

EDDYACT

Linear Eddy Current Brake

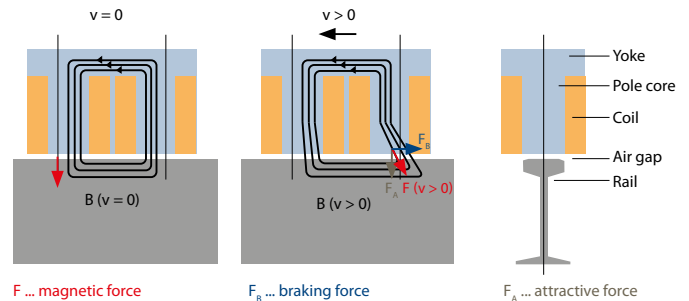


KNORR-BREMSE

Eddy current brakes create brake force independent of the adhesion between wheel and rail, similar to magnetic track brakes. Knorr Bremse's EddyAct offers enhanced safety levels and economic advantages. The system is completely independent of the track conditions and brake force remains constant, even at high speeds.

Function principle

Eddy current brakes consist of a magnetic yoke with electrical coils that are positioned along the rail and magnetized with alternating north and south poles. Under current, the brake generates a symmetrical magnetic field. This leads to a brake force acting against the direction of travel and a vertical attractive force.

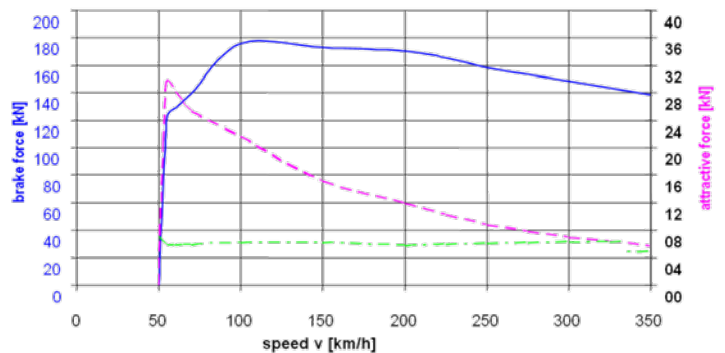


Customer benefits

- Independent of track conditions and the wheel-rail adhesion
- Wear-free, due to no mechanical contact
- No impact on TSI infrastructure
- Controllable brake force
- High brake force at high speed
- Additionally usable as service brake
- Noise-free, odorless and brake dust-free

Technical Data

Standard dimensions: 130x269x1540 mm
Weight: 900 kg per unit
Brake force at 200km/h: 21 kN per unit
Power requirement: max. 86 kW per unit



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