CFCB
Compact Freight Car Brake

APPLICATIONS
All freight cars with Y25 bogie | Customizing for other bogies possible | Low noise freight cars | Light weight freight cars | Freight cars in severe environmental condition

KNORR-BREMSE
LIGHT, COMPACT AND LOW-MAINTENANCE

REduced weight, SIMPLer installation, improved performance – all in all, a highly convincing design

DESIGN
Operation of freight cars is becoming increasingly economical. The CFCB (Compact Freight Car Brake) from Knorr-Bremse offers a number of significant improvements for vehicle manufacturers and operators alike. CFCB is considerably lighter and more efficient than conventional brakes - and simpler than ever to install.

ADvantages
- Optimum kinematics
- Modular design
- Low noise
- Low LCC
- Low air consumption
- Can be equipped with bogie mounted and carbody mounted manual parking brake
- Cost saving installation
- Low weight
COMPACT FREIGHT CAR BRAKE – CFCB

KEY FEATURES

- Preassembled
  - ready to install
  - standard interface
  - no welding or installation efforts in the car body

- Push brake with two single acting slack adjusters
  - whole block and wheel wear can be compensated
  - good accessibility for resetting

- Very stiff design and sealed needle and slide bearings
  - high efficiency
  - low maintenance
  - low air consumption

- Modular design
  - block force is adjustable by changing the internal ratio without changing installation space or interface to the bogie

- New 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
  - hand wheel position in the bogie
  - hand wheel position in the car body
  - integrated mechanical indication of the status of the manual parking brake

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

The CFCB version with manual parking brake also offers a significant reduction in weight.