



## CF34 Repair Program

### Features

We are committed to joint development partnerships with technology leaders in the aviation and aerospace industry. Our customers include world renowned manufacturers of airplanes, aircraft engines, helicopters, space launchers and satellites. International airlines and engine maintenance shops apply our competence in bearing diagnosis and repair.

The engine CF34 is manufactured by General Electric (GE). FAG Aerospace supplies, amongst other things, the engine bearings for several bearing locations in the CF34, *Figure 1*.



*Figure 1.* Main shaft bearing for engine CF34.

## Engine variants and applications

The engine CF34 is available in the following variants, see table.

### Engine variants

Variant			
CF34-1	CF34-3B	CF34-8C5	CF34-8E
CF34-3A	CF34-3B1	CF34-8C5A1	CF34-10A
CF34-3A1	CF34-8C1	CF34-8C5B1	CF34-10E
CF34-3A2	–	–	–

It is fitted in several types of aircraft:

### Applications

CF34-1	CF34-3A	CF34-3A1
Bombardier CL-601-1A	Bombardier CL-601-3A	Bombardier CRJ ER/LR
Bombardier CL-601-1A/ER	–	–

### Applications (continued)

CF34-3A2	CF34-3B	CF34-3B1
Bombardier CL-604	Bombardier CL-604	Bombardier CRJ200 ER/LR
–	Bombardier CRJ900	–
–	Bombardier CRJ900 NextGen	–

### Applications (continued)

CF34-8C5B1	CF34-8E	CF34-10A	CF34-10E
Bombardier CRJ700 NextGen	Embraer E-170	COMAC ARJ21	Embraer E-190
–	Embraer E-175	–	Embraer E-195

Every care has been taken to ensure the information in this publication is correct but no liability can be accepted for any errors of omissions. We reserve the right to make technical changes.

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## Certifications

FAG is a maintenance company with certification from the following civil aviation authorities:

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

## Main shaft bearings

In the engine CF34, there are several approved bearing types for each location, see table.

### Overview – Bearing locations and bearing types

Bearing location, bearing type	Part number
#1B	6078T35P02
	6078T35P03
	4126T31P01
	2044M60P01
#2R	5042T11P02
	4126T32P01
	2044M44P01
#3B	5041T41P01
	5041T41P03
	5041T42P01
	4129T39P01
	4126T33P01
	4145T70P01
	2140M23P01
	2044M62P01
#3R	2044M46P01
#4R	5042T12P02
	4129T48P02
	4126T34P02
	2044M11P01
#5R	5042T13P03
	5042T13P04
#6R	5042T14P02
#7R	5042T15P01

B = Ball bearings R = Roller bearings

The standard turn around time is 18 calendar days between receipt and despatch at FAG Aerospace.

For further information and contacts:  
[www.fag.com/bearingrepair](http://www.fag.com/bearingrepair) [www.bardenbearings.com](http://www.bardenbearings.com)

