



#### **Course description**

## **Basic Training Theoretical Bearing Technology** (1 day, on-site)

#### **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.

#### **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. The attendance of the course will be confirmed by a certificate.

#### **Duration**

1 day

#### **Venue**

on site at the customers

#### **Number of participants**

4 - 12 attendees

**Fee**

2.000,- €

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. For each further attendee we will charge 50,- € additionally for training documents. 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.

**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 Theoretical Bearing Technology**

until 08:00	Arrival of the participants
8:00 – 08:15	Reception and introduction
08:15 – 09:15	General basics of roller bearing techniques <ul style="list-style-type: none"><li>▪ History of roller bearings</li><li>▪ Current developments of today</li><li>▪ Fundamental terms of roller bearings</li></ul>
09:15 – 09:30	Coffee break
09:30 – 11:00	Roller bearing designs <ul style="list-style-type: none"><li>▪ Features</li><li>▪ Roller bearings codes</li></ul>
11:00 – 12:00	Roller bearing cages <ul style="list-style-type: none"><li>▪ Designs</li><li>▪ Features</li></ul>
12:00 – 12:30	Lunch time
12:30 – 14:00	Roller bearing lubricants and sealants <ul style="list-style-type: none"><li>▪ Choice of lubricant</li><li>▪ Methods and tools of lubrication</li><li>▪ Design and features of sealants</li></ul>
14:00 – 14:15	Coffee break
14:15 – 16:00	Bearing failures <ul style="list-style-type: none"><li>▪ Damage patterns</li><li>▪ Causes</li><li>▪ Preventive measures</li></ul>
approx. 16:00	Concluding discussion