



PFI Bearings

www.pfibearings.com

WORLD CLASS QUALITY AUTOMOTIVE BEARINGS

ISO 9001:2000 and ISO TS16949:2002.

Alternators
Starters
Generators
A/C compressors
Electric motors
Wheels and hubs
Gearboxes
Clutches
Engine management systems

IMPORTED AND DISTRIBUTED BY:

HI-ROLL BEARINGS

44-46 Mills Road, Braeside Victoria Australia 3195

Telephone: 61 3 9587 7666 1800 800 858

Facsimile: 61 3 9587 7388

Email: sales@hirollbearings.com.au

www.hirollbearings.com.au



HI-ROLL BEARINGS commitment is to deliver
the highest level of quality with 100%
manufacturer's guarantee.

AUTOMOTIVE *PFI* BEARINGS

	Ball Bearings
	Compressor Bearings
	Wheel Bearings
	Hub Units
	Clutch Release Bearings
	Tensioner and Idler Bearings
	Needle Bearing

HI-ROLL for *PFI* Bearings

World class quality *PFI* bearings are distributed throughout Australia and the South Pacific region by HI-ROLL Bearings.

HI-ROLL has in excess of 5000 line items in stock. And through its Direct Air Freight Program, can source and supply any bearings not in stock within 48 hours.

All orders received before 5pm for bearings ex-stock, will be delivered the next day throughout Australia.

1800 800 858

QUALITY ASSURED

PFI Bearings are manufactured according to World International ABEC and DIN standards in effect on the date of manufacture.

High Strength Bearing Steel

PFI are manufactured from FORGED AISI 52100 chrome steel inner rings, outer rings providing a molecular structure increasing extended bearing life. All rolling elements and inner & outer rings are heat-treated to 60-65 HRC.

Accuracy

PFI Bearings are manufactured to International world standards ABEC 3 (ISO 492 class 6) dimensional tolerances.

Radial Internal Clearance

PFI standard production program consists of world standard radial clearance C3. Other radial tolerances are available by special order.

Every *PFI* Ball Bearing is electronically tested for noise and vibration according to ANSI/AFBMA Standard 13-1987. Our testing process allows us to check for unwanted noise in the full sound frequency range:

	Nominal Low Cut Off Frequency (Hz)	Nominal High Cut Off Frequency (Hz)
Low Band	50	300
Medium Band	300	1,800
High Band	1,800	10,000





HI-ROLL Bearings introduces the superior *PFI* wheel bearings and airconditioning compressor bearings.

***PFI* WHEEL BEARINGS**

PFI double row angular contact ball bearings incorporate an integral outer ring and two separate inner rings, and are available with or without seals.

***PFI* WHEEL BEARINGS OFFER:**

High Strength

Due to its high contact angle design, *PFI* Wheel Bearings are highly resistant to shock and vibration imposed on the wheel during cornering and high speed motion.

Superior load rating

Due to its special internal design, *PFI* Bearings can simultaneously resist loads in both directions, and radial loads.

Factory set internal axial clearance

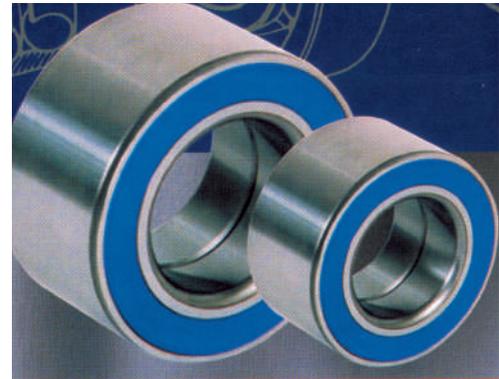
PFI wheel bearings are designed with proper internal axial clearance. This feature eliminates the need for pre-load adjustments with spacers.

Grease fill

PFI Wheel Bearings are filled with premium waterproof grease with hi-temp 177°C properties for extreme load and wear resistance and guaranteed life.

