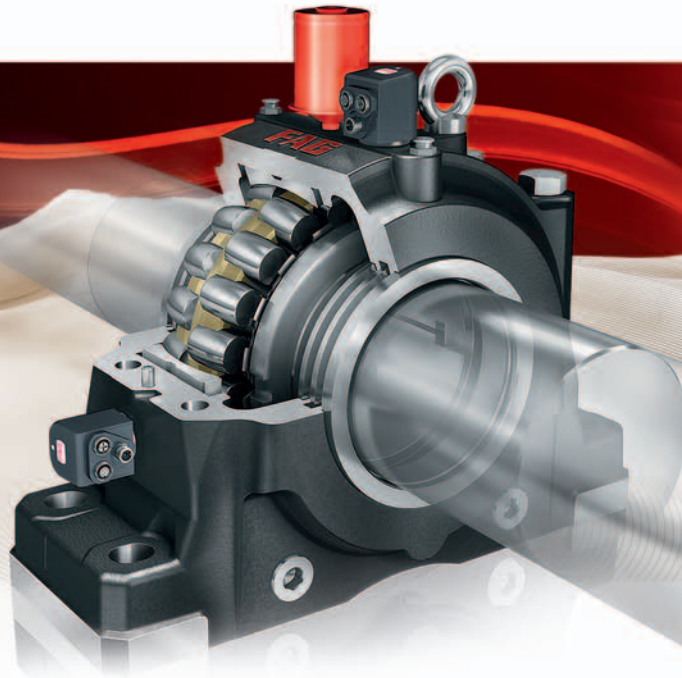


FAG



SNS Plummer Block Housing

50% increase in bearing life

SCHAEFFLER



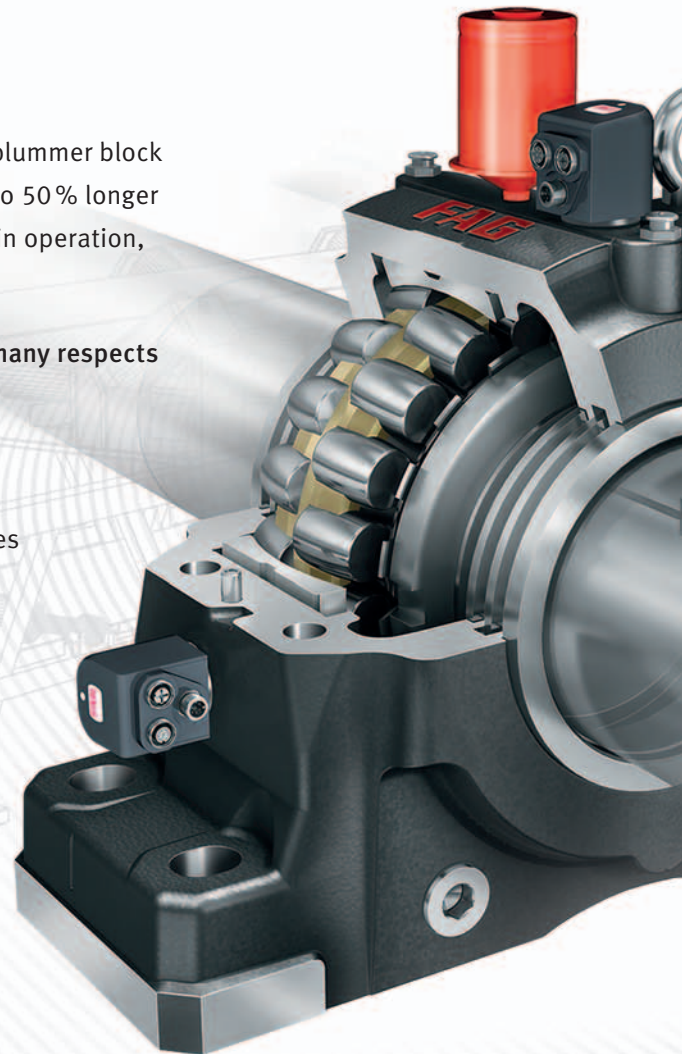
New: A proactive housing...

This is the life! Product life in this new generation of SNS plummer block housings is so good that spherical roller bearings last up to 50% longer than usual. This is due to a unique housing design: When in operation, the SNS housing proactively self-adjusts to the bearing.

