

Hopper car for transportation of grain, model 19-9549-02



Description

New generation hopper car for transportation of grain of model 19-9549-02 with a roof from a high-strength aluminum alloy increasing freight car payload capacity by more than 1 ton.

Hopper car for transportation of grain is equipped with 25 tf bogie, that benefit, combined with the increased up to 120 m³ of body space, ensures efficient transportation of a wide range of lightweight grain products with the utilization of 77 t of full payload capacity of the freight car.

Increased terms of between-repairs run, which provide for the reduction of the freight car life cycle costs by almost 3 times, are a considerable competitive advantage of the freight car of model 19-9549-02.

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: All-Union Research and Development Centre for Transportation Technology, LLC.





Specifications

Technical specification	Model 19-9549-02
Payload capacity, t	77
Body space, m ³	120
Tare weight, t	22.5±0.5
Height from rail top level, mm	4,840
Number of loading / unloading hatches, pcs	5/6
Unloading mechanism	Lever-screw mechanism
Number of locking and sealing devices, pcs	2
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)
Service life, years	30
Regulatory overhaul period, up to mln km (years)	1 (8)

Cargoes

Cargo	OOH code cargo
Wheat	01100
Barley	01400
Schroth stern, not specified in the alphabet	54222
Grain maize	01500
Schroth, containing not more than 1.5% oil and less than 11% moisture	54223
Raw sugar	52105
Malt grain	01811
Corn beans	01802
Flax seeds	02107
Beet pulp	54207
Pomace	54205
Rye	01200
Other cargoes	O/R