

Hopper car for transportation of grain, model 19-9870-01



Description

The leader of UWC Holding in the production line of new generation hopper cars for transportation of grain.

With an improved load capacity of up to 76.5 t and a body space of 101 m³, the hopper car can be loaded to its maximum with medium-density grain. In such case, the car's useful load will be 6-7% above that of similar standard models. The two innovative lock and seal devices allow the car's loading and unloading hatches to be safely and rapidly locked up, reducing the costs of security sealing and saving the time during loading and unloading operations.

Increased terms of between-repairs run, which provide for the reduction by almost 3 times of the car life cycle costs, are a considerable competitive advantage of the freight car of model 19-9870-01.

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 19-9870-01
Payload capacity, t	76.5
Body space, m ³	101
Tare weight, t	23
Height from rail top level, mm	4,764
Number of loading / unloading hatches, pcs	4/6
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	32
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