

Schaeffler Technology Center – Training



SCHAEFFLER

More knowledge and more efficiency

Our training concept

Rolling bearings, linear guidance systems, and plain bearings: All indispensable components in thousands of modern applications. Our high-precision products contribute to progress in everything that moves. However, an in-depth understanding is required if they are to be used to their utmost efficiency. This is why the Schaeffler Technology Center – Training has a modular range of training courses on offer, which fully cover the individual information requirements of technical and commercial employees.

System: Basic principles through to in-depth specialist knowledge of rolling bearings, mechatronics, systems engineering, assembly, dismantling, and condition monitoring. The incremental learning pro-

cesses are divided into basic, advanced, and intensive levels.

Trainers: Didactically and methodically qualified trainers provide maximum learning success within compact training modules and ensure that a practice-oriented knowledge transfer takes place even at non-central locations.

Quality: Results gathered from market observation, exchanges of experiences, feedback, ideas, and suggestions from participants go into continuously improving the range of training courses. The Schaeffler Technology Center – Training is also certified according to ISO 9001:2008, which is thanks in part to our high demand for quality.



We transfer our knowledge worldwide

Our training locations

Global network of training centers

Because we are in close proximity to our customers all over the world, our state-of-the-art training facilities are also always situated locally - so new knowledge is never far away and a major technological edge can be achieved quickly. All Schaeffler training centers offer theoretical and practical courses in modern training facilities.



On-site training courses

Whether it's a course from our standard program or a specialized individual course, high participant numbers and special applications are just a couple of the reasons why training your employees on site at your location often makes sense. Our experts always bring the necessary equipment with them.



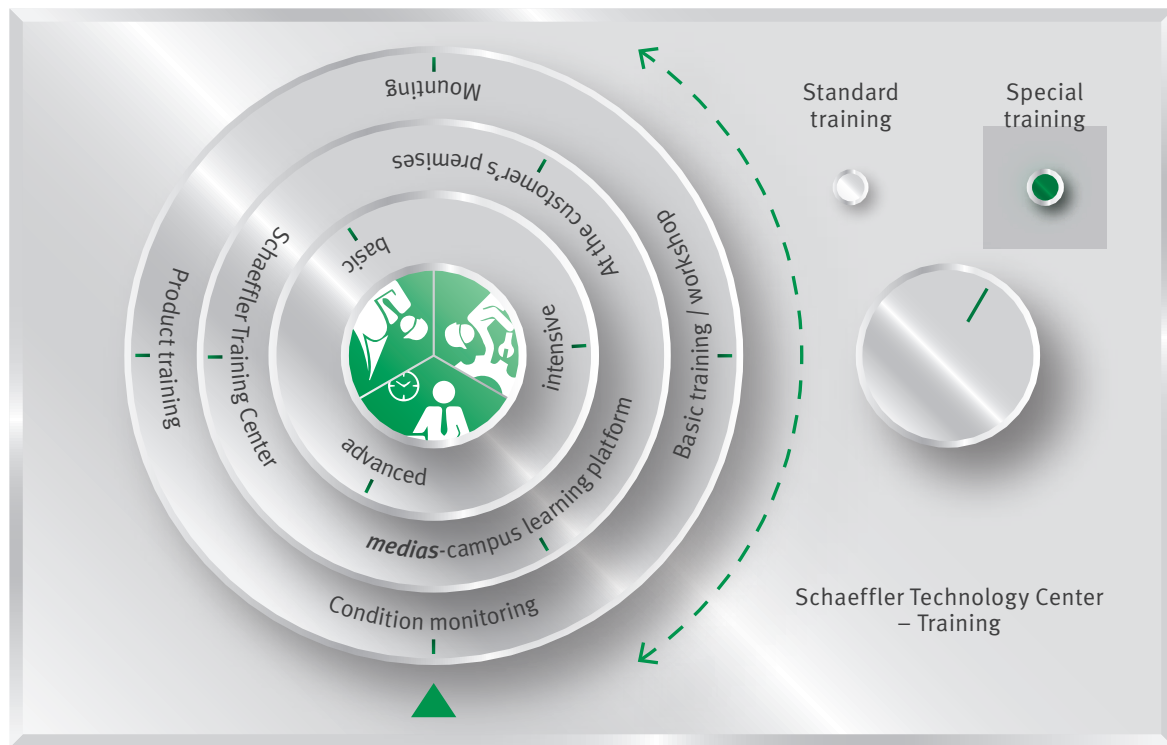
Online training courses on medias-campus

With the *medias*-campus learning platform, new knowledge is just a few clicks away and allows you to plan your learning time freely, determine the order of topics yourself, and remain flexible. You can choose between products, rolling bearing basics, mounting, and condition monitoring and track your progress in the subsequent tests.



