

We pioneer motion

Schaeffler solutions for electric motors



Continually under power – while being quiet, reliable and efficient

Electric drives are used in all industries for a wide variety of applications. Their *trouble-free, energy-efficient and quiet operation* is essential.

Intelligent service solutions not only minimize costs, working time and risks, but also facilitate user-friendly and safe working conditions. Service solutions are essential building blocks for tomorrow's competitive production.

From intelligent condition monitoring, to automatic lubricators and premium lubricants, through to expert services, Schaeffler offers holistic solutions as a competent partner.

Relubrication with a plan – for reduced downtime and maintenance costs

Almost 80 % of bearing failures can be attributed to problems with the lubrication. The reasons often have to do with aging grease, unsuitable grease quantities or grease types as well as contaminants that have been introduced over time. With Schaeffler lubricators, these problems can usually be avoided as fresh lubricant is supplied fully automatically at the correct interval and in the correct quantity to the exact contact points of the rolling bearing.



Designing rolling bearings with Bearinx-online Easy EMachine

The basis for designing bearings in the electric motors is the operating data primarily the effective bearing forces, speeds and lubrication conditions. With our free online calculation services, you can perform your own service life calculations for shaft models to choose the optimal design.



Medias

Combines on a single platform the Schaeffler product catalog, consulting and design tools and an implemented e-commerce solution. Medias-interchange also lets you quickly and easily find the right Schaeffler product using a competition name. In addition to the most conventional bearing types for electric motors mentioned above, our preferred product range comprises a broad selection of standard tapered roller bearings, four-point contact ball bearings, axial and radial spherical roller bearings as well as needle roller bearings.

See for yourself at:
medias.schaeffler.de



Our product and service catalog for your industry

The perfect machine should have maximum availability – regardless of location

Special requirements apply to rolling bearings, depending on the application and design. Schaeffler offers top availability for a wide range of premium standard bearings with friction-optimized designs for energy-efficient operation, a longer service life and extended maintenance intervals.



Optime for electric motors in the hardening shop



Deep groove ball bearings

In addition to the standard designs, we also offer particularly quiet, lifetime-lubricated GenC bearings with 2Z seals, L069 or L207 grease and C3 radial internal clearance of the 62 and 63 series. We also have hybrid bearings with ceramic balls in our portfolio.



Single-row angular contact ball bearings

These bearings are manufactured in a universal configuration for installation in pairs directly adjacent to each other. We offer top availability for the conventional designs of series 72 and 73 with MP and TVP cages. Here, a distinction is made between UO (zero backlash), UB (low axial clearance) and UA (slightly higher axial bearing clearance).



Cylindrical roller bearings

X-life quality is characterized by its improved surface quality, optimized internal design and contact geometry between the rollers and raceways. As such, the design configuration results in a longer calculated service life thanks to higher load ratings as well as lower temperatures in operation.



Insutect coated bearings prevent current passage

The external dimensions of the current-insulating rolling bearings correspond to the standard dimensions and are therefore interchangeable with standard bearing designs. The standard J20AB design (120 µm) and the J20AA Premium coating (200 µm) in particular offer excellent protection from damage caused by current passage.



Premium lubricants

Our ARCANOL range includes the MULTITOP rolling bearing grease – a high-quality standard lubricant that has proven itself for many pumps. If slightly higher temperature requirements prevail, our ARCANOL TEMP90 is a good choice and ensures extended relubrication intervals at high temperatures.



Relubrication always in check – everywhere! The new OPTIME C1

The OPTIME C1 utilizes the smart OPTIME technology to visualize the status of the Concept1 lubricator. Fill levels and problems are displayed in the OPTIME app or on the dashboard. Regardless of location. Intelligent. Simple.



Condition monitoring at very low cost with Schaeffler OPTIME

Schaeffler OPTIME makes condition monitoring affordable for all plants. With OPTIME, the accessories of entire plant facilities can be monitored comprehensively, fully automatically and in a cost-effective manner.

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