

Regio-Shuttle RS 1 for the Süd-Thüringen-Bahn

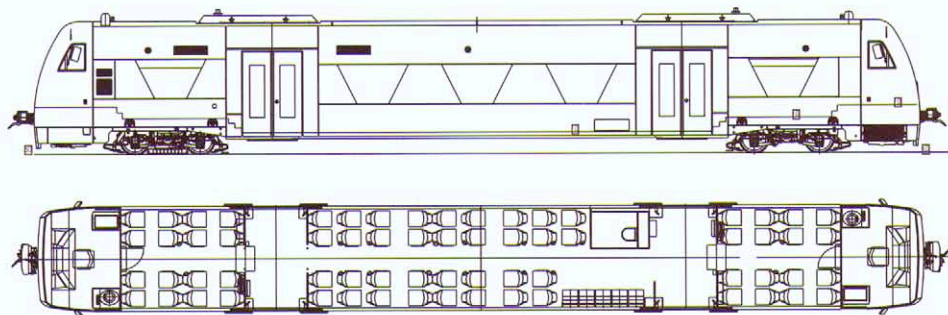


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For services on routes in Thuringia, the Süd-Thüringen-Bahn, a consortium made up of the Erfurter Industriebahn and Hessischer Landesbahn, placed an order for 26 Regio Shuttle RS 1 trainsets. The Regio-Shuttle RS 1 is a modern, low-floor DMU, which has been designed for main line and branch line regional and commuter services. High acceleration, a top speed of 120 km/h and comfortable interior provide passengers with a fast and pleasant journey. The vehicle's propulsion system is diesel-mechanical powered by two, independently operating drive units.



Example for interior (picture from RS 1 for SWEG)

Technical Features

- Carbody constructed of welded square steel tubes
- To achieve low vehicle weight, the carbody sides have a latticework structure
- Side panelling consists of approx. 20 mm thick GFRP laminated sheets bonded directly onto the body shell structure
- Carbody designed to withstand a longitudinal force of 1500 kN
- Vehicles fitted with automatic couplers
- Two independent propulsion systems ensure high availability
- Bogies fitted with air suspension guarantee a smooth ride
- Vehicles equipped with MICAS traction control technology
- Multiple-unit control for up to 5 vehicles
- Bi-directional vehicle designed for one-man operation
- Spacious passenger area with 65 % low-floor content
- Double-leaf, sliding plug doors with a width of 1300 mm
- Bright, friendly passenger areas
- Equipped with concealed toilet system
- Air-conditioned passenger areas
- Ergonomically designed driving cab with air-conditioning system

Vehicle Data

Customer	Süd-Thüringen-Bahn GmbH
Designation	Regio-Shuttle RS1
No. of vehicles	26
Service start	2001
Route operated	Eisenach – Meiningen – Sonneberg; Wernshausen – Zella – Mehlis, Meiningen – Oberhof – Erfurt
Gauge	1.435 mm
Overall length	25.360 mm
Vehicle width	2.900 mm
Vehicle height	4.041 mm
Floor height	
- Low floor	600 mm
- High floor	1.000 mm
Door width	1.300 mm
Longitudinal strength	1.500 kN
Seating capacity 2nd Cl.	max. 71
Standing capacity (4 Pers./m ²)	max. 77
Tare weight	42.000 kg
Axle arrangement	B' B'
Bogie wheelbase	17.100 mm
Powered wheel diameter, new / worn	770 mm / 710 mm
Engine	Dieselmotor 2 x 257 kW (EURO 2), diesel-mechanical
Max. speed	120 km/h
Max. acceleration	1.2 m/s ²

The Regio-Shuttle RS 1 is based on a design made by Adtranz and is produced in Co-operation with Stadler Pankow Ltd. in Berlin-Pankow