

**LOADING, TRANSPORT AND STORAGE  
INSTRUCTIONS PREPARED BY ELMONTER  
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## 1. Introduction

The following instructions apply during loading, transport, unloading and storage of steel structures (poles, brackets) from ELMONTER. All work related to the above activities should be performed in accordance with applicable standards and in compliance with appropriate health and safety regulations.

## 2. Loading and transport

Elmonter's structures can be divided into the following assortment:

- steel lighting poles,
- brackets, beams, heads for lighting poles,
- structures according to the PN-EN 1090 standard.

All elements of the pole should be protected against damage. For this purpose, wooden spacers should be used during transport. Individual elements of the pole should be fastened to the transport platform using certified belts made of soft PES or PA material to protect against shifting or abrasion causing zinc coating loss.

Poles should be transported in accordance with applicable road transport regulations. Damage to the zinc coating caused during transport should be repaired immediately. Any damage to the paintwork incurred during transport should be repaired in accordance with the painting kit manufacturer's recommendations.

## 3. Unloading and storage

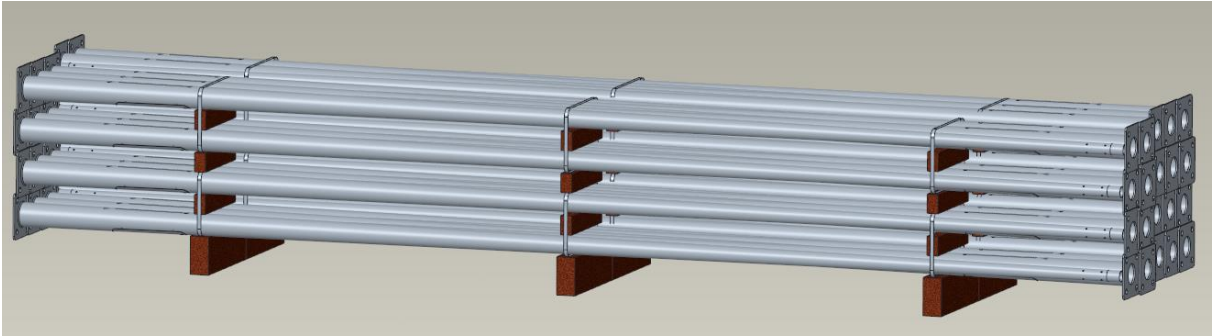
Before starting unloading, the following must be secured on the construction site:

- unloading workers, at least 2 people,
- a crane for unloading pole segments from a trailer with appropriate parameters,
- certified lifting slings made of soft material with appropriate strength,
- wooden pads on which pole elements are placed,
- galvanizing paste,
- a ruler,
- a cotton cloth for wiping dirty pole surfaces.

The place where the structures will be stored should be dry, preferably covered. This will minimize the impact of weather conditions on the quality of the poles' external coating.

The storage procedure is described below:

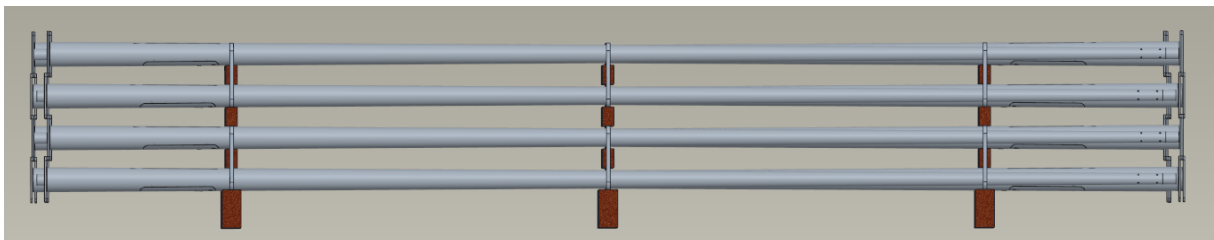
1. Poles and masts must be stored on a level and hardened surface. The maximum permissible height of packages is -2, which are arranged in 2 rows. A total of 40 poles are stored in this way:



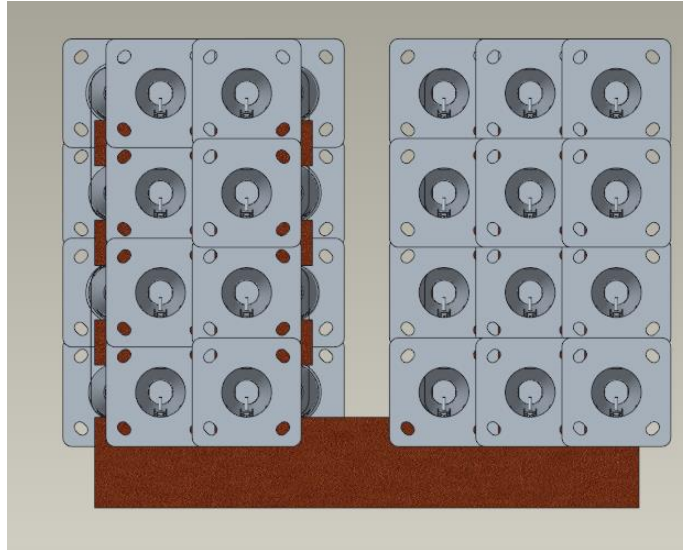
2. Below is an example of storing 2 packages:



- Poles and masts should be assembled on wooden battens. The height of the battens laid on the ground should be about 20 cm (a 2x10 cm package can be used). The height of the wooden battens between the poles in the package is variable and depends on the size of the pole bases. The height should be selected in such a way that after packing the edge of the base does not touch the adjacent pole.



In the case of elastomer-painted poles, the first row of spacers should be placed just behind the painting area (usually just above the inspection recess). The second row of spacers should be placed in the middle of the package.



Length of the lower spacer 10x20cm L=approx. 150cm (2x10cm package can be used).

Length of spacers between packages 10x13cm L=approx. 70cm (package can be used).

Both lower and upper spacers should be wrapped in a casing.

2. Unloading and loading should be carried out using a crane, HDS or forklift.
3. During loading and unloading, use belts that do not cause damage (e.g. linen belts). Do not use steel cables and chains.
4. If the poles are stored for more than 2 months from the date of delivery, they should be unpacked. This will prevent damage to the paint coating resulting from long-term contact.

## 4. Packaging

1. Fully painted poles and booms are packed in a cover along their entire length. In the case of partially painted poles, the cover is applied only to the painted part.

a) Packaging of brackets.



b) Packaging of poles covered with a paint system: - the poles should be packed in a cover along their entire length.



- it is very important (in the case of fully painted poles) to put additional lagging in places where the tapes are located.



- The pole identification label is located on the bottom of the pole and in the inspection recess.

