

4004769 HST RE / Stand: 09.2015 / Druck: 09.2015

EN

Instructions for Operating and Maintenance

Side sectional door (HST)

Contents

1	About These Instructions.....	7
1.1	Warnings used.....	7
1.2	Abbreviations used.....	8
2	⚠ Safety Instructions.....	8
2.1	Intended use.....	8
2.2	General safety instructions.....	8
2.3	Environmental conditions	8
3	Fitting.....	8
4	Operation.....	9
4.1	Door operation.....	9
5	Cleaning and Care	9
6	Inspection and Maintenance	9
6.1	Inspections and maintenance	9
7	Malfunctions and Troubleshooting	10
7.1	Paint treatment	10
8	Dismantling	10
	Tools required to fit the	
	side sectional door	107
I	Frame box	107
II	Accessory box	108
III	Door leaf accessories	108
IV	DS track application (optional).....	109
V	Manually operated door	
	track application (optional).....	109
VI	Curve side extension (optional).....	109

Dear Customer,

We are delighted that you have chosen a product from our company.

1 About These Instructions

These instructions are divided into a text section and an illustrated section. The illustrated section can be found after the text section.

These instructions are **original operating instructions** as outlined in the EC Directive 2006/42/EC. Read and follow these instructions carefully. They contain important information on the product. Please pay particular attention to all safety instructions and warnings.

Keep these instructions in a safe place for later reference!

1.1 Warnings used



The general warning symbol indicates a danger that can lead to **injury** or **death**. In the text, the general warning symbol will be used in connection with the caution levels described below. In the illustrated section, an additional instruction refers back to the explanation in the text.

WARNING

Indicates a danger that can lead to death or serious injuries.

CAUTION

Indicates a danger that can lead to minor or moderate injuries.

ATTENTION

Indicates a danger that can lead to **damage** or **destruction of the product**.



Important note for avoiding damage to property



Permissible arrangement or activity



Non-permissible arrangement or activity



See the illustrated section (e.g. section 2.1)

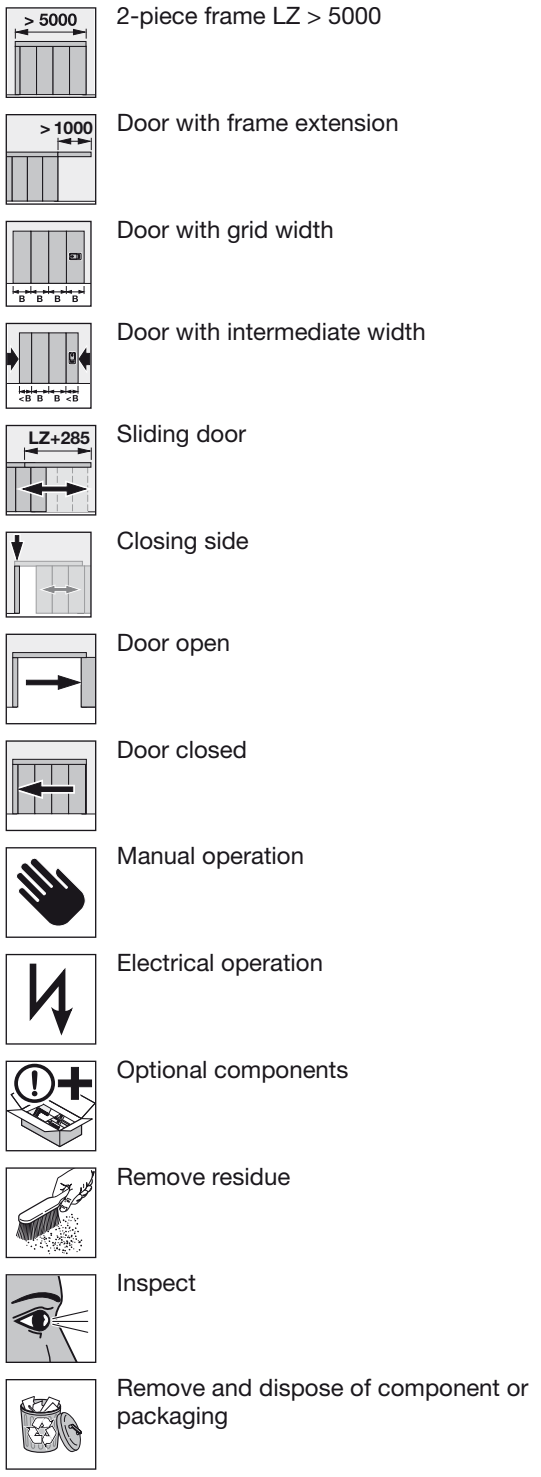


See separate fitting instructions for the control or for the additional electrical control elements



Move component slowly

Dissemination as well as duplication of this document and the use and communication of its content are prohibited unless explicitly permitted. Noncompliance will result in damage compensation obligations. All rights reserved in the event of patent, utility model or design model registration. Subject to changes.



1.2 Abbreviations used

- OFF (FFL)** Finished floor level
- LZ** Clear frame dimensions / ordering size

2 Safety Instructions

2.1 Intended use

This garage door is designed and intended for private use only.
 Continuous operation is not permitted.

