



Gangway Systems & Components: **Metro Vehicles**

Flexibility

- Bellows and interior paneling withstand extreme movements and provide reliable protection

Sound insulation

- Outstanding acoustic insulation ensures a quiet ride – even in continuous urban operation

Large passageways

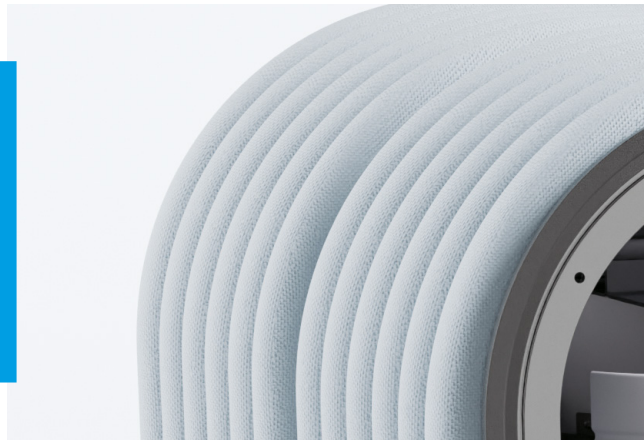
- Different side wall systems for wide, comfortable passageways

Comfort & safety

- Smooth, even surfaces prevent tripping hazards and ensure barrier-free passage

Gangway Systems & Components: Metro Vehicles

- Designed **for metros, underground and suburban trains**
- **Tailor-made** for the respective vehicle type
- All materials **meet applicable fire-safety standards** (e.g. EN 45545 HL1-HL3, NFPA 130, etc.) – other standards available upon request
- Gangways system consists of **bellow, ceiling, side wall and bridge**



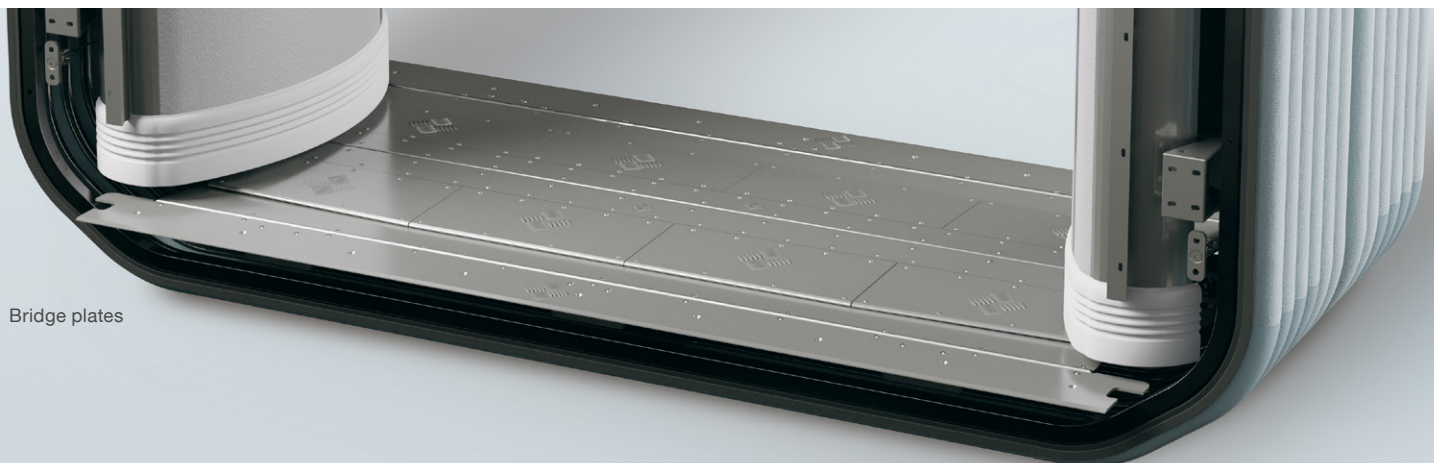
Corrugated Bellows

Single corrugated bellows

- Compact design, low weight, cost-efficient solution

Double corrugated bellows

- For more demanding requirements in acoustic and thermal insulation



Bridge plates

Bridge Systems

Bridge plates

- For basic requirements
- Simple and robust design with a long service life due to their special coating and low-wear sliding materials

Linking bridges

- Advanced design for greater comfort
- Smooth, gap-free compensation for extreme movements

Combi-bridges

- Highly versatile, self-supporting and maintenance-friendly
- Adapt to almost any contour
- Combine technical efficiency with maximum passenger comfort

Attachment Systems

Bolted frame

- Simple, robust solution for standard applications

Coupling frame

- Fast disconnection or replacement; perfect when cars are frequently removed from a train set

Both options are **pressure-tight** and supplied with **integrated sealing**, requiring no additional sealing measures during installation

Interior Paneling

Side-wall solutions

Flexible side walls

- Smooth, hard-wearing surfaces with optional painting according to customer wishes – robust against vandalism and easy to clean

Rolling side walls

- Limits deformation of side walls during curves providing a wider passageway with consistent comfort and design

Segmented sliding side walls

- Overlapping sliding segments prevent deformation entirely and provide maximum freedom of movement for passengers

Ceiling solutions

Articulated ceiling

- Movable ceiling elements glide smoothly over one another, reliably compensating for car movements
- Available in customer-specified color schemes for a harmonious interior design



Flexible side walls