

Safety brochure

# Sortimo TopSystem



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## Warnings and symbols

- These instructions contain information about possible dangers that could arise with incorrect use and/or improper behaviour.

### A distinction is made between the following:

	<b>Danger!</b>
Failure to observe the warning can cause severe personal injury and/or serious material damage!	

	<b>Caution!</b>
Failure to observe the instructions can cause personal injury and/or material damage!	

	<b>Important!</b>
Failure to do so can result in material damage!	

	<b>Information!</b>
Recommendations and useful hints!	

## Information on the document

	<b>Caution!</b>
<p>This document forms part of the assembly instructions, instructions for use and is also a key element of the safety concept.</p> <p>All sections of the assembly instructions and instructions for use must be adhered to for the safe use of the product.</p> <ul style="list-style-type: none"><li>• Read this document carefully before use.</li><li>• Keep this document for subsequent reference.</li><li>• Pass this document on to the end user and the vehicle user.</li></ul>	

## Conventions

This document includes symbols and text highlighting. The meanings (abbreviations) are explained below.

**STS** This abbreviation stands for the Sortimo TopSystem. In this document STS stands for the roof rack and accessories used to secure the load.

\* Denotes products and functions that are available as an option.



### Information!

Depending on the configuration, several van racking systems are included in the delivery. We recommend that you install them separately from each other.



### Important!

Ensure that the specified screw fixing torques are adhered to.

- **M4 = 4 Nm**
- **M6 = 8 Nm**
- **M8 = 12 Nm**

If other torque is required, it is specified in the instructions!

## Intended use

The STS is designed to secure and transport the load. The securing and transport of the load requires Sortimo roof rack support legs, cross members and appropriate accessories to be fitted. The STS is intended solely for use with commercial vehicles.

## Operator's obligations

- You must adhere to the applicable laws and regulations (e.g. StVO (German Road Traffic Act), stipulations from the employer's liability insurance association).
- Regularly check the STS for wear or damage.
  - Immediately remove the STS if it is worn or damaged.
  - Only allow repairs to be carried out by authorised workshops.
- Remove the STS when not in use.
- Make sure that the safety equipment is fitted.
- Make sure that the safety labels are visible and legible on the product.

## Foreseeable misuse



### Caution!

#### **Danger from the load securing mechanism coming loose.**

If the load is incorrectly secured, the load or elements of the load securing system can come loose during the journey.

- Carefully and immediately stop the vehicle,
  - If the load or elements of the load securing system fall from the roof.
  - If the vehicle's driving behaviour changes.
  - If the noise level changes.
- Take the following steps if the load or elements of the load securing system have come loose:
  - Cordon off the danger zone.
  - Make sure that the load securing elements are undamaged.
  - Immediately remove damaged load securing elements.
  - Only continue with your journey once the load has been secured.

#### **Injury from incorrect lashing.**

The load can come loose if it is lashed incorrectly.

- Lash the load to the cross members that are fixed directly to the roof rack support legs.
- Do not run the lashing straps over more than one cross member.
- Do not use the following for lashing: roof rack support legs, side rails, side supports, load stoppers, loading rollers, ladder locking mechanisms, spoilers, universal brackets.

#### **Danger from uncontrolled road handling.**

Pay attention to the maximum permitted loading weight.

- Observe the following details in the handbook and in the vehicle documentation provided by the vehicle manufacturer:
  - Maximum permissible total axle load.
  - Maximum permissible axle load.
  - Maximum permissible total weight.

#### **Danger of injury from falling.**

The roof rack does not have personal safety equipment.

- Do not walk on the STS.
- Do not use the STS as a working platform.