Superior sealing capability

Our sealed bearings are mud-proof, dust-proof and leak-proof, without the need for shaft seals.



***PFI* AIR CONDITIONING COMPRESSOR BEARINGS**

All *PFI* Air Conditioner Bearings are factory tested to offer reliable long-life operation in extreme conditions:

Special Bearing Steel

PFI Air Conditioner Bearings are made with high tensile, high strength, highly refined bearing steel, that withstands Australia's harsh environments.

Low Noise Operation

PFI Air Conditioner Bearings undergo intensive factory inspections for low noise operation during the assembly process and the final inspection. These multiple inspections give you confidence that *PFI* bearings offer long-life, trouble-free operation.

Premium Greases

PFI Compressor Bearings are life-packed with premium greases that resist extreme temperature variation ranging from -29°C to 177°C for Australia's toughest conditions.

Superior Sealing capability

PFI Bearing seals are specially designed to prevent internal contamination by foreign particles, as well as grease leakage. This feature helps maintain the integrity of *PFI* bearings, and ensures extended operating life.



PFI ELECTRIC MOTOR & ALTERNATOR BEARINGS



High Strength Bearing Steel

Our standard production uses high strength AISI 52100 chrome steel in all inner rings, outer rings and rolling elements, uniformly heat-treated to 60-65 HRC.

Accuracy

PFI Bearings are manufactured to ABEC 1 dimensional tolerances ABEC 3 class bearings are also available by special order.

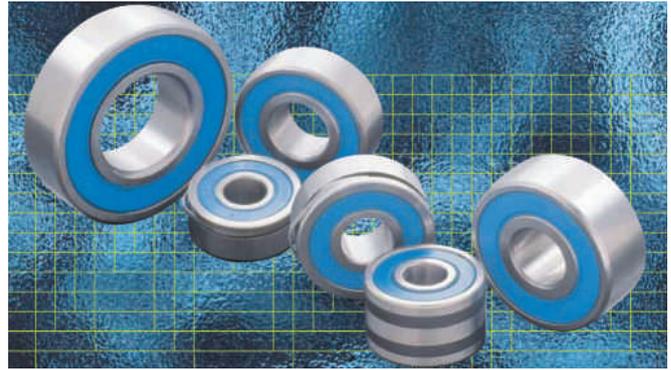
Radial Clearance

Our standard program consists of C3 radial clearance tolerance. Other special clearance tolerances are available by special order.

100% Noise and Vibration Testing

Every **PFI** bearing is electronically tested for noise and vibration according to ANSI/AFBMA standard 13-1987. Our testing process allows us to check for unwanted noise in the full sound frequency range.

PFI Ball Bearings are life-packed with ultra quiet water proof high temperature 177°C grease which allows **PFI** Bearings to be installed with confidence in the knowledge they will yield long-life and trouble-free operation.



HIGH SPEED – LOW TORQUE

ULTRA QUIET

HI-TEMP GREASE

**100%
MANUFACTURER'S
GUARANTEE**



Demand the best – Ultra Quiet *PFI* Bearings for all electric motors

HI-ROLL BEARINGS

OUR COMMITMENT IS TO EXCEED YOUR EXPECTATIONS BY DELIVERING THE HIGHEST QUALITY PRODUCT & SERVICE AT A SUPER COMPETITIVE PRICE

HI-ROLL Bearings has been one of Australia's dominant importers and distributors of quality precision ball and roller bearings for over 20 years.

HI-ROLL Bearings is the Australian importer for the world renowned **PFI** range of bearings, both market leaders.

HI-ROLL Bearings prides itself on its range of quality products and its fast efficient service. Its team of bearing specialists have years of technical experience, backing up a vast range of precision bearings, all manufactured to stringent ISO standards. It is a formidable combination, one that provides HI-ROLL customers with a:

100% guarantee on QUALITY PRODUCT, QUALITY SERVICE and QUALITY PRICE

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