GBR800

GROXX BEARINGS



OVERVIEW

The Groxx GBR800 is a heavy-duty, precision-machined bearing assembly engineered for 800 kg capacity traction hoists. Installed at critical rotational hubs—such as the drive sheave shaft, gear reducer assembly, and pressure roller pivots—the GBR800 reduces rotational friction and supports severe radial and axial loads.

KEY FEATURES

- **Rotational Friction Reduction**: Minimizes resistance between stationary housing components and high-speed rotating shafts, allowing maximum motor torque to be converted into effective lifting power.
- **Radial & Axial Load Support**: Absorbs heavy dynamic forces generated by the 800 kg suspended load and internal gear mesh forces, maintaining precise shaft alignment under stress.
- **Traction Sheave Stabilization**: Keeps the drive sheave running true without wobble or eccentricity, ensuring consistent rope clamping force and preventing uneven wire rope wear.
- **Gearbox & Shaft Alignment**: Maintains strict center-line tolerances within the internal gear drive, preventing tooth misalignments, binding, and premature mechanical wear.

TECHNICAL SNAPSHOT

PARAMETER	GBR800
Model Number	GBR800
Rated Hoist Capacity	800 kg Traction Hoist Systems
Bearing Type	Deep Groove Ball / Heavy-Duty Sealed Roller Bearing
Primary Material	High-Carbon Chromium Steel (AISI 52100)
Sealing System	Dual-Lip Contact Rubber Seals (2RS) / Metal Shields
Dynamic Load Rating	High-Capacity Industrial Grade
Weight	0.32 kg

USE & INSPECTION

Install to the Groxx instructions by trained installers. Inspect before each use and at least every 12 months by a competent person.

STANDARDS

See product page

> The GBR800 Bearing provides the structural backbone for smooth, low-friction power transmission within 800 kg traction hoists.

FULL DATA SHEET ↗

Product page ↗