

## Wagon Uacns-z



4-axled tank wagon Uacns-z is destined for transport of bulk freight, powdered materials (like cement, lime, stone flour, kaolin) and other materials with granulation up to 3 mm.

Wagon loading is achieved by free drop of goods through openings on upper part of wagon tank. Unloading is performed by compressed air pressure, through 4 openings located on lower part of wagon tank, to both wagon sides.

Wagon is built according to UIC 505-1 standard and it complies to UIC, RIV and Croatian Railways standards.

### Technical data

Track gauge:.....	1435 mm
Number of axles:.....	4
Tread circle diameter:.....	920 mm
Length over buffers:.....	17140 mm
Underframe length:.....	15900 mm
Wheelbase:.....	12100 mm
Maximal height above top of rail:.....	4310 mm
Tank diameter:.....	3000 mm
Tank length:.....	12960 mm
Tank volume:.....	80 m <sup>3</sup>
Tare weight:.....	26 t
Max. payload:.....	64 t
Maximal axle load:.....	22.5 t
Maximal speed:.....	120 kmph
Curvature radius:.....	60 m
Bogie type:.....	Y 25 Lsd1

### Coupling gear

Coupling gear is frontal-type, according to UIC 520 and UIC 521 standard, with elastomer-type spring type RG 15 (TS-2), tensile hook is type B with suspension force of 1000 kN and clutch with 850 kN suspension force.

### Buffers

Buffers are in A class (30 kJ), with 4 rectangular buffer plates, according to UIC 526 and 527-1 standard and with elastomer-type spring.

### Braking equipment

Wagon is equipped with hand brake and air brake according to UIC 540 - 545 standard. Air brake GP-2x12" is automatic. Braking equipment also has gear box device "passenger-goods" and mechanical switching device "empty-loaded". Braking leverage is equipped with two automatic regulators RSP-2A-H1-450. There is one main air pipeline tap mounted on both wagon ends. Two 12" braking cylinders are also installed, main air pipeline is 5/4" in diameter. Hand brake with spindle and bevel gears acts to bogies through braking leverage. Hand brake manipulation is handled by from wagon platform.

### **Platforms, stairs, holders and signal supports**

There is a platform with fence on one wagon end. Wagon is equipped with stairs and holders, according to UIC 535-1 and UIC 535-2 standard.

Signal supports are made according to UIC 532 standard. There are 2 dragging hooks on wagon, according to UIC 536 standard. There are also leaflet frames, one on each side of the wagon.

### **Painting and inscriptions**

Wagon is painted and marked with RAL 8012 paint, according to UIC, RIV and Croatian Railways standards. Tank is painted with stone white epoxy bituminous-type paint (RAL 7030).