Individual acquisition, expansion, and application of knowledge

Schaeffler Technology Center – Training



The **modular range of courses** on offer at our Schaeffler Technology Center – Training is based on the principle of holistic expertise and includes the entire product and service portfolio while offering all participants the greatest possible range of individual selection and expansion options. This means every employee gains precisely the knowledge they need for their day-to-day work, e.g. in design, assembly, maintenance, and purchasing.

Understanding and using products

Product training courses

Only those with in-depth knowledge of a specific technology can use it properly or recommend it to their customers. Our product training courses provide this comprehensive knowledge and allow you to get to know Schaeffler's products from the basics onwards – starting with the product's history and including numerous possible applications and product combinations for typical bearing supports. Numerous details, including designations, instructions for use, and supplementary solutions, save valuable time in practice

and improve the results. Our modular range of courses allows you to learn in stages.

Essential training features include

- Familiarization with various products
- Valuable application information
- Advanced combinations and solutions



Intelligent use of rolling bearings

Rolling bearing basics courses and workshops

Our training modules include a broad spectrum – from rolling bearing theory through to selected applications. In the theory segment, you will learn everything you need to know about factors such as bearing clearance, while the workshops provide practical expertise for specific applications such as bearing supports in machine tools and shaft bearing supports. You will gain an insight into every process stage, from bearing selection and bearing calculation through to installation and dismantling using the optimum tools. You will also learn how to ensure

problem-free operation through the use of monitoring measurements and assess bearing defects, so you can identify and effectively prevent rolling bearing damage at an early stage.

Essential training features include

- Learning modules covering all specialist fields relating to rolling bearings
- Program of theoretical and practical workshops
- Tips for efficient and problem-free operation



Efficiency begins with proper mounting

Mounting

Proper mounting is decisive in determining whether a product will achieve optimum functionality and a long operating life. The professional mounting and dismounting of rolling bearings and linear guidance systems is demonstrated and practiced in a range of training modules. This means you gain valuable knowledge and skills for working in numerous applications as well as both product and system-related practical experience. This also includes mounting work in more complex systems such as transmissions, railway wheelsets, and machine tools. Courses in planning and

cost effectiveness in the repair and maintenance of machines, equipment, and rolling bearings are also an important part of comprehensive training.

Essential training features include

- Fitting and dismantling for a wide range of applications
- Practical exercises that include complex systems
- Professional repair and maintenance



Detecting damage before it occurs

Condition monitoring

In order to ensure that highly complex machines and equipment are operated with a high degree of availability, damage must be detected and potentially damaged components replaced at an early stage, ideally during planned downtimes. An ideal condition monitoring tool is vibration diagnosis. Our training courses on this subject begin with basic knowledge and an overview of the products that can be used for this purpose. Further training courses expand on this theoretical knowledge and are supplemented by practical exercises. The purpose of these is to prepare you

for our certification seminars, in which you can test and certify your knowledge of condition monitoring at various levels according to ISO 18436-2.

Essential training features include

- All preventive maintenance options through the use of condition monitoring
- Theory and exercises for best-in-class monitoring
- Qualification with certification according to ISO 18436-2



Training that goes far beyond the standard

Our special training courses

In order to ensure a high uniform level of quality in our training courses in the long term, we have developed sophisticated standards based on extensive empirical values. However, individual situations sometimes require a customized program to suit individual needs. In such cases, we can quickly and flexibly adapt our modular range of training courses. The possibilities are as varied as our technology itself.

Special training courses include:

- Individual adjustment of standard training courses
- New training course blocks that combine different topics
- Training courses on selected products
- Expansion of standard courses through the addition of specific topics
- Training courses for a specific sector or application
- Training courses that are developed completely individually



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