

Electric Monorail

systems 636/645

The Electric Monorail System by Schierholz is used wherever speed, flexibility and adaptability are required for the transport of goods.

General basic data of standard systems:

Electric monorail system	636	645
General payload of the carrier	up to 1.500 kg	up to 3.000 kg
Max. speed	90 m/min	120 m/min
Max. acceleration	0,5 m/s ²	1,0 m/s ²
Max. gradient	90°	3°
Max. diameter of running wheel	160 mm	225 mm
Standard radii for curves	750–2500 mm	800–2500 mm

If necessary, the values are determined per project and may deviate from values in the table.



Benefits of an EMS-system

- ▷ Very high transport performance
- ▷ Ground clearance for thoroughfares and passages
- ▷ Transport over several levels with riser section or vertical conveyor
- ▷ Low-noise transport
- ▷ High flexibility also for extensions



Additional benefits of SCHIERHOLZ EMS

- ▷ Narrow curve radii also for 2-pallets carriers
- ▷ Specially optimised components for different industries
- ▷ Continuous development of systems
- ▷ Expansion of systems for special solutions
- ▷ Modular, self-programmable carrier control
- ▷ Run tests with original goods at the Bremen plant before commissioning



Application flight catering

- ▷ System 636, 2-fold carrier
- ▷ System capacity: 360 carriers/h
- ▷ Number of carriers: 200
- ▷ Number of points: 109
- ▷ Number of lifting stations: 27
- ▷ Length of the track: 2,550m



Application food & beverage

- ▷ System 645, 2-fold carrier
- ▷ Running speed $v = 120 \text{ m/min}$
- ▷ Running acceleration $a = 1 \text{ m/s}^2$
- ▷ Payload $m = 1,100 \text{ kg}$
- ▷ Number of carriers: 38
- ▷ Length of the track: 750m



Application automotive

- ▷ System 636 light, 1-fold carrier
- ▷ Items conveyed: Car doors
- ▷ Payload $m = 15 \text{ kg}$
- ▷ Angle of riser section: $\alpha = 90^\circ$
- ▷ Number of carriers: 130
- ▷ Length of the track: 900m

