



Course description

Basic Training Bearing Technology

(2 days, on-site, theory and hands-on)

Training contents

This training course concentrates on the general basics of bearing techniques and on the area of application. Our bearing experts illustrate the design, features and roller bearing codes. Furthermore we will be discussing the symptoms and causes of bearing damages. In the practice orientated course component the appropriate mounting and dismounting techniques as well as the application and handling of various mounting- / dismounting tools will be conveyed.

Target group

Head foremen, foremen and mounting personnel from maintenance shops as well as interested employees. No special knowledge is required.

Training objective

The participants will learn the correct and professional handling of roller bearings and gain basic knowledge in mounting and dismounting. The attendance of the course will be confirmed by a certificate.

Duration

2 days

Venue

on site at the customers

Number of participants

4 - 12 attendees

Fee

3.900,- €

The price covers the costs of the training documents for up to 12 participants and the use of the training material during the training course. The price does not include the travel costs of our trainers and the VAT of 19%.

Miscellaneous:

Following requirements are necessary and must be established by the customer:

- Training classroom with beamer and projection screen for the theoretical part of the training.
- Training room with approx. 20 sqm open space for the practical part of the course, with level access to the ground floor for roll containers and a floor load limit of min. 500kg/sqm.

General Eligibility Requirements

Cancellation clause

In case of a cancellation from the customer side, we will charge 40,- € administrative costs. If the attendee steps back within the last two weeks before the course starts, we have to charge 50% of the course fees. It is possible to nominate another attendee in that case.

Additional costs

For delays beyond our control, the customer will be charged separately according to the prevailing business conditions. Performed services which are not shown in our offer or order confirmation will be charged additionally.

For work on Saturdays, Sundays or national holidays and night labour between 20:00 - 06:00 o'clock we charge additional 50% on our normal rates. The surcharges will be accumulated if necessary.

Expenses will not be charged within Germany. If the service takes place abroad, we will charge the actual expense sets of the German fiscal authority.

Travel costs and costs for overnight stay will be charged per call. During travels by car 0,65 € is charged per driven kilometer.

Travel hours are working hours.

During travels by car, 100 driven kilometers will be charged as one (1) working hour. The accounting rate is based on skill of the worker. The traveling time will be charged individually for each worker.

Unless otherwise agreed in writing, all goods and services provided by FIS are subject exclusively to the General Terms and Conditions of Sale of FAG Industrial Services GmbH in effect at the time of the acceptance of your order, including, the provisions regarding the choice of German law as governing law and the retention of title. These terms and conditions are available through FIS.

Agenda: Basic Training Bearing Technology

1. training day

- until 08:00 Arrival of the participants
 8:00 – 08:15 Reception and introduction
 08:15 – 09:15 General basics of roller bearing techniques
 - History of roller bearings
 - Current development of today
 - Fundamental terms of roller bearings
 09:15 – 09:30 Coffee break
 09:30 – 11:30 Roller bearing designs
 - Features
 - Roller bearing cages
 11:30 – 12:00 Roller bearing codes
 - bearing series
 - prefixes and suffixes
 12:00 – 12:30 Lunch time
 12:30 – 14:00 Mounting and dismounting of roller bearings (Part 1)
 - correct handling of roller bearings
 - required accuracy and cleanliness at your work- /mounting bench
 14:00 – 14:15 Coffee break
 14:15 – 16:00 Mounting and dismounting of roller bearings (Part 1, continued)

2. training day

- until 08:00 Arrival of the participants
 08:00 – 09:45 Roller bearing lubricants and sealants
 - Choice of lubricants
 - Methods and tools of lubrication
 - Design and features of sealants
 09:45 – 10:00 Coffee break
 10:00 – 12:00 Bearing failures
 - damage patterns
 - causes
 - preventive measures
 12:00 – 12:30 Lunch time
 12:30 – 14:00 Mounting and dismounting of roller bearings (Part 2)
 - How to check correct bearing seat
 - Professional mounting and dismounting with practical exercises
 - adequate maintenance and inspection
 14:00 – 14:15 Coffee break
 14:15 – 16:00 Mounting and dismounting of roller bearings (Part 2, continued)
 approx. 16:00 Concluding discussion