

FAG



Active Magnetic Bearing

Our systems expertise is your benefit

SCHAEFFLER

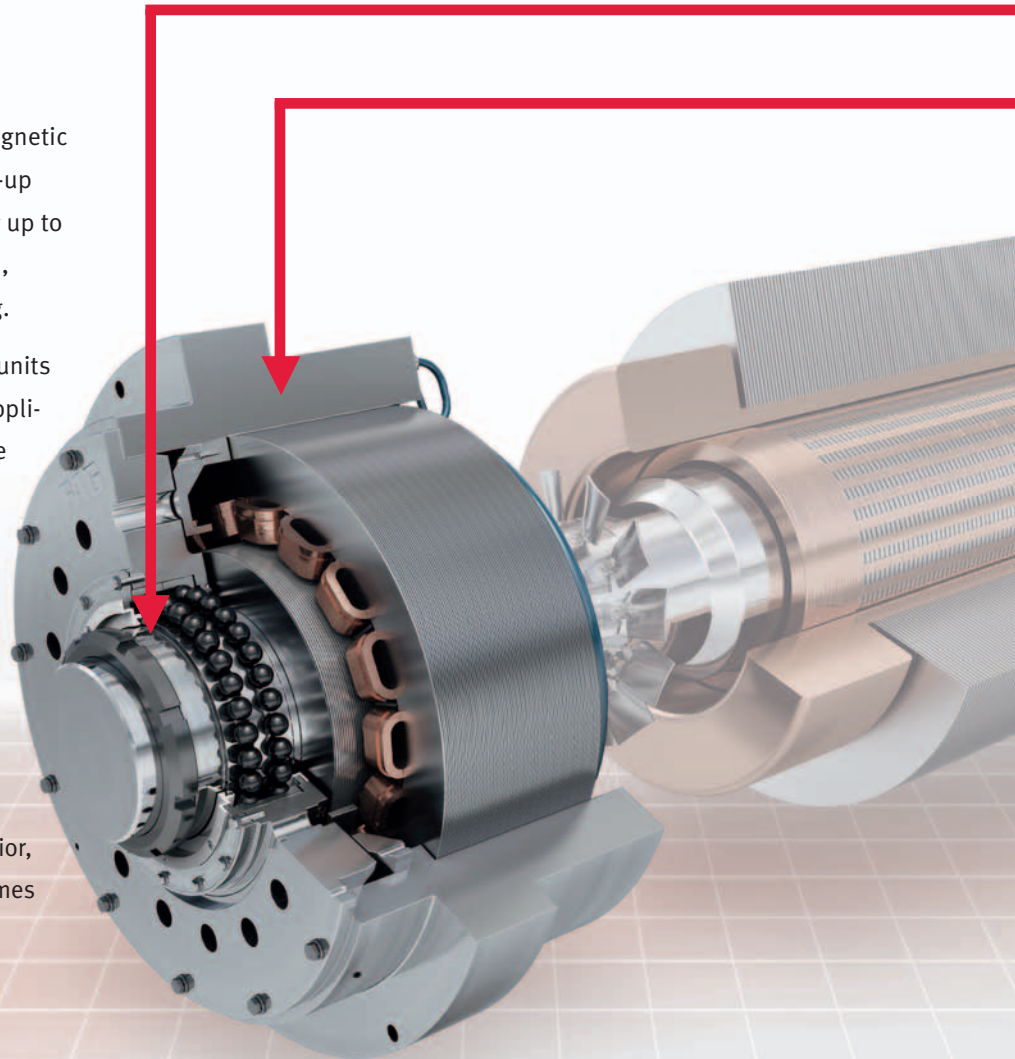
Our new system solution from a single source

Our offer: Design and simulation of magnetic bearing systems including rolling back-up bearing technology for shafts weighing up to several tons as well as initial operation, maintenance and condition monitoring.

Your benefits: Standardized complete units for various performance classes and applications as well as comprehensive service from only one source.

Our highlights: Perfectly matched magnetic bearing and rolling back-up bearing technology.

Your benefits: Predictable system behavior, back-up bearings can be used several times after shaft drops, shorter downtimes.



The System Modules

... for electric motors

Radial rolling back-up bearings (hybrid angular contact ball bearings)



Radial magnetic bearings

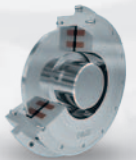


Electronic control system and power electronics



... and other available modules

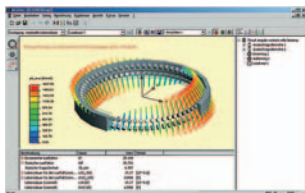
Axial magnetic and back-up bearings



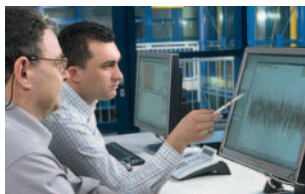
Our highlights: Use of established electronic control systems and power electronics.

Your benefits: Process reliability, high dynamics and simple integration in the machine architecture.

Engineering, initial operation, service: all from one source



Calculation and design of the system using Schaeffler's simulation platform and our calculation software BEARINX® developed in-house.



Configuration, development, initial operation and maintenance of the system by our engineers worldwide.



On request: Condition monitoring with FAG ProCheck; our experts will provide a recommendation regarding the further operation of the system if needed.