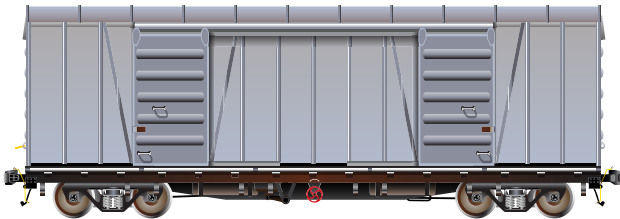


RAIL WAGON TYPES

COVERED



Internal dimensions (mm): 15724x2764x3050
Dimensions of doors (mm): 3802x2334
Useful volume (m3): 138
Useful load (t): 68

covered freight wagon is used to transport cargoes that require protection from atmospheric precipitation. The car body is a structure consisting of a frame with a floor, 4 walls and a roof. Loading and unloading in universal covered wagons is carried out through doors located in the side walls.

TANK



Useful volume (m3): 83
Useful load (t): 67

A tank wagon or a cistern (from Latin cisterna - pond, reservoir) is an artificial decked structure (container) for storage or transportation of liquids, liquefied gases, and granular materials. A tank wagon is a kind of rolling stock and is a welded metal tank of cylindrical shape, placed horizontally on a solid metal frame or two half-frames at its ends.

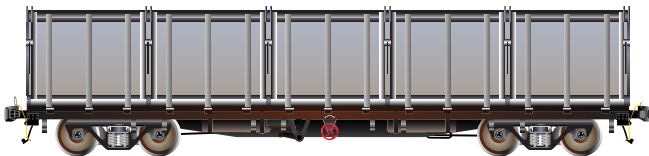
HOPPER



Useful volume (m3): 81
Useful load (t): 70

Hopper is a kind of wagon used for the mass transportation of fertilizers, cement, grain and other bulk cargo. To protect against atmospheric precipitation, covered hoppers are used with loading hatches on the roof.

SEMI



Internal dimensions (mm): 12690x2890x2050
Useful volume (m3): 75.2
Useful load (t): 71

Semi wagon is designed for the transport of goods that do not require protection from atmospheric precipitation. Semi wagons do not have a roof, it allows to fully mechanize the loading. For the transportation of loose goods, there are semi wagons with hatches in the floor, which allow to mechanize the unloading of such goods.

BOGIE FLAT



The bogie flat wagons are particularly well suited for conveying pipes, log wood and sawn wood. Design features:

- Each long side of the wagon has

- Eight extra-wide and extra-strong stanchions that are permanently attached to the wagon underframe,
- In order to lash down the freight, each pair of stanchions is fitted with a ratchet strap that can be operated by a single person,
- The stanchions have rollers situated at different heights to guide the lashing straps so that loads that extend only part way up the stanchion can also be properly secured.

Useful volume (m3): 75.2
Useful load (t): 71

open wagons and are used to transport a wide variety of goods both in bulk form (coal, briquettes, scrap metal, ores, rubble and rock, aggregate, sand, etc.) and in packaged form (bales, packages, barrels, round timber, rod iron, etc.). The wagons have an open-top, box-shaped storage space with a wooden or steel floor depending on design. Rings attached to the outside of the wagon enable sheets or tarpaulin covers to be fastened to prevent the freight from getting wet or to prevent wind losses from bulk goods. To secure lightweight loose scrap, Ea(n)(o)s-x wagons (wagons with a steel floor) are fitted with hooks below the top chords to allow wire netting covers to be fastened. In order to withstand the heavy-duty stresses experienced in scrap metal transport, some of the wagons in the Ea wagon fleet have been specially equipped with reinforced walls and floors and fitted out with guards to protect the wagon's control equipment.

OPEN



Internal dimensions (mm): 13300x2770x400
Useful load (t): 71

Fitting Platform is a wagon used for transportation of machines, equipment, long cargoes, containers, as well as bulk cargoes that do not require protection from atmospheric precipitation. **Container** platforms do not have sides and are equipped with special locks for fastening of heavy-duty universal containers of any types. Platforms for transporting the forest have end walls and additional special racks that prevent the shifting of the cargo.

PLATFORM

