



NEW SERVICE
DOUBLE-DECK
TRAILER DELIVERIES



Benefits of the Double-Deck System:



you can load more goods in one truck, saving both money and time – no need for two vehicles (66 pallets instead of 33)



your fragile or pressure-sensitive goods are placed on two levels, eliminating the risk of damage



you can ship two different loads to different destinations in one truck (e.g. Poland + Ukraine), as we handle transshipment along the way – saving you both money and time



you are under the care of one company, with a single point of responsibility – giving you greater control over the process and the confidence that everything goes according to plan



if you focus on sustainability, you help reduce emissions by using 1 truck instead of 2



in addition, we offer double-driver crews (delivery up to 50% faster), giving you greater certainty of on-time delivery to your client or recipient

Types of cargo we can transport?

At the front and rear of the semi-trailer, the cargo is secured by:

- Full truck loads in double capacity – thanks to the maximum use of loading space – 66 pallets
- Partial loads / groupage – the double-deck system facilitates consolidation of smaller shipments, reducing client costs
- Empty returnable packaging (gitterboxes, empty pallets, crates, etc.)
- Non-standard, non-palletized cargo, e.g. long plastic pipes

How the system works?

The trailer is equipped with a set of special beams that create a second level for pallets.



To use the double-deck loading system, the cargo must meet the following dimensional and weight requirements:



1. For loads consisting of pallets of uniform height and weight:
- Pallets 120×80 cm – maximum pallet height: 125 cm, maximum gross weight: 270 kg
 - Pallets 120×100 cm – maximum pallet height: 125 cm, maximum gross weight: 345 kg

2. For loads consisting of 120×80 cm or 120×100 cm pallets of different height or weight (e.g. the load on the lower deck is heavier or taller than the pallets on the upper deck):

- Maximum height of pallet X on the lower deck: 1.55 m
- Maximum height of pallet Y on the upper deck = 2.50 m – X
Example: if X = 1.20 m, then Y = 2.50 – 1.20 = 1.30 m
- Maximum load capacity of the upper deck: 9,000 kg gross
For euro pallets, the maximum weight per pallet on the upper deck = 9,000 kg ÷ 33 pallets = 272 kg gross per pallet
- Allowable load capacity of the lower deck = 24,000 kg – load of the upper deck
Example: if the maximum load of the upper deck = 9,000 kg, then the allowable load of the lower deck = 24,000 – 9,000 = 15,000 kg
- Maximum pallet weight on the lower deck:
 - Pallet 120×80 cm = 15,000 ÷ 33 = 454 kg
 - Pallet 120×100 cm = 15,000 ÷ 26 = 577 kg

3. With the additional equipment of 12 beams, it is also possible to load 32 gitterboxes (124 × 83.5 cm) on the second level



Cargo securing on the second deck

At the front and rear of the semi-trailer, the cargo is secured by:

- 4 blocking beams preventing pallets from shifting at the front (2 beams – one blocking the bottom of the pallet, the other securing the load)
2 beams at the rear of the semi-trailer
- additional 2 clamping beams attached to aluminum side rails, preventing pallets and cargo from shifting

On the sides of the semi-trailer, the cargo is secured by:

- 48 aluminum slats in 6 sections on each side (8 slats securing the cargo against lateral movement along the full height of the semi-trailer)
- double set of lashing straps securing the cargo on both levels
- additional tensioning straps reinforcing the structure of the semi-trailer
- curtain side tarpaulin with 900 g/m² weight and all reinforcements in compliance with XL EN 12642 certification

Loading options for curtain-sided semi-trailers:

- from the rear
- from the side
- from the top (e.g. pipes, non-standard elements)



Cargo securing on the second deck



GET IN TOUCH WITH US

Test it
Try it out
and see
how much you can save
with our new service



ul. Jagiellońska 85/87
42-229 Częstochowa
+ 48 34 371 21 31
www.xl-logistics.pl