



PERFECT FIT INDUSTRIES, INC.
AUTOMOTIVE BEARINGS

PFI Quality:



100% Noise & Vibration Testing

- 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 from Low Band 50Hz thru to Hi Band 10,000Hz.

PFI Quality:



Technical Specs & AISI Steel.

- PFI Bearings are manufactured according to relevant ABEC, DIN and JIS standards in effect on the date of manufacture.
- We use AISI 52100 high strength chrome alloy steel in all inner rings, outer rings, and rolling elements, heat-treated to 60-65 HRC. PFI Forged High Strength AISI 521000 Long Life Steel.

PFI Quality:



Accuracy

- Our bearings are manufactured to **ABEC 3 (ISO 492 class 6) dimensional tolerances** known as **P6 Super Precision**.
Tolerances for Class 6 Radial Bearings (excluding Tapered Roller Bearings)

PFI Quality:



Radial Internal Clearance

- Our standard program consists of C3. Other radial clearance tolerances are available by special order. PFI specialise in providing the tightest of tolerances in our radial clearance program.

PFI Quality:



Limiting Speeds

- The limiting speed of single row ball bearings is determined by various factors: operating temperature, loads, type and quantity of lubrication, vibration, and type of sealing method. PFI single row ball bearings have high limiting speeds when used in typical automotive applications:

PFI Quality:

Premium Greases

- PFI Bearings are factory packed with **Premium Greases** like SHELL GADUS S2 V100 3, MOBIL POLYREX EM, EXXON RONEX MP, and KYODO-YUSHI ET-K, depending on the type of bearing and application. Only the best greases are used in PFI Bearings.

PFI Quality:

Forged Rings

- PFI Bearings are manufactured from pure AISI 52100 high strength chrome alloy steel for all inner rings, outer rings, and rolling elements and heat-treated to 60-65 HRC. PFI Forged High Strength AISI 521000 Long Life Steel produces exceptional anti-friction qualities.
- PFI Bearings manufactured from Forged Hi-strength AISI 521000 steel provide the opportunity for the Bearings to perform at their optimum service level in Hi-load and Long Life applications.