Using this FAG housing generation will pay off for you in many respects

- Longer life of the rolling bearings used
- Easy to interchange due to dimensions in accordance with the market standard
- Reduced maintenance requirements and fewer downtimes
- Lower mounting costs
- Reduced use of materials
- Lower disposal costs

50%
increase
in bearing life



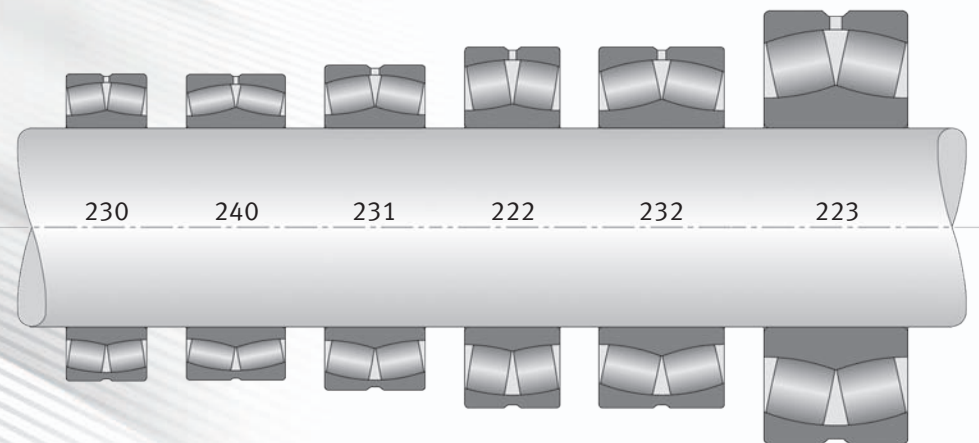
1-to-1

replacement for
conventional solutions

... for use in several sectors

- Crushers and hoisting plants (mining)
- Conveyor belt systems and drive wheels
- Paper mills
- Ventilators
- General heavy mechanical engineering

SNS housings are suitable for spherical roller bearings of series 230..., 240..., 231..., 222..., 232.. and 223... – for bore diameters from 115 mm to 530 mm.



Condition monitoring

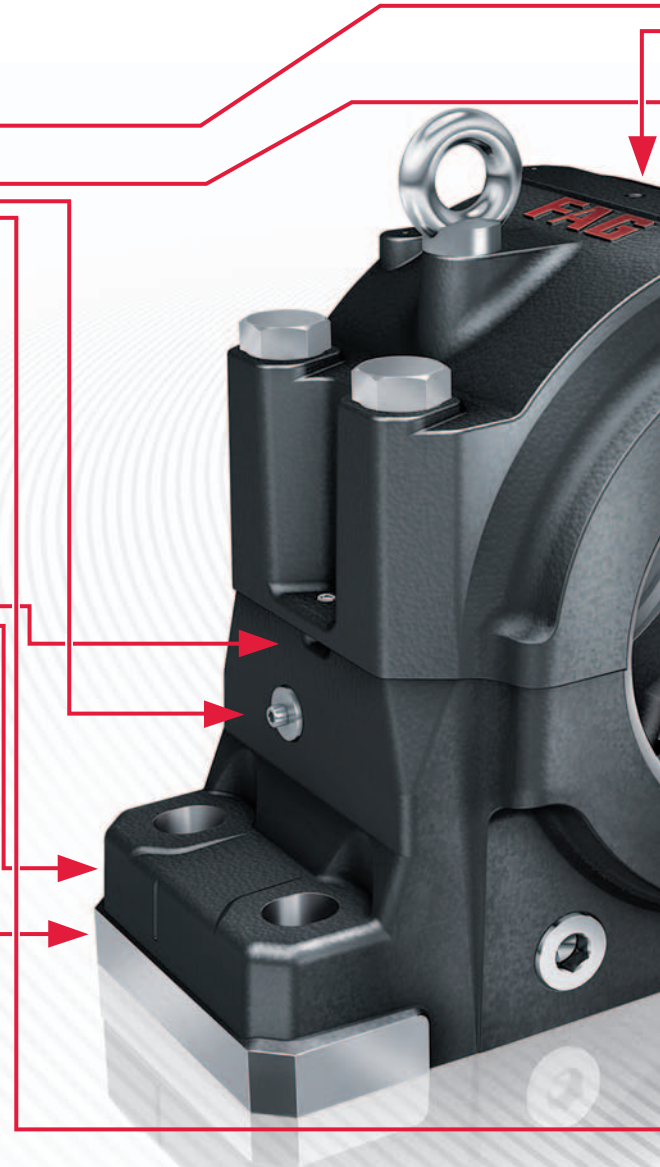
Condition monitoring for preventing unplanned downtime:

