

Special 4-axle wagon series Shimms (455)

Freight wagons series Shimms are 4-axle wagons for transporting sheet metal rolls, loaded along their horizontal axe, which need to be protected from atmospheric influences. Protection of the load is to be performed with tarpaulin. The wagons are equipped with bearer plates for placing sheet metal rolls. Device securing from lateral movement of rolls is installed in bearer plates.

Loading capacity of bearer plates of the wagons series Shimms is indicated in the following table:

Bearer plate No	Sheet metal roll diameter (mm)	Sheet metal roll unit weight (t)
1	1000 to 2250	up to 33
2	800 to 1700	up to 17
3	1000 to 2250	up to 28
4	800 to 1700	up to 17
5	1000 to 2250	up to 28



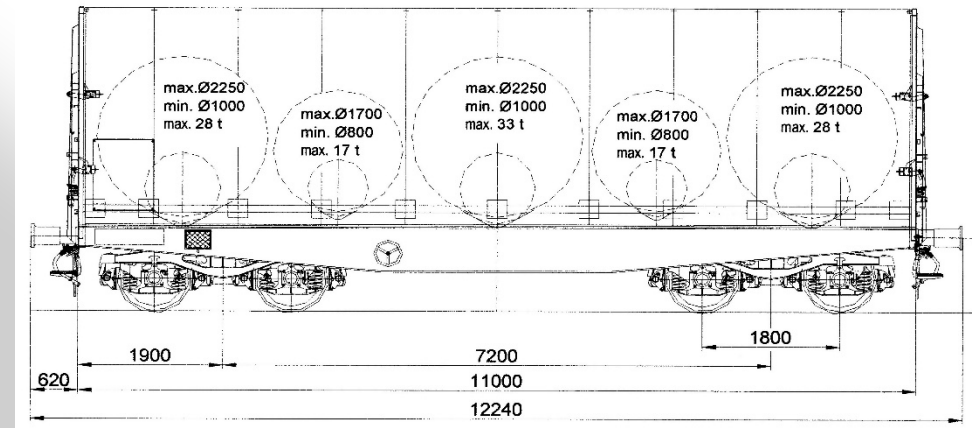
Technical characteristics of the freight wagon series Shimms

LETTER WAGON SERIES		Shimms
NUMERIC WAGON SERIES		455
Number of axles	-	4
Height the wagon from the top of rail	m	4,28
Distance between bogie pivots	m	7,20
Length over buffers	m	12,24
Useful floor length	m	10,80
Useful floor width	m	2,40
Useful floor surface	m ²	25,90
Height of the floor from the top of rail	m	1,06
Wagon dead weight (tare)	t	23,00
Interoperability capacity	-	RIV

Loading limits in tons:

	A	B ₁	B ₂	C ₂	C ₃	D ₃	D ₄
S	38,20	38,20	49,00	55,30	57,00	55,30	57,00

Maximum loading capacity of bearer plates - drawing



Meaning of the subseries of the freight wagons series S:

- h** – adapted for transport of metal sheet rolls in horizontal position
- i** – with movable tarpaulin and hard high front sides
- mm** – with four axles: useful length $l_u < 15m$
- s** – for the speeds of up to 100 km/h