



Safe Sand



APPLICATIONS

Regional & Commuter train | High-speed train | Locomotive

KNORR-BREMSE



DESCRIPTION

The fully pneumatic Safe Sand system comprises a sandbox, a newly configured dosing device, a sand level sensor (analog, digital), a sand flow sensor, a sand pipe heater, and a control system. With this new, reliable and robust sanding system, dosing and conveying can be controlled independently. Its increased accuracy makes for a simple system design and convenient homologation as well as easy commissioning. It ensures proper wheel-to-track adhesion for both short and long trains. Application software ensures constant availability.

OPTIMIZED USE OF MATERIALS

- no mechanical moving parts
- less wear and abrasion
- reduction of variants by at least 50% due to internal composition of parts compared to former sanding systems

ENHANCED MAINTAINABILITY

- individual adjustability by means of throttle
- resistance against blockage / obstruction
- integrated measuring connections for adjustability
- simplified brake test with sand flow monitoring

IMPROVED TRAFFIC MANAGEMENT / SAFETY

- delivers the right amount of sand at the right time
- continuous monitoring of sanding system status in order to ensure reliability and safety
- preventive conditioning of sand and of the conveying section

LESS LIFECYCLE COSTS

- no mechanical moving parts means no wear
- use of wide nozzles to avoid pollution

INCREASED ENERGY EFFICIENCY

- possible heating (no frozen sand) without drying air leads to reduced air consumption of 25 NI/min per sanding unit

REDUCED EMISSIONS

- reduction of particulate matter (fine dust) through velocity-dependent sanding

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.