



We pioneer motion

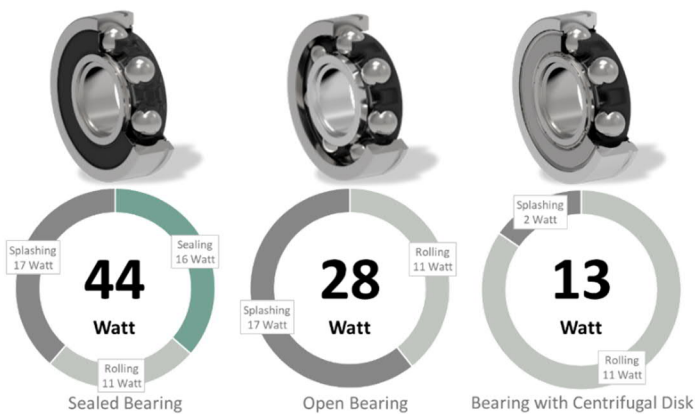
High Efficiency Ball Bearing with Centrifugal Disc

Simply Clever

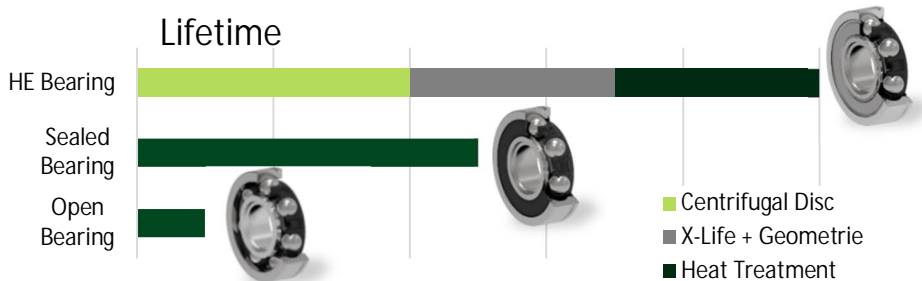
High Efficiency Ball Bearing with Centrifugal Disc



The new **Schaeffler High Efficiency Ball Bearing with Centrifugal Disc** combines the benefit of an open bearing and a sealed one. The integrated patented centrifugal disc reduces splashing losses, features no sealing friction and prevents the bearing from contamination.



The **High Efficiency Ball Bearing** has up to 80 % less friction than a sealed ball bearing and even up to 60 % less friction than an open ball bearing.



The **High Efficiency Ball Bearing with Centrifugal Disc** is part of the X-life bearing family. This offers an increased lifetime up to 10 times compared to an open ball bearing and up to 2 times compared to a sealed ball bearing. The **High Efficiency Ball Bearing** can be used in applications with oil lubrication.

High Efficiency Ball Bearing with Centrifugal Disc



Friction reduction $> 0,3$ Nm for the complete transmission
CO₂-reduction $\sim 0,1$ g/km per bearing



10 W to 30 W power loss reduction per bearing



Cost reduction up to 5% compared to a clean bearing with equal dimensions



Lifetime up to 10 times higher compared to an open bearing



Downsizing → smaller design space with same lifetime



Cost-efficient Durotect B coating against creeping wear

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Overall, the High Efficiency Ball Bearing is a simple and smart solution with a big impact on the total performance, as well as on the overall efficiency of the application.