



Course description

Roller Bearing Maintenance for Rail Vehicle Maintenance Personnel

Training contents

This training covers the maintenance of wheel set bearings based on cylindrical and tapered roller bearings. Our bearing experts from Application Engineering – Railway will communicate current knowledge on the bearings and their applications. In the practice orientated course component experienced setting supervisors will pass on their knowledge concerning manual work for the maintenance of wheel set bearings and will show the correct handling at selected demonstration booths.

Target group

Head foremen, foremen and mounting personnel from railcar service engineer workshops.

Training objective

The participants will gain basic knowledge on the maintenance of wheel set bearings based on simple cylindrical and tapered roller bearing constructions. The attendance of the course will be confirmed by a certificate.

Duration

1,5 days

Venue

Workshop at the customers

Number of participants

4 - 12 attendees

Fee

3.500,- €

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 larger work bench (workshop or similar) for the practical part of the training.
- Enough wheel set bearings for exercise purposes as well as information about the bearing types that will be provided for the training.
- A list of the tools that are at hand for the mounting and dismounting of the above mentioned bearing types.

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 F'IS 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 F'IS.

Agenda: Roller Bearing Maintenance for Rail Vehicle Maintenance Personnel

1. Training day

until 08:30	Arrival of the participants
08:30 – 08:45	Reception and introduction
08:45 – 09:45	Current information on the theory and specific applications of railway bearings
09:45 – 10:00	Coffee break
10:00 – 10:30	Bearing failures, appraisal and assessment
11:30 – 12:00	Approach to the maintenance of wheel set bearings
12:00 – 13:00	Lunch time
13:00 – 14:45	Mounting tools and equipment (Examples and handling, Part 1)
14:45 – 15:00	Coffee break
15:00 – 16:30	Mounting tools and equipment (Examples and handling (Part 2)

2. Training day

until 08:03	Arrival of the participants
08:30 – 10:15	Mounting of bearings – Practical exercises (Part 1)
10:15 – 10:30	Coffee break
10:30 – 12:00	Mounting of bearings – Practical exercises (Part 2)
approx. 12:00	Concluding discussion