



Loading and Unloading Wagon AAW

Technical Datasheet

vossloh
enabling green mobility

Loading and Unloading Wagon Technical Data

Support vehicle	AAW 1 / AAW 2 / AAW 3
Track gauge	1,435 mm

Main dimensions

Length over buffers (LoB)	22.24 m
Width	2.96 meters (working mode) 2.71 meters (transport mode)
Number of bogies	2
Number of wheelsets	4
Wheelbase between bogie pins	16,700 mm
Distance between last wheelset and front buffer	1,870 mm
Distance between axles on bogie	1,800 mm
Distance between inner wheelsets	14,900 mm
Height above TOP of vehicle floor	1,280 mm
Loading gauge / structure gauge	G2 as per EBO

Speed

Hauling speed as part of train set	100 km/h
Max. shunting speed	construction site specification

Masse

Tare weight	34 t
Maximum weight per meter	1.53 t/m
Maximum axle load	20 t

Bremsen

Brake system type	KE-GP
Brake blocks	cast iron
Braked weight	F: 26 / P: 26
Transport setting (F/P)	yes
Handbrake / parking brake fitted	yes

On-track operability

Shunting maneuvers not permitted (e.g. hump-shunting or loose shunting)	Hump-shunting, loose shunting and transport by ferry not permitted
Sequencing restrictions	no restrictions
Smallest traversable curve radius	130 m (transport) 250 m (operating)
Max. uphill and downhill gradients/cant	max. 40 ‰ depending on the rail length
Max. superelevation (transport/operating)	180 mm operating
Transport inside train set	yes
Max. trailing load	no restrictions

Weather constraints

Ambient temperature (operating mode)	between -20° and +40°C, restrictions with frozen water, observe safety provisions
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Equipment (basic equipment for each machine and features)

Number of wagons	1
Loading / unloading of the rails (middle of track, on sleeper heads etc.)	middle of track, on sleeper heads or one in the middle of the track and one on the outside
Performance data (idealized)	unloading: max. 5 pairs/hour under ideal conditions. loading: max. 600 meters of track/hour under ideal conditions
Personnel / machine operators / crew	unloading: 3 machinists, 2 crew loading: 4 machinists, 2 crew
Technical drawings of machines	see TI Wagon Catalogue

Safety and communication equipment

Communication	walkie-talkies, red-white flag, handheld signaling lamp with red filter
Running gear and suspension	Y 25 bogie
Approvals for transport / operation on tracks	DB Netz NGT Bln and NTB 1(N) Berlin, DK BDK Trafikstyrelsen BZA as ancillary vehicle, AAW operating instructions
Auxiliary equipment required	two-axle flat wagon
Loading guidelines	AAW operating instructions
Compatible with transport systems	STS; ROBEL TE with AAW 1 + 3 AAW 3 with SWW 2 rail replacement wagon DB Cargo/private only unloading: Rs, Rns, Samms

