

Wagon Shimmns-z



Wagon is destined for transport of steel plate coils which are loaded in horizontal position and have to be protected from atmospheric influences. For protection there is a folding tarpaulin on supports, guided on little wheels along wagon sides. Closed tarpaulin can be locked on wagon ends. In upper part of tarpaulin there is anti-condensation layer which prevents falling of condensate on steel plate coils.

In opened position of tarpaulin, 2/3 of wagon loading length can be uncovered.

Wagon is equipped with saddles for steel plate coils acceptance. On saddles there is a mechanism for coils side moving protection.

Wagon complies to UIC, RIV and TSI regulations.

Technical data

Track gauge.....	1435 mm
Number of axles.....	4
Length over buffers.....	12040 mm
Wheelbase.....	7000 mm
Loading width.....	2400 mm
Axle load.....	22.5 t
Tare weight.....	22 t ±2%
Max payload.....	68 t
Curvature radius.....	35 m
Maximal speed of loaded wagon.....	100 kmph
Maximal speed of unloaded wagon.....	120 kmph
Bogie type.....	Y 25 Ls1(K)

Wagon frame

Wagon frame has welded steel construction with longitudinal outside carriers. On upper part of frame, there are five saddles for steel plate coils housing. Wagon frame is made of steel plates, rolled and bended shapes. End part of frame is constructed for automatic clutch installing.

Bogie

Bogie is built for axle pressure of 22.5 tons and it is equipped with braking leverage for "S" regime. Bogie frame has welded steel construction. Slewing bowl and side slippers are equipped with poliamid-type inserts.

Wheel sets are for axle load of 22.5 tons per axle, with sleeve diameter of 130 mm. Monoblock wheels are BA 004 type for composite brake levers.

Coupling gear

Coupling gear is RG 15 type, with 1000 kN hook and 850 kN clutch.

Buffers

Buffers are in C class, buffer stroke is 105 mm, with hydraulic insert. Dimensions of buffer plates are 340 x 450 mm.

Braking equipment

Wagon is equipped with hand brake for ground handling, and with air brake type KE-GP-A-(K) 1x12" with DRV 2-600 type brake leverage regulator. Main air pipeline is 5/4", with pipeline taps mounted on both wagon ends. Brake inserts are built of composite-type material Cosid 810.

Tarpaulin

Wagon is covered with tarpaulin which is secured to main and auxiliary supports which are movable along wagon sides. On both sides of wagon there is a tarpaulin locking mechanism.

Grounding

Grounding is developed according to UIC 355 standard.