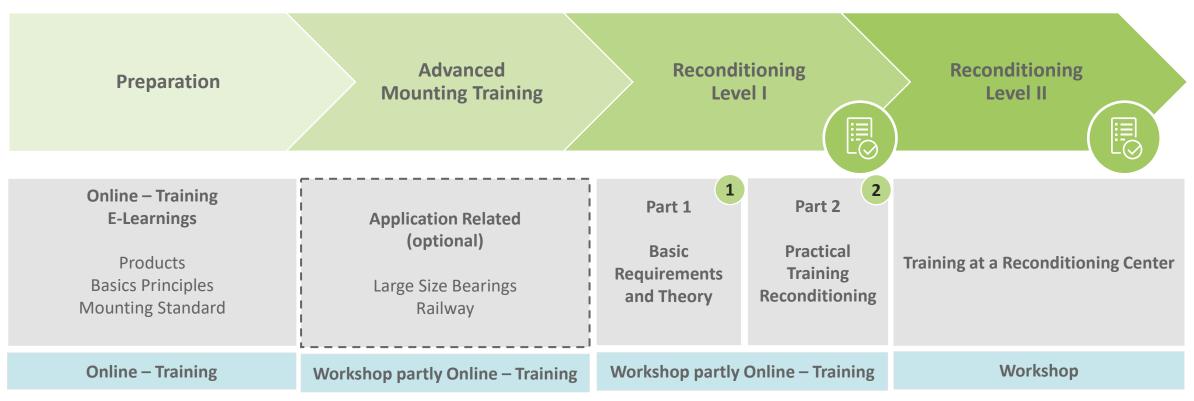


Schaeffler Technology Center

Concept Reconditioning

Training – Reconditioning





Preparation

Preparation	Products	Basics Principles	Mounting
Online Training E-Learnings	 Features and Properties Bearing Designation Brand Protection (Fake Bearings) Service Products Deep Grove Ball Bearings DGBB Cylindrical Roller Bearings CRB Spherical Roller Bearings SRB Tapered Roller Bearings TRB Bearing Support Solutions Sealing Concept Adjacent Design 	 Requirements Operational Bearing Behavior Determination of Clearance Raceway Design Lubrication Basics Material Engineering Bearing Production Coating Technology Bearing Damages Load rating / Fatigue Limiting Load Expiration Date of Bearings? 	 Cleanliness at the Workstation Storage and Handling of Bearings Mounting/Removal Procedures Mounting/Removal Mistakes Tools and Devices Process of Clearance Adjustment Documentation Complaint Information Source for Mounting/Removal
Duration	about 5 days online training		



Advanced Mounting Training (Customizable upon Request)

Advanced Training	General	Practica	l Training
Application Related (optional) (max.5 days)	 Service Products Usage of Measurement Tools Usage of Mounting Tools Become Acquainted with Schematic Work Sequence and Utilization Documentation Handling of Bearings Dismantling/Mounting Specific Bearing Types Measuring of the Clearance Clearance Adjustment Get to know different Mounting / Dismounting methods 	 Large Size Bearing Bearing Arrangement Adjacent Design Gearbox Training Deep Grove Ball Bearings DGBB Spherical Roller Bearings SRB Cylindrical Roller Bearings CRB Tapered Roller Bearings TRB Housing One-Piece or Split Become Acquainted with medias/Mounting Manager and its Utilization 	 Nondestructive Dismantling of Tarol and Cylindrical Roller Bearings from a Wheelset Become Acquainted with Special Tools for Railroad Bearing and the correct Utilization Dismantling Tarol Bearings and Measuring of the Axial Clearance
Duration	Either large bearing training 4 days and/or railway bearing training 1 day		

Reconditioning Level I

Level I	Theory 1 Assessment 1	Mounting 1 Reconditioning Level I 2
Basic Requirements and Theory	Function and Properties, (Railway Bearings, DGBB, CRB, SRB and TRB) Bearing-Basics (Operating Behavior, (What Failures, Level and Possible Causes) Temporary Measures Measures Auxiliary Materials (Tools, Hard- and Bord	unting/Dismantling • Correct Handling of Bearings
Practical Training Reconditioning	Materials Engineering, Lubrication,) and Bearing Damages (Realize, Cause, Prevention) CM / Industry 4.0 (Monitoring Systems Person) Field Inspection Zero (Endoscopy, Grease Sample, visual Appraisal, Measuring of the Bearings Clearance etc. as far as existing, Disr	 Visual Appraisal Dismantling / Mounting of the Bearings Adjusting Method of Clearance Documentation Signification of the Bearings Mothballing of Bearings and Greasing according to Schaeffler Standard Transportation and Storage
Duration	Part 1: Classroom training 3 days / Online training 6 days Online training 4 days	



Reconditioning Level II

Practical Training	General	Practical Training
Training at a Reconditioning Center	 Requirements: Reconditioning Level I Training Learning in Real Terms at a Schaeffler Reconditioning – Center Acquisition of the Reconditioning- Processes (Level I and II) Collaboration for Reconditioning Level II Customer Specific Reconditioning – Center (Railway - or Large Size Bearing) 	 Practical Training Customized to Customers Bearing Types Tools and Equipment for Reconditioning Level II Process Flow of Reconditioning Level II
Duration	5 days	

Thank you!

