



Innovating
to improve
performance
and safety



Integrated Bogie Brake IBB 10



Light and compact

The Integrated Bogie Brake is designed to be mounted between bogie wheels and its function is to provide simultaneously equal braking force application on four wheels. Its design is based on the use of one brake cylinder as an executive unit with or without hand brake application, and two slack adjusters for automatic gap regulation between all four wheels and brake shoes.



CUSTOMER BENEFITS :

- + Equal brake shoe forces due to “force rectangle”
- + Lowest number of moveable parts
- + Lowest weight on the market
- + Low Life Cycle Cost
- + Easy assembly and disassembly of each component

Prototype



Ready to quote



Ready to produce



In production



System perimeter:

- Bogie Brake

Target application:

- All types of freight wagons
- New builds, overhaul and conversion projects

References:

Integrated Bogie Brakes (IBB 10) are running on thousands of freight wagons worldwide with different brake unit arrangements

Norms / Validation:

- TSI homologated

Specifications

Max. permitted block force	35 kN
Effective piston area	323 cm ²
Dead volume	1,3 dm ³
Lever ratio	min / max 2,41 / 3,35
Max. permitted service pressure	4,0 bar
Max. permitted test pressure	6,0 bar
Slack adjusting capacity	200 mm
Lateral movement	± 20 mm
Gap measure "G"	min. 7 mm nom. 7,5 mm max. 10 mm
Total gap measure "G"	min. 14 mm nom. 15 mm max. 20 mm
Working temperature	-40°C - +80°C
Weight (without brake pads)	~ 183 kg
Air quality	Air quality has to be according to TSI 4.2.4.1.2.7 and standard ISO 8573-1 / 4.3.4
Pipe threads	(dimensions, tolerances and coding) EN ISO 228-1, DIN 3852-3

To discover the benefits the **IBB10** can bring to your operations, please contact:

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