

# MINE HIGH-CAPACITY AUTOMATIC DISCHARGE WAGON

VSV 3,3

VSV 5,3

VSV 10



## Utilization:

The high-capacity automatic discharge wagon type VSV is dedicated for rock transportation of maximum apparent density 1,2 t/m<sup>3</sup> in an integrated train set with continuous charge during run in the charging station and discharge during through-passage in the automatic discharge ramp above the skip silo.

<u>Technical Parameters:</u>	VSV 3,3	VSV 5,3	VSV 10
Volume	3,3 m <sup>3</sup>	5,3 m <sup>3</sup>	10 m <sup>3</sup>
Dimensions (mm)	1100x1470x3200	1250x1600x4200	1600x1800x6000
Wheel Base (mm)	1300	1800	2500
Wheel Track (mm)	600 – 750	600 – 750	900 – 1000
Tractive Force	40 kN	40 kN	
Maximum Speed	18 km/hour	18 km/hour	20 km/hour
Empty Wagon Weight	1730 kg	2330 kg	5000 kg

## Description:

The wagon consists of the all-welded bucket, two floor plates with spring-loaded axle wheel set, a coupling gear and a tow bar. In the bottom the bucket has two discharge holes that close two independent floor plates. The floor plates are connected with the bucket side with hinges for full opening of the floor plates including the wheel axles. The wagon coupling gear enables automatic connecting of wagons, the disconnecting must be done manually. For continuous wagons charging without coal siftings the buckets fronts are lapped over one another with a nose. The sloping sides improve the wagons discharging and reduces sticking. The wagon spring loading is made with help of rubber disc springs performing also the function of swing axle in the cross direction. The swing axle copies the rail yard asperity and evenly distributes impulses to the rubber springs. This kind of the spring loading improves the run characteristics of the wagon and reduces the noise level.

**Picture of the Configuration VSV 5,3 with the Main Dimensions:**

