

BEARING FOR RAILWAYS

For railway systems, our company offers bearings operating at high speeds, to achieve high durability and minimal maintenance requirements. Through research and development, their performance has been adapted to meet the high requirements of modern rail vehicles. Our service includes expert advice on applications, technical consultancy, advanced rolling bearing calculation and testing etc.

Applications:

We manufacture bearings for axle-box for electric and diesel locomotives, electric motors and generators, transmissions, compressors, fans.

Bearing types:

Cylindrical roller bearing, single row, Spherical Roller Bearings, Ball Bearings.

Raw material:

Rings and rollers: Steel 100Cr6, 100CrMnSi6-4, through-hardened in whole cross sections.

Cages: brass, steel, polyamide.

Structure after heat-treatment:

Martensite, with residual austenite 3-10%.

Hardness after heat-treatment:

58-64 HRC, Dimensional stability up to 150 °C. **U**ltra **R**eliable **B**earings

Inspection and Testing.

Axle-box bearings are manufactured according to EN12080 standard. Ultrasonic control, magnetic powder, elongation-for rings and Eddy currents for rollers.

Quality certificates.

Certification ISO9001, ISO/TS 22163 (Former IRIS).

Recommended lubricants:

SHELL Gadus Rail3 EUDB –SHELL, CARRIER LZS-2EP-MOL, INA LIS EP2-INA, Eldon's Letonia LR-2 EP.

For more information,
Website: www.urbgroup.com

