

# Special closed wagons series Hbis-z (224)

The wagons series Hbis-z (224) are 2-axle wagons with fixed roof and sliding sides made of aluminum. This wagon series is intended for transporting different packed goods or packed goods on pallets, and especially goods which needs to be protected from atmospheric influences or unauthorized access. Specific feature of this wagon is the possibility to open the sides at once up to the middle of the loading length of the wagon along the entire height of the wagon. This facilitates mechanized loading and unloading of goods on pallets with a forklift from the platform without the need for the forklift to enter the wagon itself, and without the need to place the wagon next to the loading ramp. Parts of goods must not lean on the aluminum doors and, therefore, that needs to be made impossible with packing, placing on pallets, proper stacking or additional securing. Airing of the wagon interior is not possible.



## Technical characteristics of freight wagons series Hbis-z

LETTER WAGON SERIES		Hbis-z
NUMERIC WAGON SERIES		224
Number of axles	-	2
Distance between end axles	m	8,00
Length over buffers	m	14,02
Useful floor length	m	12,76
Useful floor width	m	2,90
Useful floor surface	m <sup>2</sup>	37,00
Useful volume	m <sup>3</sup>	93,00
Number of sliding sides	-	4
Door – loading width	m	6,28
Door – loading height	m	2,76
Height from the top of rail to the floor	m	1,23
Wagon dead weight (tare)	t	14,00
Interoperability capacity	-	RIV

### Loading limits in tons:

	A	B	C
S	18,00	22,00	26,00

\* Wagon loading limits can be, depending on the wagon dead weight (tare), slightly higher or lower than the values indicated in the above table

### Meaning of the subseries of the wagons series H:

- b** – 2-axles;  $12\text{m} \leq l_u < 14\text{m}$  and unloading space  $> 70 \text{ m}^3$
- i** - with sliding sides
- s** - for the speeds of up to 100 km/h

## Arrangement of flat pallets in the wagons series Hbis-z (224)