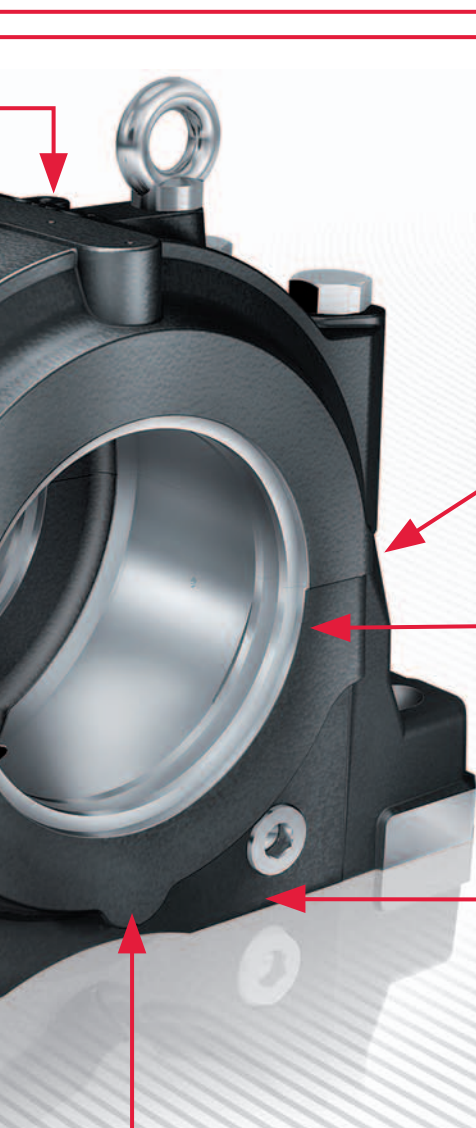
- Predefined positions for condition monitoring, for example using FAG SmartCheck, a sensor for vibration diagnosis in real time
- Grease condition monitoring using FAG GreaseCheck can be easily integrated

Mounting

Simple mounting and precise positioning of the housing due to:

- Lateral location faces that are reworked by machine for high dimensional accuracy
- Recessed dismantling slots for easier removal of the upper housing section
- Notches on the lower housing section for optimum positioning of the housing





Lubrication

User-friendly maintenance:

- Effective bearing lubrication by means of a lubrication groove in the upper housing section – for example using FAG CONCEPT8
- Lubrication is ensured in every bearing position

Seal

Our standard range provides the optimum seal for every application:

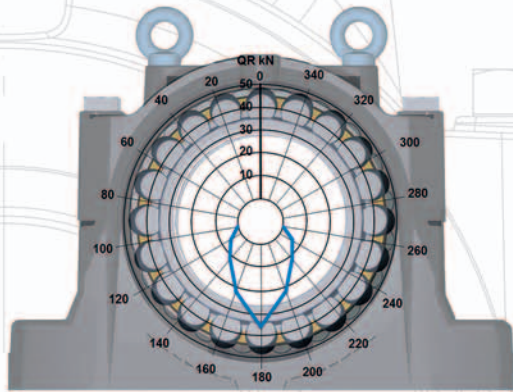
- Labyrinth seal for high circumferential speeds
- Taconite seal for extreme contamination or dust

Housing material

High-quality spheroidal graphite cast iron is used as standard material:

- High breaking strength
- Only slightly sensitive to shocks

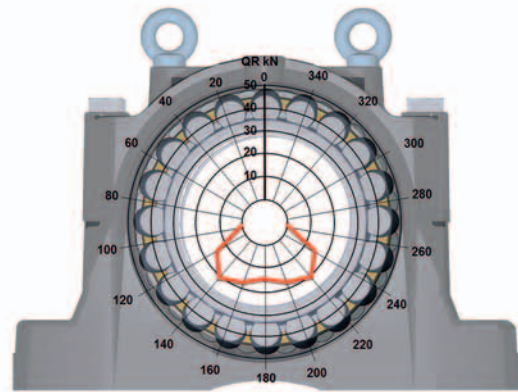
Optimized load distribution protects the bearing...



