



## **GTW 2/6 and GTW 2/8 low-floor articulated EMUs for THURBO, Switzerland**

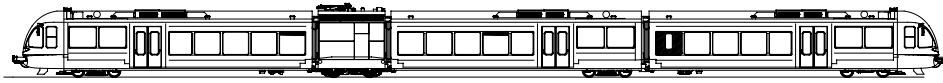
THURBO, a subsidiary of the Swiss Federal Railways (SBB) and the Canton of Thurgau, has been operating the regional train service in Eastern Switzerland since December 2002. The regional railway makes use of modern and comfortable vehicles. The GTWs that are deployed are low-floor, air-conditioned and disabled-friendly in their design. The interior appears generous and well arranged, while the large windows provide views similar to those in a panorama carriage. Stadler delivered a total of 80 articulated railcars between 2003 and 2007. In the year 2008, a central carriage will be added to 10 two-part GTWs in order to increase the capacity and operational flexibility of the fleet.

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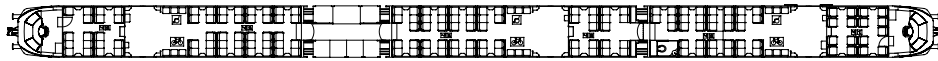
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GTW 2/6



GTW 2/8



## Technical features

- Spacious multipurpose area in entrance sections
- Large panorama windows for a bright, attractive interior
- Air-conditioned passenger and driver compartments
- Vacuum toilet system
- Air-suspended power and trailer bogies
- Ergonomically designed driver's cab
- Glass fibre reinforced front section with automatic coupling
- Extruded aluminium superstructure
- Redundant traction chain with water-cooled IGBT power converters
- Vehicle control system with train bus and diagnostics computer (CAN open bus)
- Multiple traction up to four vehicles

## Vehicle Data

	GTW 2/6	GTW 2/8
Customer	THURBO	THURBO
Lines operated	Regional traffic in eastern Switzerland	"
Gauge	1 435 mm	"
Supply voltage	15 kV, 16.7 Hz	"
Designation	RABe 526 701–708 RABe 526 719–751	RABe 526 752–790
Axle arrangement	2'Bo 2'	2'Bo2'2'
Number of vehicles	41	39
Service start	2003	2005
Seating capacity (1 <sup>st</sup> class)	16	16
Seating capacity (2 <sup>nd</sup> class)	90	146
Standing capacity (4 pers./m <sup>2</sup> )	110	168
Floor height		
Low floor	585 mm	"
High floor	1 000 mm	"
Door width	1 320 mm	"
Longitudinal strength	1 500 kN	"
Overall length	39 400 mm	54 447 mm
Vehicle width	3 000 mm	"
Vehicle height	3 850 mm	"
Tare weight	63 t	82 t
Bogie wheelbase		
Power unit	2 100 mm	"
Trailer unit	2 100 mm	"
Powered wheel diameter (new)	860 mm	"
Trailer wheel diameter (new)	750 mm	"
Continuous power at wheel	700 kW	"
Maximum power at wheel	1 100 kW	"
Starting tractive power	80 kN	"
Maximum speed	140 kph	"

