



## PRODUCT INFORMATION

# BEARING GREASE

(CODE: 9009)

### Description

**ROYAL BEARING GREASE** is a waterproof, extra high performance multi-purpose grease intended for a large variety of applications. It is based on a blend of high viscosity index mineral oils, a lithium complex soap thickener, specially selected lead free extreme pressure additives, rust and oxidation inhibitors plus a tackiness agent.

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### Summary of benefits

- Excellent **anti-wear and EP performance** that is important for reducing wear rates and achieving a high load-carrying capability even under conditions of high sliding and moderate shock loading, thus extending the equipment life.
- The superior **resistance to water wash out** assures correct lubrication even in the most severe water exposure conditions.
- It has excellent **adhesion and cohesion properties** in order to reduce leakages and extend re-lubrication intervals.
- In all operating conditions it has an excellent **rust and corrosion resistance**.
- The superior **oxidation and high thermal stability** extends the grease life and enhance bearing protection in high temperature applications.
- It has **good pumpability and low-high temperature** performance.

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### Operating Temperature Range

Usable temperature range in continuous service is -25 to 170°C  
Maximum temperature for short term exposure is 220°C

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### Applications

**ROYAL BEARING GREASE** is recommended for automotive, industrial, mining, earthmoving and marine applications such as wheel bearings subjected to high temperatures and load caused by repeated and high speed braking in particular on disc brakes, chassis, high speed ball and roller bearings, pre-packed and sealed for life bearings in several heavy industries, boat trailer wheel bearings, water pumps, winches, etc.

**ROYAL BEARING GREASE** may be used where either soap based or clay based greases are recommended, particularly if rationalisation of grease types is required.

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### Storage

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

### Health, Safety and Environment

Health and safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Royal Precision Lubricants on (03) 9553-0840.

### Typical characteristics

NLGI Grade		2
Soap Type		Lithium Complex
Appearance		Blue & Tacky
Penetration at 25°C		
Unworked	D.217	270
Worked 60 strokes	D.217	275
Worked 100,000 strokes	D.217	+10
Change %		
Dropping Point, °C	D.2265	260+
Roll Stability, Penetration	D.1831	+10
Change %		
Leakage, Wheel Bearing 65g		
Packed, 163°C, g	D.1263	1.5
Water Washout at 80°C, %	D.1264	3.5
Oil Separation 24hrs @ 25°C	D.1742	2
kPa		
Oxidation Stability –		
Pressure Drop at 100hr, kPa	D942	15
At 500hr, kPa	D942	70
Lubrication Life, Bearing No. 204	D.3336	125
10,000 rpm, 163°C, Hrs		
Rust Prevention Rating	D.1743	Pass
Timken, OK Load, kg	D.2509	23
4-Ball Weld, kg/f	D.2596	350
4-Ball Wear Scar, mm	D.2266	0.48
Mineral Oil Viscosity, cSt at 40°C	D.445	190

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.*

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