Conventional load distribution

The support in the center leads to an unfavorable, restricted load zone. The rolling elements at the apex are subject to higher loads, while the load is removed from the neighboring rollers. The rolling element load also increases if the load on the bearing increases.

Result: Premature failure of the bearing

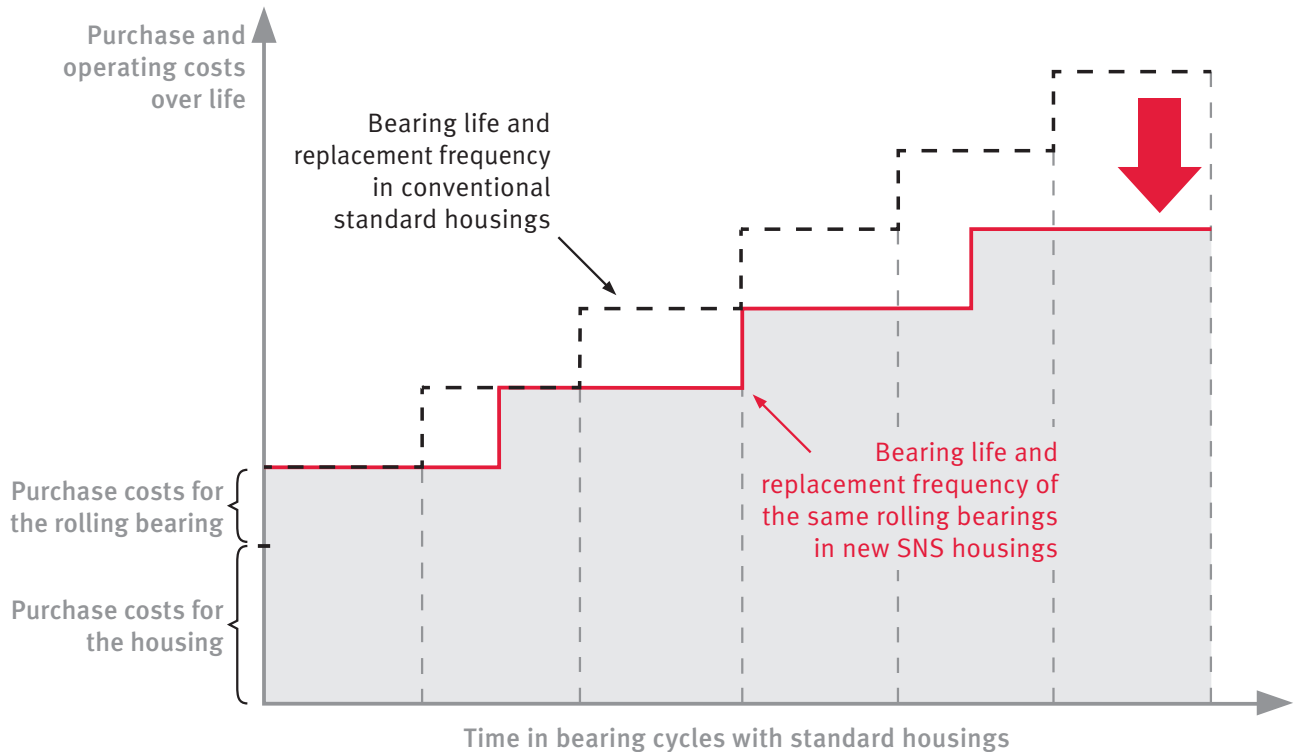


Load distribution in the SNS housing

The cutaway underneath the bearing produces a significantly wider load zone. The bearing load is more evenly distributed on several rolling elements. The maximum load is not located on the roller at the apex but on the neighboring rollers. The rolling elements are subject to reduced load in the new housing.

Result: A significantly longer bearing life

... and helps to reduce overall costs (TCO)



Conclusion: Up to 50% longer bearing life due to the innovative and proactive housing design



Interested? Then ask us for more information.
All technical data is available in the new TPI 231.
Visit us online at www.schaeffler.de/housings/sns
for detailed information.

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We reserve the right to make technical changes.

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