

## Flat car for the transportation of large-capacity containers, model 13-6903



### Description

New generation flat car with 25 t axle load, 74.5 t of payload capacity and 80 feet loading length.

The flat car is designed to carry heavyweight containers and tank containers with non-hazardous freight with a gross weight of up to 36 t in accordance with local technical specifications. With 4 stationary and 10 movable pins used to secure containers, the flat car is able to carry containers of various size categories: 1AAA, 1AA, 1A, 1AX, 1BBB, 1BB, 1B, 1BX, 1CC, 1C, and 1CX.

Construction design of the flat car provides fatigue strength in the course of the whole 32 years of service life.

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 13-6903.

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

## Specifications

Technical specification	Model 13-6903
Payload capacity, t	74.5
Tare weight, t	25±0,5
Length over coupler pulling faces, mm	25,620±25
Width (max), mm	2,890
Gabarit as per GOST 9238-2013: car underframe	1-T
Gabarit as per GOST 9238-2013: bogie	02-BM
Container size types	1AAA, 1AA, 1A, 1AX, 1BBB, 1BB, 1B, 1BX, 1CC, 1C, 1CX
Movable container pins, pcs	10
Stationary container pins, pcs	4
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245 (25)
Service life, years	32
Regulatory overhaul period, up to mln km (years)	1 (8)