

## Twin-Unit Cog Rail Car

Number of Cars:	4
Manufacturer:	SLM Winterthur
Year of Manufacture:	1982
Type:	Bhe 4/8 Twin-unit rail car
Axle Distribution:	(1A) (1A) + (1A) (1A)
Gauge:	800 mm
Carriage Width:	2,230 mm
Carriage Length:	23,885 mm
Floor Height:	920 mm
Terminal Voltage:	800 V d.c.
Rated Power:	800 KW at 15 km/h
Maximum Speed (uphill):	22 km/h
Maximum Speed (downhill):	14 km/h
Capacity:	96 seated and 68 standing (6 people per m <sup>2</sup> )
Empty Weight:	34.1 t
Total Weight:	46.4 t
Drive:	SLM rack with gear train



Transmission Ratio:	1:12
Cog Transmission Wheel Radius:	611 mm
Wheelbase:	2,200 mm

Two remote controlled resistance groups operate the startup and braking power of the four motors in 22 startup steps and 22 braking steps.