In response to a new challenge, Knorr-Bremse has specially developed a distributor valve based on the specific design requirements of markets with 1520 mm gauge – the KAB60. In comparison with the state-of-the-art it guarantees more precise and rapid control of the brake cylinders of all wagons, particularly in long and heavy trains. Its durability and reliability reduce the overall life cycle costs of the wagons.

**CUSTOMER BENEFITS**
- Increased overhaul cycle (up to 8 years)
- Reduced impact of shock and vibration (high stability against unintentional application)
- Improved protection against mechanical impact (e.g. stone)
- Performance maintained even in poor air quality conditions
- Application of stainless steel components with virtually unlimited operating life
- Universal action of brake cylinder filling and release times
- High accuracy of brake cylinder pressures
- Reduced longitudinal forces within the train
- Easy to maintain
- Certificated by the System of Certifications of the Russian Railway Transportation
- Homogeneous brake force built up throughout train due to improved acceleration

**APPLICATIONS**
- 1520 mm gauge freight cars
- 1520 mm gauge locomotives
COMPONENTS

KAB60-01/KAB60-05 distributor valve
- Vertical positioning of the main axis of the devices for better stability
- Integrated load-dependent adjustment in main portion for precise brake cylinder pressures
- Highly effective air filtering at all compressed air ports
- Better accessibility from the exterior of the car
- Reduced stress on car mounting
- Compatible with existing distributor valves

Auxiliary Piston system
- Stress-optimized membranes with special materials for temperatures between –60 °C and +80 °C
- Low-wear, maintenance-free sleeve bearing
- Designed to withstand shock and vibration

Main piston system component
- High-quality materials ensure long life
- Sealing and guide surfaces in stainless steel
- Special coated low-wear and low-friction aluminum parts
- Durable, stainless pressure springs