

Forklift Railcar Mover

Use

- **Push/pull capacity and braking effect: up to 300 tons on level plane tracks (model SL6 up to 600 tons)**
- **Use on level plane and open track systems**
- The railcar mover is driven by a forklift truck ranging from 1.5 to 9 tons
- To fit any track gauge from 1000 mm to 1668 mm
- Power transmission from the drive wheels of the forklift truck via propulsion rollers and chains to the rubber wheels
- High tractive force thanks to the high coefficient of friction between the rubber wheels and the steel rails and the gear ratio of 1:5
- Ramps are lowered to drive the forklift truck onto the railcar mover
- Unit is secured by using the fork brackets
- The railcar mover is coupled with the wagons to be moved
- Robust and maintenance free construction
- Licensed by the Deutsche Bundesbahn Researching Institute of Minden
- Authorized by the German Employer's Liability Insurance Association
- Option: mechanical coupling system

Operation

The forklift truck driver will operate the unit. The forklift truck is employed as the driving element. The power transmission results from the driving gears of the forklift truck on four propulsion rollers – similar to a brake test stand. Four rubber wheels are then driven by chains. Due to the gear ratio of 1:5 and the high coefficient of friction between rubber wheels and steel rails, high tractive force is reached. By the separate arrangement of the driving wheels and rollers for each side, the differential gear of the forklift truck will be used for driving in turns and over switches. Use the forklift truck to take the platform to the place of action and put it on the rails. Lower the ramps, drive the forklift truck onto the railcar mover, pull up the ramps and secure the forklift truck by using the fork brackets. Couple the unit with the wagons to be moved. Now the railcar mover is ready for action. You can safely move and brake complete sets of wagons.



Use the forklift truck to put it on the rails



Lower the ramps to drive on the platform



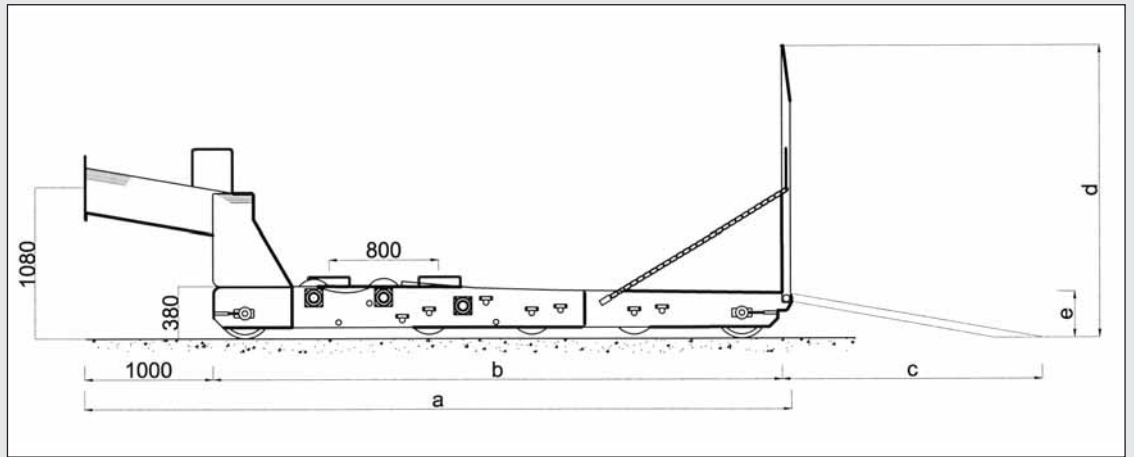
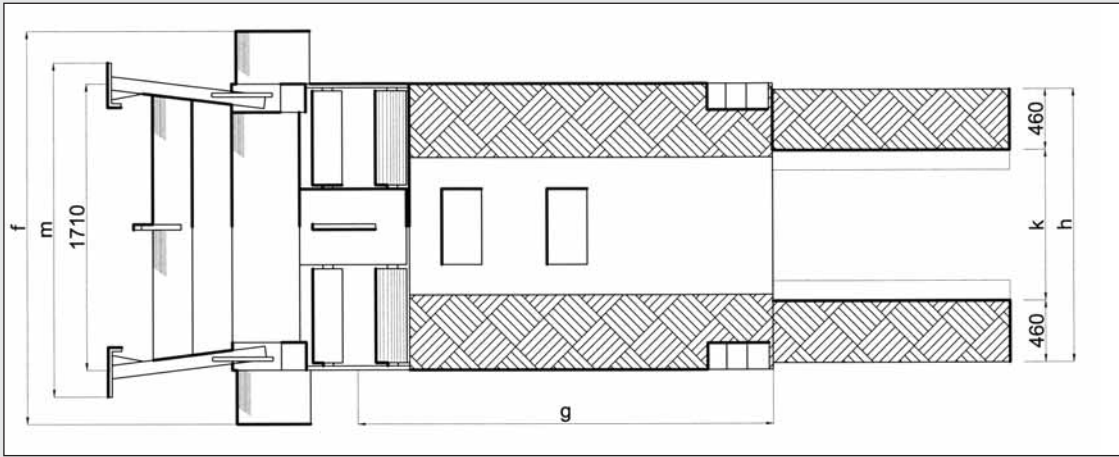
Shunting operation on open tracks



