

Hopper car for transportation of mineral fertilizers, model 19-9549-03



Description

New generation hopper car for transportation of grain of model 19-9549-03 is equipped with 25 tf bogie.

The freight car body capacity increased up to 120 m³ ensures efficient transportation of a wide range of mineral fertilizers. Use of a special two-component coating provides proper protection of the body from aggressive influence of freight. Increased terms of between-repairs run, which provide for the reduction of the freight car life cycle costs by more than 2 times, are a considerable competitive advantage of the freight car of model 19-9549-03. Hopper car for transportation of grain is completely compatible with the existing infrastructure and can be operated at all types of loading-unloading terminals.

Designed by: LLC "All-Union Research and Development Centre for Transportation Technology".



Specifications

Technical specification	Model 19-9549-03
Payload capacity, t	76.5
Body space, m ³	120
Tare weight, t	23.5
Length over coupler pulling faces, mm	14,720
Wheel base, mm	10,500
Height from rail top level, mm	4,840
Number of loading/unloading hatches, pcs	5/6
Unloading mechanism	Lever-screw mechanism
Gabarit as per GOST 9238-2013	1-T
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245.25 (25.0)
Service life, years	31
Regulatory overhaul period, thousand km (years)	800 (8)
Cargoes	

Cargo	OOH code cargo
Potassium chloride (potassium chloride)	43403
Apatite concentrate (apatite)	43103
Urea (urea artificial)	43304
Concentrate mineral "sylvite"	43108
Ammophos	43602
Ammonium nitrate	43307
Fertilizers chemical and mineral sorts, not specified in the alphabet	43619
Sodium carbonate (soda ash)	48215
Clay	15106
Ammonium sulfate	43302
Ammophos	43604
Concentrate nephel	24213
NPK	43612
Quicklime	23311
Other cargoes	O/R