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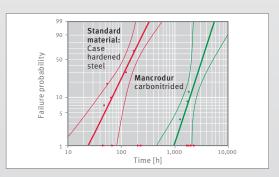
Basic training course on rolling bearings

Current rolling bearings are high-tech products. Their performance has been continuously improved over the last few years. Our basic training course on rolling bearings includes important fundamental principles. These range from the calculation of the required internal clearance to the behavior of the rolling bearing in its operating condition, as well as ways of increasing the performance of a rolling bearing and explanations of the numerous technical terms such as load ratings or limit loads. Schaeffler also offers an advanced rolling bearings training course that builds on the knowledge gained in the basic course.



Contents

- The rolling bearing during operation, such as load distribution and tilting
- Internal clearance, bearing and operating clearance
- Rolling bearing geometry
- Rolling bearing kinematics
- Materials technology
- Load ratings
- Rigidity, deflection
- Rating life (definitions / backgrounds)
- Speeds



- Friction and heat balance
- Tribology (basics)
- Surface technology
- Statistics (Weibull)

Customer benefits

- Systematic advanced training
- Defect prevention when designing bearings
- Performance-optimized application of rolling bearings (longer operating life and increased machine availability)
- Cost reduction

Target group

- Engineers and technicians
- Commercial personnel in technical sales





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Every care has been taken to ensure the correctness of the information contained in this publication but no liability can be accepted for any errors or omissions. We reserve the right to make technical changes.

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