

## Multi-purpose flat car, model 13-6851/13-6851-04



### Description

New generation multi-purpose platform (model 13-6851/13-6851-04) with 25 tf axle load with 77.5 t payload capacity and 40 feet loading length.

This model 13-6851 platform is designed to carry wheeled and track vehicles, heavyweight containers and tank containers for non-hazardous freight of the following size types: 1AAA, 1AA, 1A, 1AX, 1CC, 1C, and 1CX with a gross weight of up to 36 tonnes, and specialised containers with a gross weight not exceeding 40 tonnes. The model 13-6851-04 car uses a Class T3 draft gear which enables it to carry containers and tank containers with hazardous freight.

Construction design of the platform provides fatigue strength in the course of the whole 40 years of its 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 platform of model 13-6851/13-6851-04.

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



## Specifications

Technical specification	Model 13-6851	Model 13-6851-04
Payload capacity, t	77.5	77.5
Tare weight, t	22±0,5	22±0,5
Length over coupler pulling faces, mm	14,620±25	14,620±25
Wheel base, mm	9,720	9,720
Width, mm	3,130	3,130
Gabarit as per GOST 9238-83: body	0-BM	0-BM
Gabarit as per GOST 9238-83: bogie	02-BM	02-BM
Container size types	1AAA, 1AA, 1A, 1AX, 1CC, 1C, 1CX	1AAA, 1AA, 1A, 1AX, 1CC, 1C, 1CX
Draft gear class	T1	T3
Bogie model	18-9855	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245 (25)	245 (25)
Service life, years	40	40
Regulatory overhaul period, up to mln km (years)	1 (8)	1 (8)