Hydraulic Brake Calipers

APPLICATIONS
Light Rail Vehicles | Metros | People Movers
HYDRAULIC BRAKE CALIPERS

KNORR-BREMSE HAS A WIDE RANGE OF HYDRAULIC BRAKE CALIPERS FOR THE GENERATION OF BRAKING FORCE. The compact modules are suitable for a wide variety of vehicle platforms and requirements.

DESIGN
Knorr-Bremse hydraulic brake systems are suitable for many different types of rail vehicles and installation conditions. A wide range of interfaces can be equipped. Their robust design means they are unaffected by shock and vibration or harsh environmental conditions.

They are available as:
- Fixed calipers in frame-type design
- Floating calipers in frame-type or lever-type design
- Elastic-mounted calipers as frame-type or lever-type design
- Brake caliper unit
- Brake calipers for special mounting positions

ADVANTAGES
- High application force within small installation space
- Application force adjustable and mechanical emergency release
- Mounting possible to gearbox as floating support or to the bogie frame as elastic fixation
- Maintenance-friendly thanks to completely sealed bearings and joints
- Design principles successful worldwide and proven in use for many years
- Optional remote mechanical release
- Force actuator with automatic wear compensation
**TECHNICAL DATA**

**HC1P50**
- Floating caliper with lever-type design
- Spring actuator brake
- Brake force per brake disc up to 100 kN
- Two hydraulic release circuits
- Maximum width of brake disc 100 mm
- Weight of brake caliper without bracket approximately 60 kg
- Optionally available with elastic fixing
- Remote mechanical release

**HC1P32**
- Floating caliper with lever-type design
- Spring actuator brake
- Brake force per brake disc up to 64 kN
- Two hydraulic brake circuits
- Maximum width of brake disc 60 mm
- Weight of brake caliper approximately 35 kg
- Optionally available with elastic fixing
- Remote mechanical release

**WZ80HZ45PS80**
- Brake caliper unit
- Spring actuator brake
- Brake force per brake disc up to 90 kN
- Two hydraulic release circuits
- Maximum width of brake disc 90 mm
- Weight of brake caliper approximately 115 kg

**HSC1P10N**
- Floating caliper frame-type design
- Spring actuator brake
- Brake force per brake disc of 20 kN
- Two hydraulic release circuits
- Maximum width of brake disc 45 mm
- Weight of brake caliper approximately 15 kg

**HSE1A30**
- Elastic-mounted caliper with frame-type design
- Active brake
- Brake force per brake disc of 60 kN
- One hydraulic brake circuit
- Maximum width of brake disc 60 mm
- Weight of brake caliper approximately 37 kg

**HF2A15**
- Fixed caliper
- Active brake
- Brake force per brake disc of 60 kN
- One hydraulic brake circuit
- Maximum width of brake disc 60 mm
- Weight of brake caliper approximately 17 kg

**HC1P32**
- Also available as a spring actuator brake with remote mechanical release