

## 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 1 ton.

Hopper car for transportation of grain is equipped with 25 tf bogie, that benefit, combined with the increased up to 120 m<sup>3</sup> 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. New generation 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 19-9549-02
Payload capacity, t	77
Body space, m <sup>3</sup>	120
Tare weight, t	22.5
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
Apatite concentrate (apatites)	43103
Clay	15106
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
Urea (urea artificial)	43304
Corn beans	01802
Flax seeds	02107
Beet pulp	54207
Pomace	54205
Rye	01200
Other cargoes	O/R