



PANORAMIC COACHES TRAINS BERNINA EXPRESS

Rhätischen Bahn (RhB), Switzerland

The Rhätische Bahn has procured a total of 26 of these comfortable panoramic coaches (9 First Class coaches equipped for wheel-chair access, 13 Second Class coaches and 4 Second Class/Service coaches) for use on the entire RhB lines network, particularly on the Bernina Line. A unique feature is the large panoramic windows which allow an unhindered view of the idyllic Alpine scenery. The advanced construction methods using aluminium extrusions enables weight and cost optimisation for the carbody design well in line with the existing vehicle concepts. One significant innovation are the pneumatic spring fitted Stadler bogies which ensure a quiet and comfortable ride.

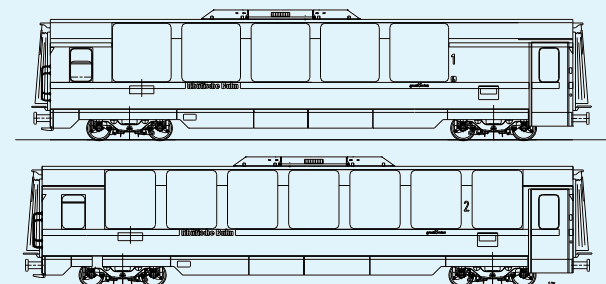
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Technical features

Technology

- Car body with an integral aluminum construction
- Motor bogies and trailer bogies with pneumatic suspension

Comfort

- Light, passenger friendly interior with
- Window panes extended into contour of the roof
- Enhanced journey comfort due to proven seating arrangements and bogie air suspension
- Air-conditioned passenger compartments
- Anti-glare central lighting with a comfortable light distribution
- Passenger Information System
- A sound studio with a public address system installed in the service car
- Comfortable and concealed WC system in the B cars
- Handicapped accessible WC in the A-Coaches

Reliability/Availability/Maintainability/Safety

- Use of the latest technology in the area of energy supply
- Good accessibility to the components needing service
- Vacuum- or pneumatic-controlled load-dependent compressed air brakes, spring-operated brakes

Vehicle data

	Coach A	Coach B / BR
Customer	Rhätische Bahn, Switzerland	
Lines operated	Chur/St. Moritz – Tirano	
Gauge	1000 mm	
Designation	Bernina Express	
Number of vehicles	9	13 / 4
Service start-up	2000 - 2007	
Seating capacity	28	51 / 43
Standing capacity	57	46 / 49
Floor height	993 mm	
Door width	850 mm	
Longitudinal strength	800 kN	
Overall length	16,450 mm	
Vehicle width	2,650 mm	
Vehicle height	3,540 mm	
Bogie wheelbase	1,800 mm	
Trailer wheel diameter, new	685 mm	
Maximum speed	100 km/h	