



TREADACT FREIGHT

Compact Freight Car Brake

The compact freight car brake as a member of the **TreadAct Freight** family makes the operation of freight cars increasingly economical and efficient. Due to its modular design, TreadAct Freight is reduced in weight, simple to install and reduces costs. It offers low maintenance and low air consumption while being highly efficient and delivering low life-cycle costs. This leads to an increased performance, which brings benefits for vehicle manufacturers and operators alike.

Customer benefits

- Optimum kinematics
- Modular design
- Low noise
- Low LCC
- Low air consumption
- Can be equipped with bogie-mounted and car body-mounted manual parking brake

- Low weight
- Preassembled and ready to install
- High efficiency
- Low maintenance

Applications

- Freight cars in severe environmental conditions
- Freight cars with Y25 bogie
- Low-noise freight cars
- Lightweight freight cars
- Customization for other bogies possible



KNORR-BREMSE

Key features

Push brake with two SINGLE-ACTING slack adjusters

- Entire block and wheel wear can be compensated
- Good accessibility for resetting

Modular design

- Block force is adjustable by changing the internal ratio without changing installation space or interface to the bogie
- Reduced installation time

VIBRATION-DAMPED suspension

- Allows max. lateral movement and tilt of the axle with min. bearing clearance
- Less generation of noise

Version with integrated manual parking brake

- Overload protection by buffer spring
- Hand wheel position in the bogie or on the platform
- Hand wheel with integrated mechanical indication of parking brake status

Strongly protected against environmental impact

- Bearings are encapsulated and maintenance-free
- Overall low wear and very low maintenance requirement

Technical data

- Block force
 - of service brake 38 kN
 - of manual parking brake min. 28 kN
- Weight of service brake ~ 225 kg (BG version) / ~ 257 kg (BGU version)
- Adjusting capacity 205 mm
- Permissible lateral axle movement +/-20 mm
- Weight with manual parking brake ~ 282 kg (BGU version)

Steel-rubber-steel sleeves

- Less vibration
- Low noise
- Minimal wear



Steel-rubber-steel sleeves

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 **KNORR-BREMSE**

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