Brake Discs and Pads

APPLICATIONS
Freight Cars | High-Speed Trains | Light Rail Vehicles | Locomotives | Metros | Passenger Coaches | Regional and Commuter Trains

KNORR-BREMSE
HIGH-QUALITY BRAKE DISCS AND PADS FOR ALL RAIL APPLICATIONS.

Depending on the type of application, Knorr-Bremse axle- and wheel-mounted brake discs come with split or solid friction rings made of cast iron, aluminum or steel. Brake discs with friction rings made of particle-reinforced aluminum offer up to 50% weight reduction and less disc and pad wear compared to conventional cast iron discs.

ADVANTAGES

**DISCS**
- Proven brake performance in many high-speed applications
- Standardized interface and fixing of brake discs on wheel
- Resistant against thermal cracks due to moveable disc fixation
- Robust design to withstand high external shocks and vibrations up to 100 g
- Optimized cooling channel with excellent heat transfer and low ventilation loss
- Low weight
- Split friction discs for easy replacement

PADS
- KRS shape organic brake pads for even wear of friction disc
- Flexpad Silent sinter brake pad for braking without squealing
- ISOBAR flexible sinter brake pad with top braking performance
- Temperature-resistant with constant friction behavior
- Long disc and pad life due to even temperature distribution on brake disc
INTEGRATED ENGINEERING FOR OPTIMUM BRAKE PERFORMANCE

Knorr-Bremse integrated engineering is customer oriented and offers optimized project-specific friction couple. The selection of brake disc and brake pad has significant influence on life-cycle costs. Proven design principles are the basis for reliability and brake safety. A wide range of brake discs, brake pads and materials for all railway applications guarantees high flexibility for customer requirements and a short lead time.