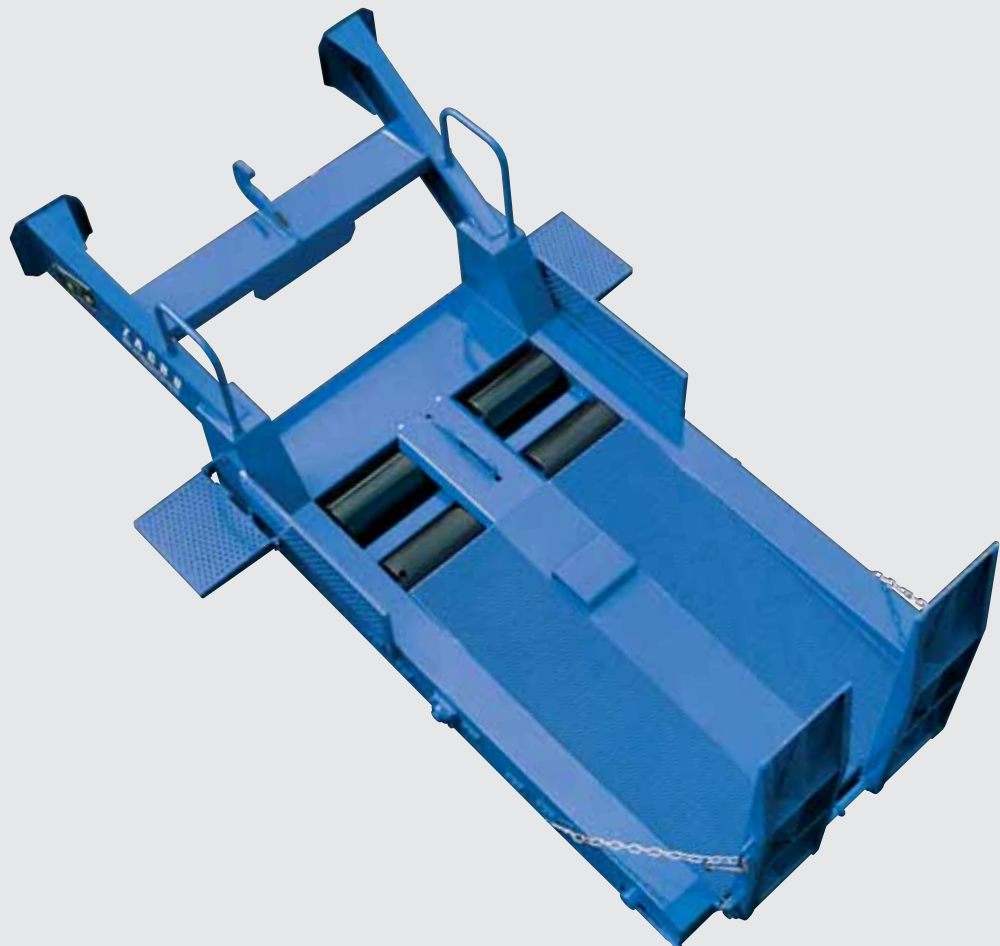
Automatic coupling



Propulsion rollers for power transmission



	WRG-N	WRG-S	WRG-SL
a	4015	4500	5200
b	3000	3485	4000
c	1400	1800	1850
d	1495	1945	2050
e	210	230	390
f	2635	2660	3100
g	2160	2530	3060
h	1345	1750	2120
k	100-335	560-805	1200(-720)
m	2120	2120	2120



Forklift Railcar Mover		WRG-N	WRG-S	WRG-SL
Forklift truck capacity	t	1.5 - 4	2 - 7	3 - 9
Dimensions of forklift truck:				
Max. width over drive wheels	mm	1300	1710	2000
Max. length from centre of front wheel to rear end	mm	2160	2630	3045
Max diameter of drive wheels	mm	500 - 750	500 - 1000	500 - 1000
Forklift Railcar Mover:				
Push/pull capacity and braking effect	t	up to 300	up to 300	up to 300
Starting force (depending on forklift truck)	kg	1500	5000	6000
Speed (depending on forklift truck)	km/h	2.5 - 5	2.5 - 5	2.5 - 5
Brake distance with 300 tons load	m	1	1	1
Ramp gradient	%	9,5	9	9
Total width of ramps, adjustable	mm	1325 - 1000	1730 - 1485	2100 - 1400
Total width of rollers	mm	1315	1620	2020
Width per roller	mm	435	600	700
Number of rubber wheels	pc.	8	10	10
Diameter of drive wheels	mm	300 x 120	300 x 120	300 x 120
Max. width of buffers	mm	2150	2150	2120
Total weight	kg	1500	1800	2750