

SAFE & FLEXIBLE



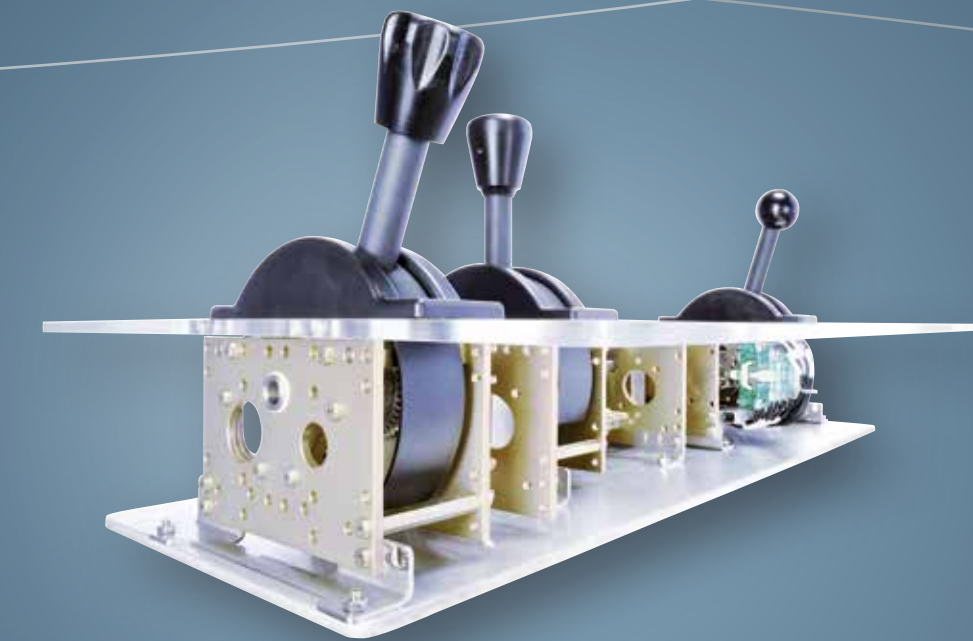
Knorr-Bremse Systeme für Schienenfahrzeuge GmbH

Moosacher Straße 80
80809 Munich
Germany
Tel: +49 89 3547-0
Fax: +49 89 3547-2767

WWW.KNORR-BREMSE.COM



Motion Controller Kit



APPLICATIONS

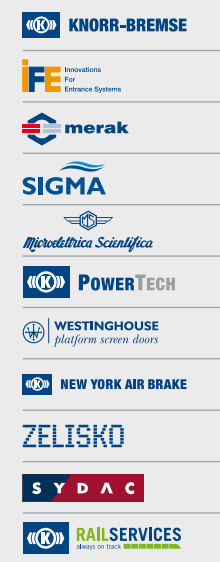
High-Speed Trains | Light Rail Vehicles | Locomotives | Metros |
Regional and Commuter Trains | Special Vehicles | Simulators

SAFETY AT ITS BEST

Every day one billion people rely on braking systems manufactured by Knorr-Bremse. When a Motion Controller Kit goes into service its safety will already have been subject to the closest scrutiny. It will have been extensively checked and tested right from the very beginning of its design and development. As the interface between driver and train, the Motion Controller Kit is subject to Knorr-Bremse's most rigorous quality checks.

100% RELIABILITY

The Motion Controller Kit is tailored to suit the operator's specific needs, providing reliable extensively proven technology and tested solutions. Quality assurance measures that are employed from the design stage right down to the manufacturing process to ensure the highest levels of quality and functional reliability.



GLOBAL LEADER ACTING LOCALLY



GLOBAL USE

A wide variety of Knorr-Bremse motion controller kits (driver's brake valve, traction controller, master controller) are used in a range of different train operations and installed in locomotives, EMUs/DMUs, high-speed trains and metros all over the world. The modular kit design means that Knorr-Bremse can offer project-specific solutions to meet all requirements.



