



Compact Brake Caliper Unit RZT Family



APPLICATIONS

Metro | Regional & Commuter train | High-speed train |
Locomotive

KNORR-BREMSE



DESCRIPTION

A highly modularized compact brake caliper unit for wheel-mounted brake discs to suit all applications, mounting spaces and operating conditions. This equipment incorporates a proven robust design for highest availability and low lifecycle costs.

OPTIMIZED USE OF MATERIALS

- weight reduction of up to 20% due to hangerless bogie interface. For a bogie with four brake calipers, this can amount to 80 – 120 kg
- no regreasing between overhaul intervals
- closed eccentric shaft sealing using rubber bellows and sealed internal bearings
- more robust axial and radial sliding bearings

ENHANCED MAINTAINABILITY

- no regreasing between overhaul intervals due to sealed bearings
- use of diaphragm instead of piston packaging results in more robust brake cylinders.
- more resistant to high-pressure cleaning due to rubber bellow sealing and improved exhaust design

IMPROVED TRAFFIC MANAGEMENT / SAFETY

- constant efficiency between overhauls
- no impact on bogie movement due to hangerless design
- excellent winter performance due to compact design and diaphragm cylinder

LESS LIFECYCLE COSTS

- all sliding / rolling surfaces are designed using specially treated wear-resistant materials
- less impact of humid air and pollution inside the housing due to improved exhaust concept
- fewer parts due to improved bearing concept

INCREASED ENERGY EFFICIENCY

- constant efficiency between overhauls

REDUCED EMISSIONS

- sealed needle-and-slide bearing for lower noise emission
- lower emission of lubrication substance due to sealed bearings and no need for regreasing between overhauls

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.