

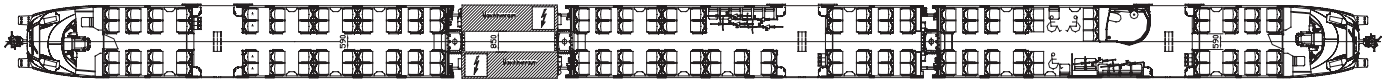
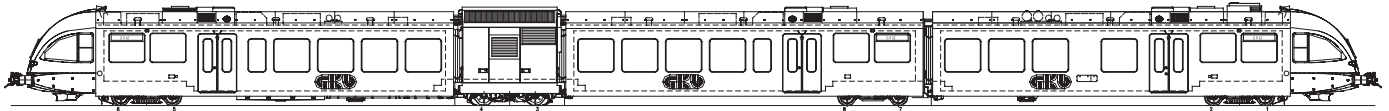


GTW DMU 2/8 low-floor **articulated DMUs for the Graz-Köflacher Railway (GKB), Austria**

The Graz-Köflacher Railway and Bus Operation GmbH (GKB) has ordered 13 new diesel-powered articulated railcars of the GTW 2/8 type for operation on the Graz-Köflach and Graz-Wies-Eibiswald routes in the south-west Steiermark (Styria). The ordered trains are a further development of the vehicles delivered to operators in Holland, and which are in commercial operation since 2006. The new trains for GKB meet the latest requirements for energy absorption in collisions (EN 15227), as well as the requirements with regard to the design of rail vehicles suitable for use by disabled persons (TSI PRM as well TSI-Tunnel and TSI-Noise).

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Technical features

- Bright passenger compartments thanks to large windows
- Transparent, open interior design
- Air-conditioned passenger compartments and driver's cabs
- Closed toilet facility in the low-floor area suitable for use by disabled persons
- Fulfils the requirements for accessibility for persons with reduced mobility (TSI PRM)
- Low-floor passenger cars in light aluminium construction, low-floor proportion > 70%
- Carbody structure fulfils EN 15227 for energy dissipation in case of collisions
- 3 entrance doors per side
- Generously dimensioned boarding platforms with multi-purpose area
- All bogies with pneumatic suspension
- Ergonomically designed driver's cab
- Power module housing the traction equipment
- 2 Redundant drive equipment, consisting of 2 drive trains, each with traction diesel engine, asynchronous generator, IGBT power converter and asynchronous traction motor
- Vehicle control technology with train bus and diagnostic computer (CAN-open bus)
- Multiple traction for up to 4 trains

Vehicle data

GTW 218

Customer	Graz-Köflacher Bahn und Busbetrieb GmbH (GKB), Austria
Lines operated	Graz-Köflach Graz-Wies-Eibiswald
Gauge	1435 mm
Power supply	Dieselelectric
Axle arrangement	2'2'Bo'2'
Number of vehicles	13
Service start-up	2010–2011
Seating capacity	151
Tip up seats	14
Floor height	
Low floor	600 mm
High floor	998 mm
Door width	1300 mm
Longitudinal strength	1500 kN
Overall length	55937 mm
Vehicle width	2950 mm
Vehicle height	3850 mm
Tare weight	ca. 93 t
Bogie wheelbase	
Motor bogie	2100 mm
Trailer bogie	2100 mm
Powered wheel diameter, new	860 mm
Trailer wheel diameter, new	750 mm
Maximum power at wheel	640 kW
Starting tractive power	80 kN
Maximum speed	140 km/h

