FLEXX Urban Bogies
Easy access in the city
Trams and light rail vehicles are the arteries of cities. Their frequency and reliability are of utmost importance to ensure smooth and safe circulation in the cities.

Trams and light rail vehicles are designed for ease of accessibility and convenience for the urban traveller. *FLEXX* Urban bogies make these features possible through their compatibility with low floor levels. Particular attention is also paid to maintenance aspects such as minimum rail and wheel wear.

The *FLEXX* Urban bogies are characterized by their environmentally friendly features: they are perfectly integrated into the vehicle to minimize the emission of noise and vibrations to the environment.

*FLEXX* Urban bogies serve the complete range of tram and light rail vehicles: from 100% low floor city trams to dual-system trams and for narrow to standard gauge networks.

The portfolio offers solutions with standard axle technology as well as independent wheel technology, with coil spring, hydraulic or pneumatic suspension.
The FLEXX Urban 1000 family is designed for 100% low-floor trams. With this bolsterless bogie family the solution of a 100% low-floor vehicle has been achieved with the simplicity and robustness of standard axle technology. Ease of access to the hydraulic brake and to the drive system ensures efficient and low cost maintenance.

The design of the FLEXX Urban 1000 bogies are characterized by a short wheelbase for smooth negotiation of curves, whilst elastomeric primary suspension, resilient wheels and a fully suspended drive system assure minimal noise and vibrations.

Suitable for both narrow and wide carbodies, the compact design of the FLEXX Urban 1000 bogies is compatible with a full seating arrangement, thereby creating a high level of comfort.

More than 1,300 bogies of this type have been in service since 2001, for example in Austria, France, Belgium or Turkey.

FLEXX Urban 2000

The FLEXX Urban 2000 family is designed for 70% low-floor trams and light rail vehicles. The motor bogie is equipped with standard axle technology and the trailer bogie with independent wheel technology.

These simple and robust bogies are equipped with a bolster enabling them to rotate under the car body for easy transit through narrow curves.

More than 2,000 units have been in service since 1998 with bogies operating in German and Polish cities.

FLEXX Urban 2500

The FLEXX Urban 2500 family is typically used for high floor or 70% low-floor high capacity trams. This type of bogie enables 70% low-floor combined with the simplicity and robustness of standard axle technology.

The short wheelbase of the FLEXX Urban 2500 family allows for smooth curve negotiation resulting in minimal wheel wear. The elastomeric primary suspension, resilient wheels and a fully suspended drive system leads to reduced noise and vibration transmission.

Over 1,000 bogies of this type have been in service since 1995, for instance in Sweden, Germany, USA or The Netherlands.
This brochure has been printed on paper with cellulose on the basis from certified sustainable forest management in accordance with the PEFC system. Bombardier Transportation has an active set of environmental print guidelines, for further details click onto: www.transportation.bombardier.com

Learn more about our commitment to sustainable mobility on: www.theclimateisrightfortrains.com

If you no longer require this brochure please recycle it responsibly.

Bombardier Transport
Place des Ateliers – BP1
59154 Crespin, France

Tel  + 33 3 27 23 53 00
Fax  + 33 3 27 35 16 24

Bombardier Transportation
Siegstrasse 27
57250 Netphen, Germany

Tel  + 49 271 702-0
Fax  + 49 271 702 346

www.bombardier.com

* Trademark(s) of Bombardier Inc. or its subsidiaries.