

FAG



FAG Aerospace Repair Services

Move the world
with first class reliability

SCHAEFFLER GROUP
AEROSPACE

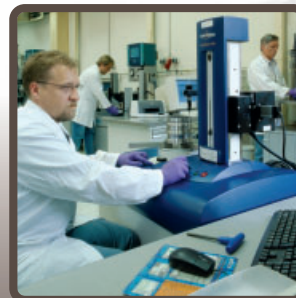
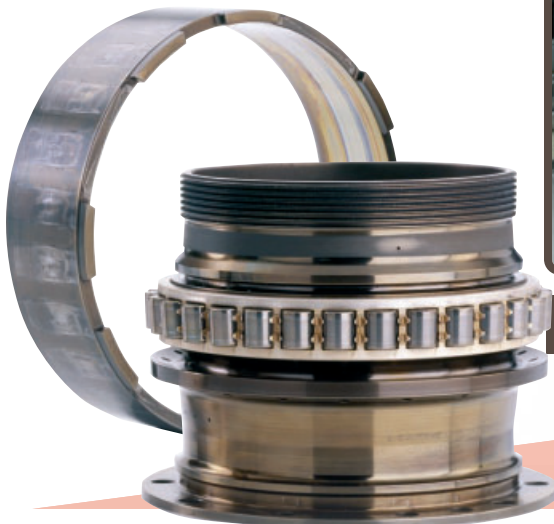
Not just a Repair Station

FAG Aerospace originally provided bearings for the Charles Lindbergh Wright J5 whirlwind engine. Since then materials advancements, design innovations and engine demands have changed considerably, but FAG's leadership in this market has remained constant. Today, FAG Aerospace is prime supplier to every major engine manufacturer in the aviation industry.

FAG bearings support engines both large and small, powering today's lightest and largest commercial aircraft. Technologies developed by FAG have been used aboard the Space Shuttle.

Years of concentrated research and development allowed FAG to be the first company to formally introduce the concept of infinite fatigue life to the industry in 1983. Since then, it has been acknowledged that useful bearing service life is primarily limited by damage caused by environment factors (i.e. contamination, corrosion, over-heating, etc.)

Understanding these factors is critical to designing robust systems and, through expert diagnosis and repair, prolonging service life of modern aerospace bearings.



Thorough cleaning and inspection prior to the re-manufacturing

Maintenance Organization

F r o m u s e d t

FAG repair facilities offer:

| Turn Time: FAG in / FAG out in 18 days or less

| Cost: Significantly less than the price of new OEM replacement spare parts

| Reliability: FAG Aerospace is a market leader offering original design expertise, R&D backing, and years of manufacturing experience.

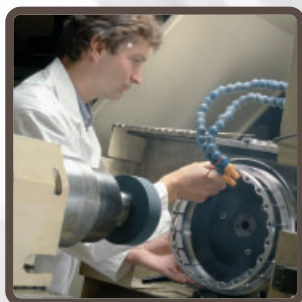
Approved re-manufacturing levels can be generally described as follows:

| Level 1: Cleaning, dimensional and visual inspection of bearing components

| Level 2: Level 1 + refinishing of raceways, replacement of rolling elements and replating or replacement of cage

| Level 3: Level 2 + grinding of one component

| Level 4: Level 3 + replacement of one bearing race
Level 4 can also include the update to the latest configuration with a new part number assigned.



Our OEM approved Production Organization also supplies all spare parts.

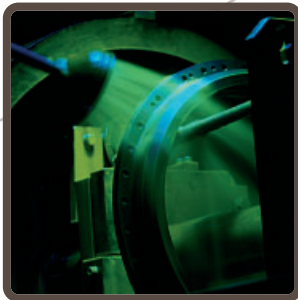
Re-manufacturing operations are done in-house.

Production Organization



Modern aerospace applications demand high quality, reliable rolling element bearings – why trust any other source with less total experience than FAG Aerospace?

You can lower your bearing replacement costs by having your bearings reliably re-manufactured by an OEM approved manufacturer.



The re-use of existing materials offers significant savings.

FAG Aerospace does much more than just inspect and clean your bearings, by utilizing the proprietary manufacturing specifications and know-how.



FAG Aerospace restores your bearings to their original, “as new” condition.



Bearing inspection is carried out with sophisticated equipment developed and manufactured by FAG.

All repaired components are subject to Magnetic Particle Inspection or Fluorescent Penetrant Inspection. Raceways of mainshaft bearings are Eddy Current Inspected after repair.

Maintenance Organization

a n t h r e e w e e k s

Your Partner to save cost without compromising system reliability

FAG Aerospace provides re-manufacturing services that can help you to reliably lower your total maintenance cost through re-use of existing assets.

FAG Aerospace does much more than just inspect and clean your bearings. Bearings are restored back to their original "as new" condition using the same engineering experience, production methods, production personnel and testing procedures.

FAG Aerospace "standard" refurbishment techniques always include refinishing of raceways, replating (or replacement) of cage and 100% replacement of rolling elements.

All replacement components are manufactured to the original new design by our OEM approved processes. Swapping is not acceptable.

Re-used and re-manufactured components are 100 % NDT inspected.

**FAG Aerospace spares no expense
in assuring complete reliability of
repaired bearings!**



Responsible for Europe, Asia, South America, Middle East



FAA Repair Station No. F2GY854J
EASA Repair Station No. DE.145.0127
CAAC Repair Station No. F04900413
TCCA Repair Station No. 809-23

Responsible for North America



EASA Repair Station No. EASA. 145.7221
Air Transport Canada Repair Station
AMO # 41-99



FAA Repair Station No. BCYR313X
EASA Repair Station EASA 145.6223

FAG Aerospace GmbH & Co KG Bearing Refurbishment

Georg-Schaefer-Str. 30
97421 Schweinfurt
GERMANY

Tel: +49 9721 91 3888
Fax: +49 9721 91 3645
aerospace.repair@schaeffler.com
www.fag.com/bearingrepair

FAG Aerospace Inc. Bearing Refurbishment

151 Wright Blvd.
PO Box 640
Stratford, Ontario, N4Z 1H3
CANADA

Tel: +519-271-3232 x226
Fax: +519-273-8514

FAG Aerospace Services Bearing Refurbishment

200 Park Ave
PO Box 2449
Danbury, Connecticut 06813
USA

Tel: +203-744-211
Fax: +203-744-3756

Every care has been taken to ensure the correctness of the information contained in this publication but no liability can be accepted for any errors or omissions.

We reserve the right to make technical changes.

© by FAG 2010, August

This publication or parts there of may not be reproduced without our permission.

PIA 1 GB-D