

## Wagon Sgnss-z



Wagon Sgnss-z is suitable for transport of heavy containers and replaceable reservoirs, according to RIV and Croatian railways standards.

### Technical data

Track gauge:.....	1435 mm
Number of axles:.....	4
Tread circle diameter: .....	920 mm
Bogie axles distance: .....	1800 mm
Bogies distance: .....	14200 mm
Underframe length:.....	18500 mm
Length over buffers:.....	19740 mm
Max. loading surface height above top of rail:.....	1155 mm
Maximal speed with 18 tons load: .....	120 kmph
Maximal speed with 22.5 tons load: .....	100 kmph
Bogie type:.....	Y 25 Ls(s)d1
Tare weight: .....	20 t
Max. payload:.....	70 t
Maximal axle load: .....	22.5 t

### Underframe

Underframe has welded steel construction which consists of two longitudinal carriers "fish-stomack" type outside, connected by transverse carriers to make bearable skeleton.

Underframe is constructed for automatic clutch installing. Cover plates are placed in axles areas for spark prevention, according to UIC regulations.

### Bogies

Bogie is Y 25 Ls(s)d1 type with two axles. Tread circle diameter is 920 mm and journal diameter is 130 mm. Bearings 130/240 are built-in.

### Coupling gear

Coupling gear is tensile-type with elastomer spring TS 2 type RG15, breaking strength of screwed clutch is 850 kN and 1000 kN for hook.

### Buffers

Buffers are in class A according to UIC 526-1 standard, with elastomer spring, buffer stroke is 105 mm and 340 x 450 mm untwisted buffer plates.

### Hand brake

Hand brake is made according to SS regime requirements. Hand brake acts on wagon wheels by turning of hand brake wheel, over brake leverage and 16 double brake levers. Brake leverage regulator compensates total exhaustion.

### **Compressed air brake**

Air braking device consists of compressed air brake GP-A type, with distributor, two 16" braking cylinders, 250 liter auxiliary reservoir and two braking leverage regulators.

Change over valves are built in bogie construction, for "empty-loaded" regimes.

Main line ends on wagon ends with one connecting hose and a tap.

### **Stairs, holders and signal supports**

Wagon is equipped with two left diagonal built-in stairs according to UIC 535-2, holders and signal supports according to UIC 532 standard.

### **Painting and inscriptions**

Wagon is painted and marked with RAL 8012 paint, according to UIC, RIV and Croatian Railways standards.