



We pioneer motion

Schaeffler solutions

for increased noise requirements in electric motors and submersible pumps

Are you looking for noise-free bearings? Look no further than us.

Look no further than our GenC deep groove ball bearings featuring particularly quiet operation. In addition to low-friction and energy-efficient operation, the lowest possible level of running noise is often a particular requirement of small electric motors, such as drives for fans or submersible pumps. FAG deep groove ball bearings from Schaeffler, particularly the One Schaeffler GenC design in premium quality, are particularly suitable for these requirements.

SCHAEFFLER

FAG Generation C deep groove ball bearings in One Schaeffler design

The standard version is quiet – the One Schaeffler GenC design is unbelievably quiet!

- The V2 standard noise requirements for electric motors are reliably covered by the standard FAG deep groove ball bearing design. (Order designation example 6315-2Z-C3)
- V3 noise requirements are covered by the FAG deep groove ball bearing One Schaeffler GenC design. (Example: order designation 6205-C-2Z-C3)
- For the highest V4 noise requirements, GenC design with suffix GQK0 is available by agreement. (Order designation example 6205-C-2Z-P5-GQK0-C3)

One Schaeffler GenC design – setting the benchmark in friction and noise

A competitive comparison of a 6202-C-2Z-C3 with sheet steel cage, non-contact 2Z sealing shields, and C3 radial internal clearance, showcases the effectiveness of FAG GenC deep groove ball bearings in the two key requirement areas relating to friction – energy efficiency and noise.

Bearings lubricated for life with high temperature suitability?

In order to ensure that the bearings not only run quietly, with low levels of friction, but also for the maximum possible duration, consideration must be given to all operational requirements, particularly elevated temperatures.

For rolling bearings with lifetime lubrication, the grease operating life is of particular importance. It describes the period over which the grease is capable, without relubrication, of lubricating the bearing to an adequate extent. In cases where relubrication is not possible, this therefore becomes the determining factor in the actual operating life of the bearings. To this end, we can offer you FAG GenC deep groove ball bearings, complete with the standard, non-contact 2Z sealing shields for excellent sealing effect, C3 radial internal clearance, and a special L069 or L207 grease application with optimal temperature suitability, as part of our preferred program.

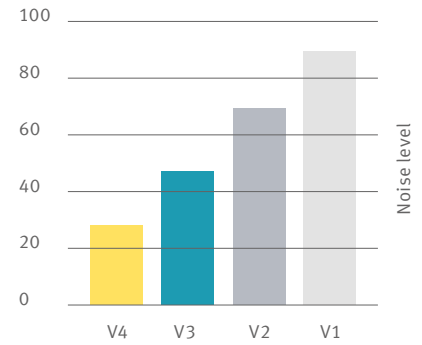
(Order designation example 6305-C-2Z-L069-C3)

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 any required actions are displayed in the OPTIME app or on the dashboard. Regardless of location. Intelligent. Simple.

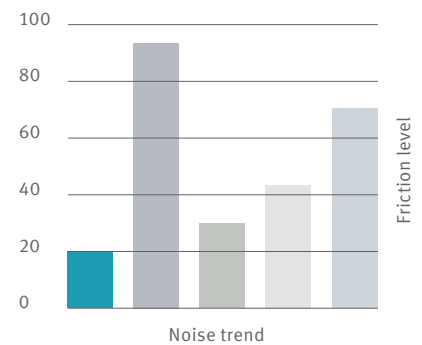
Condition monitoring at very low cost with Schaeffler OPTIME

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.



V1-V4: Noise class according to Chinese standard GB/T 32325-2015

- Minimum standard
- FAG standard design
- One Schaeffler GenC design
- One Schaeffler GenC design with suffix GQK0, available by agreement



Competitor comparison of 6202-C-2Z-C3

- Schaeffler
- Competitor 1
- Competitor 2
- Competitor 3
- Competitor 4



Condition monitoring for electric motors