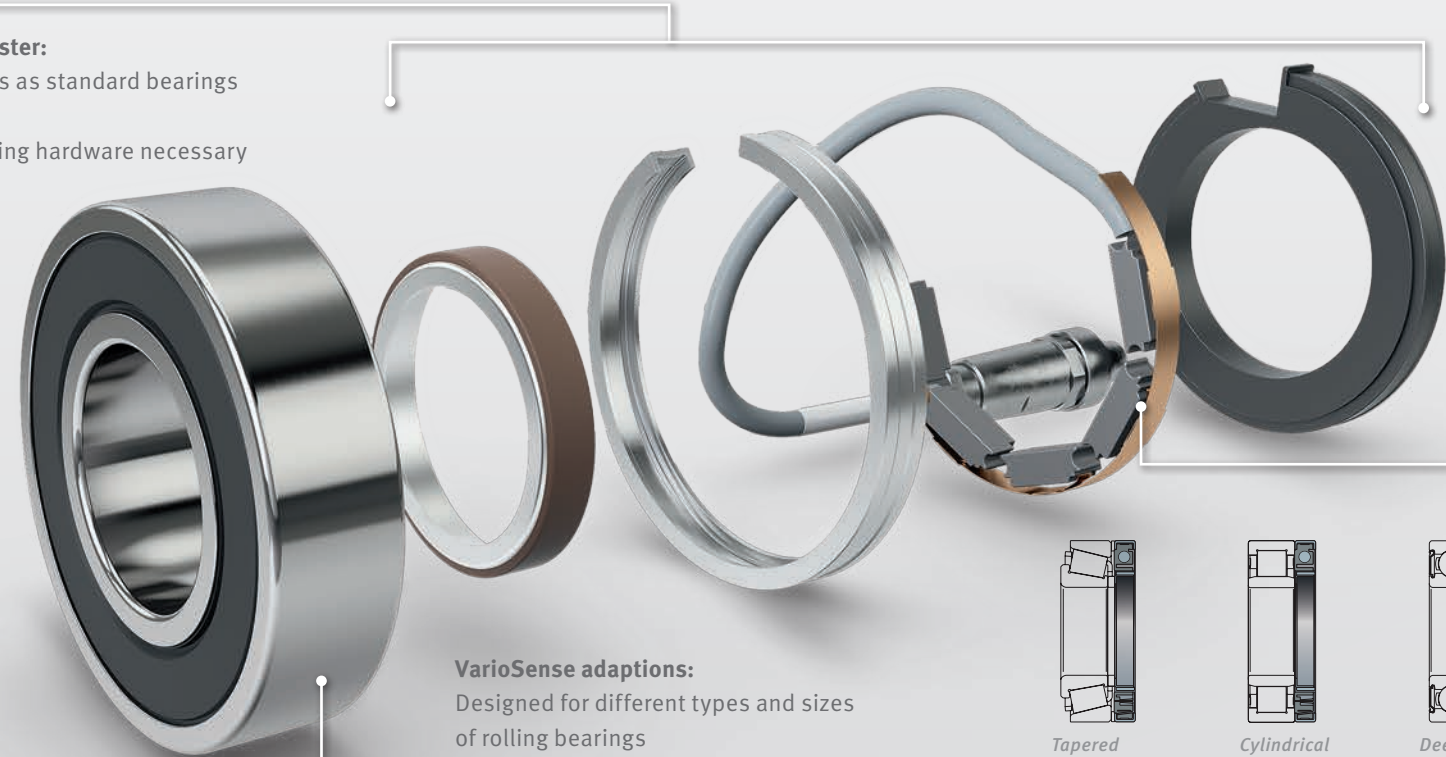
Schaeffler is shaping the field of digital transformation with a clear vision and specific solutions.

Schaeffler's Smart Ecosystem 4.0 offers a standardized hard and software infrastructure from components equipped with sensors through to digital services and business models:

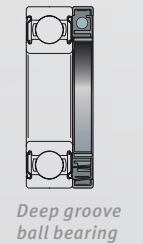
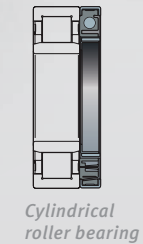
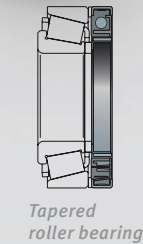
- You can reliably and precisely gather important data for controlling processes and machine monitoring **with sensors and mechatronic products** such as the **VarioSense bearing**.
- Use our unique **Schaeffler domain expertise** in the form of **digital services** to automatically generate relevant information from the collected data and to receive specific recommended actions.
- Benefit from our various digital solutions for industrial applications and use these solutions in a targeted manner to **control processes, maximize availability, and optimize product quality**.

VarioSense sensor cluster:

- The same dimensions as standard bearings
- Width 7 mm
- No additional mounting hardware necessary



VarioSense adaptations:
Designed for different types and sizes of rolling bearings



VarioSense configurations:

Requirement-based sensor configurations for the simultaneous collection of several measured values

Possible measured values:

