



## PW4000 Repair Program

### Features

We are committed to joint development partnerships with technology leaders in the aviation and aerospace industry. Our customers are 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 PW4000 is manufactured by Pratt & Whitney, *Figure 1*.



*Figure 1:* Main shaft bearing, engine PW4000.

## Engine variants and applications

The engine PW4000 is available in the following variants:

- PW4000/94"
- PW4000/100"
- PW4000/112"

The variants are used in these aircraft types:

### Applications

PW4000/94"	PW4000/100"	PW4000/112"
Airbus A300-600	Airbus A330-200	Boeing 777-200
Airbus A310-300	Airbus A330-300	Boeing 777-300
Boeing 747-400	Airbus A330-200F	–
Boeing 767-200	–	–
Boeing 767-300	–	–
Boeing MD-11	–	–

## 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.

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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## Main shaft and gearbox bearings

In engine PW4000 there are several approved bearing types for each location, see table.

### Overview – Bearing locations and bearing types

Main shaft bearings		Gearbox bearings		
Bearing locations, bearing types	Part number	Bearing locations, bearing types	Part number	
#1B	50B110	UTS	51G991	
	50B234		51G992	
	50B239		51G993	
	51B156		52G246	
	50B797		51G987	
	50B798		51G988	
	51B175		51G989	
	53B031		52G245	
	53B140		GB	50G866
	50B910			52G249
	50B927			52G000
	#1,5R	50A022		50G404
50A092			52G247	
50A093			50G115	
51A653			52G007	
#2B	50A095		52G248	
	50A096		71R026	
	51A654		70R024	
	52A139		51R167	
#3R	51A726		70R034	
	50A128		70R782	
	52A115		51R168	
	52A129		70R735	
#4R	50P000		51R171	
	50P001		70R222	
	50P005		70R877	
	50P395		51R169	
	50P394		70R601	
	50P387		70R865	
	–		51R170	
	–		70R621	

B = Ball bearings R = Roller bearings  
 UTS = Upper tower shaft bearings GB = Gearbox bearings

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