## Limitations of use

 <b>Danger!</b>
<p><b>It is prohibited to cover emergency exits in the roof with the roof rack system, especially when transporting people.</b></p> <p>Never exceed the maximum permitted loading weight!</p> <ul style="list-style-type: none"> <li>• Pay attention to the weight of your van racking system.</li> <li>• Note the maximum permitted load capacity/payload of the elements.</li> <li>• Danger from falling objects</li> <li>• Observe the specifications in the handbook and in the vehicle documentation.             <ul style="list-style-type: none"> <li>○ Maximum permissible axle load.</li> <li>○ Maximum permissible total weight.</li> </ul> </li> </ul>

Weight	You will find the weight information in your offer documents.
Load capacity	<p>The addition of each pair of fixed roof rack support legs increases the load capacity of the STS by 50 kg.</p> <p><b>Note:</b> The inherent weight of the STS and the load securing accessories reduces the maximum permissible loading weight.</p> <p>Pay attention to the following information in the handbook and in the vehicle manufacturer's documentation:</p> <ul style="list-style-type: none"> <li>• Maximum permissible total axle load.</li> <li>• Maximum permissible axle load.</li> <li>• Maximum permissible total weight.</li> </ul>
Temperature	-30 °C to +80 °C
Load capacity	<p>Each lashing point on the cross member with ProSafe can carry a maximum load of 200 daN. *</p> <div style="text-align: right;">  </div>
Payload	<p>Maximum 50 kg with transport tubes. *</p> <p><b>Note:</b> Make sure that the transport tubes are sealed before setting off.</p>

## Requirements for the user

Life phases	Knowledge
Fitting and dismantling the product	- Technical expertise
Securing of load	- The applicable legislation and standards governing the securing of loads, e.g. the German Road Traffic Act StVO and the German Regulation on the Approval of Road Vehicles StVZO.

## Safety labels

! Caution!
<p>Dangerous situations cannot be avoided if safety labels are illegible or missing from the product.</p> <ul style="list-style-type: none"> <li>• Make sure on a daily basis that all safety labels are visible on the product.</li> <li>• Replace any missing or illegible safety labels.</li> </ul>

<p>Attach the safety label visibly to a cross member.</p> <p>The label indicates that the permissible loading weight must be complied with.</p> <p>The permissible maximum loading weight can be found in the handbook and in the vehicle manufacturer's documentation.</p>	<p>The diagram shows a scale with a weight of 'max. 50 kg' and a truck with a weight of 'max. ?? kg'. A pair of scissors icon indicates that the label should be cut out and attached to the truck.</p>
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## Loading



### Caution!

#### Observe the following points when loading:

- Make sure that your working environment is safe. Position the vehicle on flat solid ground.
- Always use two people to install and remove the STS using appropriate tools and materials.
- Observe the information contained in the StVO (German Road Traffic Act), in particular § 22 Loading.
- Do not allow the load to protrude beyond the rear of the vehicle on vehicles with a tailgate.
- Use safe equipment for loading and unloading purposes. Only use ladders in conjunction with the Sortimo ladder locking mechanism. \*
- Distribute the load evenly on the STS.
- Keep the centre of gravity of the load as low as possible.
- Do not allow the load and the STS to project beyond the loading area.
- Position narrow and heavy loads close to the roof rack support legs.
- Only install loads without angle mounting to avoid the creation of drive forces.
- Take particular care when loading and unloading high roof vehicles.
- Use appropriate Sortimo accessories to secure the load in accordance with the applicable technical regulations.
- Check that the load and load securing elements are fixed in place:
  - After loading.
  - Before each journey.
- During breaks in the journey.

## Driving and transporting

	<b>Caution!</b>
<p>The road handling of your vehicle is affected by the fixing and loading of the STS.</p> <ul style="list-style-type: none"><li>• Check the mounting connections and ensure that the load is secure after a short test drive, and at regular intervals during use.</li><li>• Reduce your speed in cross-winds and when cornering.</li><li>• Factor in an extended braking distance.</li></ul> <p>The STS increases the height of the vehicle.</p> <ul style="list-style-type: none"><li>• Measure the overall height of the STS and the load.</li><li>• Note the height restrictions.</li></ul> <p>Please note that airflow under flat loads (e.g. panels) can create lifting forces.</p> <ul style="list-style-type: none"><li>• Reduce your speed with flat loads.</li></ul>	

## Transport regulations

The products are delivered in proper packaging and must be immediately checked for externally recognisable transport damage on receipt.

Any complaints must be sent to the carrier immediately.

- Dispose of packaging material in accordance with local/national regulations.

## Disposal

The Sortimo “STS” consists of recycled materials, such as aluminium, steel or high-grade plastics. At the end of its usable life, the “STS” can be recycled in an environmentally-friendly manner.

- Dispose of the STS in accordance with local/national regulations or by returning it directly to the manufacturer.





