

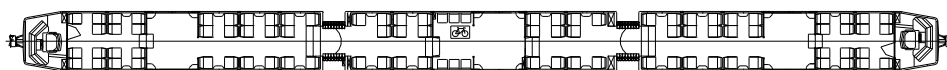
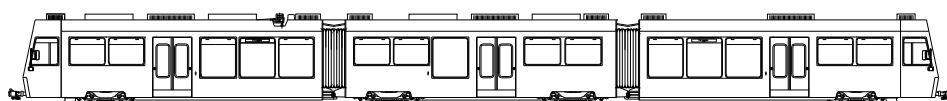


Low-floor Multiple-unit Be 4/6 for the Forchbahn, Switzerland

The Forchbahn AG has purchased thirteen new low-floor trains for deployment on the Zurich Stadelhofen – Esslingen route. The Stadler vehicle concept permitted the construction of two-part low-floor trains using well-tested GTW components. The specification requirements, and in particular those relating to low-floor boarding matched to the platform height, have been fully met. Thanks to the central arrangement of the traction equipment in the rail coach over the two driven bogies, sufficient traction power is available, even for larger gradients. Two three-stage low-floor trains following the same concept were also built for the Trogen Railway (Trogenerbahn).

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Technical features

- Modern exterior design
- Spacious multipurpose area in entrance section
- Generous disabled-friendly low-floor section
- 2 entry doors per side in low-floor section for more rapid passenger exchange
- Passenger compartments are accessible throughout thanks to generously dimensioned coupling points
- Air-conditioned passenger and driver compartments
- Ergonomically designed driver's cab
- Air-suspended bogies
- IGBT power converter and asynchronous drive motor
- Distributed vehicle control system with train bus and diagnostics monitor
- Multiple-unit control

Vehicle data

Customer	Forchbahn AG, Switzerland
Lines operated	S18 from the transportation of Zurich
Gauge	1'000 mm
Catenary supply voltage	600 / 1'200 V
Designation	Be 4/6
Axle arrangement	Bo'Bo'2'
Number of vehicles	13
Service start-up	2004
Seating capacity	59
Fold up seats	6
Standing capacity (4 Pers. /m2)	66
Floor height	
Low floor	350 mm
High floor	876 mm
Door width	1'300 mm
Longitudinal strength	400 kN
Vehicle width	2'400 mm
Vehicle height	3'650 mm
Tare weight, tara	33.3 t
Bogie wheelbase	
Power bogie	1'860 mm
Trailer bogie	1'700 mm
Powered wheel diameter (new)	680 mm
Trailer wheel diameter (new)	680 mm
Continuous output at wheel	400 kW
Maximum output at wheel	540 KW
Starting tractive power	(until 22 km/h) 90 kN
Max.acceleration at gross weight	1,2 m/s2
Maximum speed	80 km/h

