

Type of transportation

"TROHIS" are offering two types of transportation - horizontal and vertical.

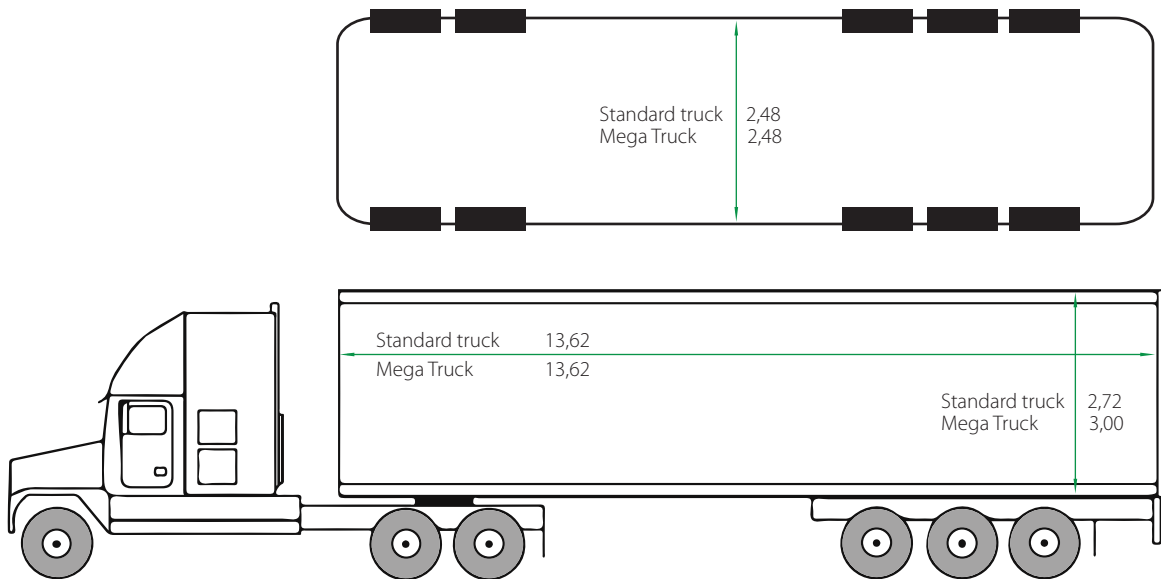
In case of horizontal transport, "TROHIS" will wrap CLT panels in plastic film (from 5 sides) to protect them from ambient influences. After that panels are placed between fastening straps and cardboard edge protectors are applied.

Wooden skids are applied under first layer, after that next layers are stacked horizontally on top of the first one.

Vertical transportation requires A-shaped frame against which CLT panels can be leaned and after screwed to each other. Then CLT panels are strapped together. CLT panels are also placed on keel to avoid tilting and slipping. Cardboard edge protectors are also applied.

When choosing type of transportation all sizes and dimensions have to be taken under consideration when deciding on type of transportation and truck.

Type	Length	Width	Height
Standard truck	13,62	2,48	2,72
Mega truck	13,62	2,48	3,00



Lifting methods

Lifting method applies screw thread, often shortened to thread. Screw is drilled in CLT panel and anchor is hooked on top of the screw. The maximum load capacity is 13 kN. The fully threaded screws for this particular lifting system are available in the length from 100 mm to 600 mm.

The maximum allowable lifting load depends on the angle α and the embedment length of the screw.

Lifting method can be applied for both - **verically** and **horizontal** transportation.



Verically

All lifting systems can be installed directly on the panels in the "TROHIS" factory.

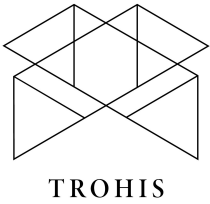
Types of lifting



Horizontally

All lifting systems can be installed directly on the panels in the "TROHIS" factory.





Lifting methods

"TROHIS" are using slings that are 100 % Polyester (PES).

The most effective length for sling is 1 meter, the width is 50 mm and the thickness is about 3 mm. One of the aspects, which always has to be taken under consideration, is the angle of the lifting, with the correct calculations it is possible to lift up to 2000 kg.

Each sling can be used only once. It is possible to use the same sling 3 – 6 times but when sling gets removed it is forbidden to use sling again.



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