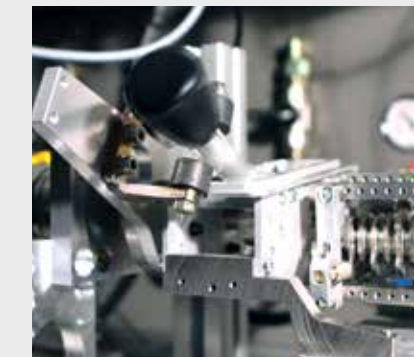
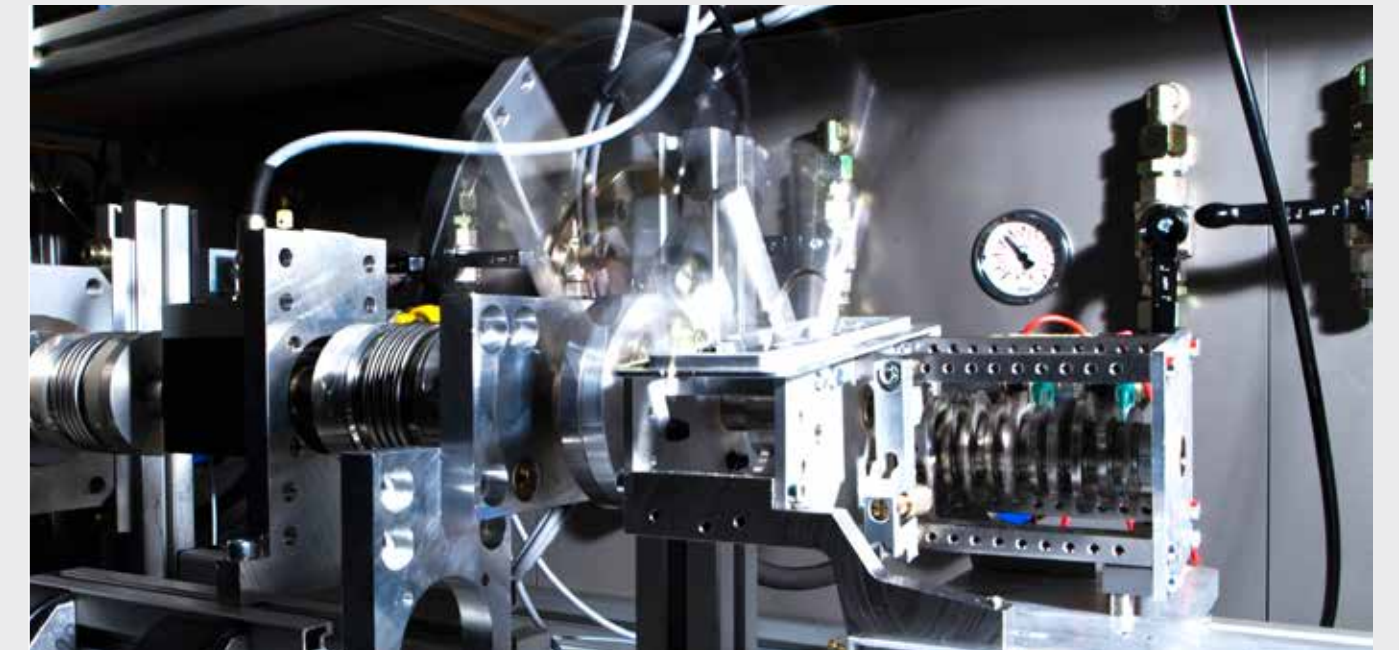
USER-FRIENDLY & EASY TO HANDLE

Safe operation in all positions is ensured by the ergonomic handle design, clear, readable inscriptions, ease of mounting, low maintenance requirements, resistance to contamination, and adaptation to specific vehicle functions and installation envelopes.

FEATURES & DESIGN

MOTION CONTROLLER KIT
RAIL VEHICLE SYSTEMS

A range of different driver's handle forms such as ball knob, press button or twist handle are available.	✓	
Pneumatic functions available in 2/2 or 3/2 way versions or with regulator available.	✓	
Standard angle sensor output signal is 4...20mA or PWM encoder. Further signals are available on request.	✓	
Top or bottom mounting on driver's console possible.	✓	
All functions are available at ambient temperatures of -40 °C to + 70 °C.	✓	
Additional switches, pneumatic and electric cut-off functions, colours, inscriptions, mounting points, e/p-connections, locking function and directional lever can be included on demand.	✓	



TESTS

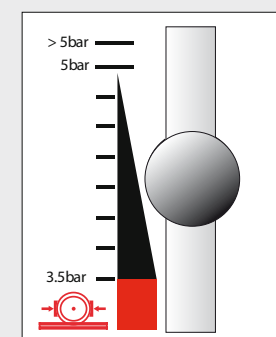
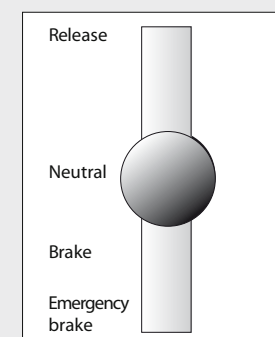
The Motion Controller Kit meets the shock and vibration specifications according to EN61373 class 1B or GOST17516.1-90, group M25. In addition to endurance testing with 3 million cycles across the entire range of angles, tests have also been conducted for corrosion, dust and temperature resistance.



APPROVAL

In terms of design and function and depending on the operational context, Knorr-Bremse's Motion Controller Kit complies with international laws, regulations and specifications according to UIC, AAR, and GOST.

BRAKE



TRACTION