2.2 General safety instructions

- Fitting, maintenance, repair and dismantling of the side sectional garage door may only be carried out by specialists (competent persons in accordance with EN 12635).
- In the event of a door failure (sluggish operation or other malfunctions), a specialist must be commissioned immediately for the inspection / repair work.
- The specialist must ensure that the respective national regulations regarding occupational safety are complied with.
- Before the door is put into service, check that it is in a flawless mechanical condition, as well as correctly balanced, so that it can be easily operated by hand (EN 12604).
- The field of application for side sectional doors is laid down in EN 13241-1.
- When the door is fitted, attention must be paid to potential hazards as defined in EN 12604 and EN 12453.

2.3 Environmental conditions

ATTENTION
<p>Damage due to temperature differences Differences in the inside and outside temperatures may cause deflection of the door elements (bi-metal effect). This may result in damage when the door is operated.</p> <p>▶ Comply with the operating conditions.</p>

The door is intended for the following operating conditions:
 Temperature:
 • Exterior side - 40 °C to + 60 °C
 • Interior side - 20 °C to + 60 °C
 Relative humidity: 20 % to 90 %

3 Fitting

 WARNING
<p>Danger of injury as the result of structural modifications Changing or removing functional parts may put important safety components out of action. Uncontrolled door travel could occur and persons or objects may be trapped as a result.</p> <p>▶ Do not alter or remove any functional parts. ▶ Do not attach any additional components of another make. ▶ If equipping the door with an operator, pay attention to the instructions provided by the manufacturers of the door and operator. Only use the original connections of the door manufacturer!</p>


Before fitting the door, the door opening and the building floor must be completely finished. The door opening must be horizontal and perpendicular, the building floor in the area in which the door travels must be flat and horizontal (see Figure 1).

- Observe the following during fitting:
- Establish a secure connection with the building structure.

- Check that the fixing materials supplied are suitable for the given structural conditions.
 - Always obtain the permission of the structural engineer before fastening the door to supporting structural elements.
 - Ensure adequate water run-off in the area of the floor rail and the frame parts, otherwise there is a danger of corrosion.
 - Ensure sufficient drying and ventilation in the building, otherwise there is danger of corrosion.
 - The door must be effectively protected before carrying out plastering and paintwork, as splashes of mortar, cement, plaster, paint etc. can damage the door surface.
 - Protect the door from caustic, aggressive substances, e.g. nitrous reactions from stones or mortar, acids, alkali solutions, de-icing salt, aggressive paints or sealants. Failure to do so could lead to corrosion.
- ▶ **To ensure simple and secure fitting, please follow the work steps listed in the illustrated section.**

4 Operation


4.1 Door operation

 WARNING
<p>Danger of injury due to door travel The side sectional door closes horizontally; persons or objects may be trapped.</p> <ul style="list-style-type: none"> ▶ When in operation, make sure that neither persons, children in particular, nor objects are located within the door's area of travel. ▶ Always keep the opening area of the door clear. ▶ Do not operate the door in strong winds.

The door must only be operated by **suitably instructed** persons. If the side sectional door is competently fitted and inspected, it can be easily moved and operated.


4.1.1 Manually operated doors

Note the separate fitting instructions for manually operated doors (see Figures **2.6a / 2.6b** and **4a.2 / 4b.2**).

 WARNING
<p>Danger of injury due to improper operation Persons or objects may be trapped if the door is operated improperly.</p> <ul style="list-style-type: none"> ▶ Only open and close the door using the supplied operating elements; these ensure a controlled, smooth action. ▶ When closing the door, make sure that the latches engage fully and correctly.

4.1.2 Power-driven doors

The automation of a door requires that special safety regulations be observed. Consult your supplier.

 CAUTION
<p>Danger of crushing between the door and wall Crushing may occur if the space between the automated door in the open end-of-travel position and the rear garage wall is ≤ 500 mm.</p> <ul style="list-style-type: none"> ▶ In this case, fit a buffer sealing to the last section as well (see Figure 4a.6 / 4b.5).

5 Cleaning and Care


ATTENTION
<p>Scratches on the panes due to improper cleaning Rubbing the panes causes scratches.</p> <ul style="list-style-type: none"> ▶ Dirt and dust particles must first be thoroughly rinsed off with water. If necessary, only wash with water, a pH-neutral household detergent and a soft, clean cloth.

Clear water is sufficient for cleaning and care. Use warm water together with a neutral, non-abrasive cleaning agent (household detergent, pH value 7) if more heavily soiled. To preserve the surface characteristics, **regular cleaning must be carried out at least every 3 months** (outside of door, seals). The slide area behind the side seals must be kept permanently clean so that it offers a smooth sliding surface.

A variety of environmental influences (e.g. maritime climate, acids, road salt, air pollutants, paint damage) may make additional protective coating necessary (see *Paint treatment* on page 10).

6 Inspection and Maintenance

6.1 Inspections and maintenance

 WARNING
<p>Danger of injury due to defective safety components Important safety components may fail or become defective if not sufficiently inspected and maintained.</p> <ul style="list-style-type: none"> ▶ Have a qualified person perform inspection and maintenance work at regular intervals.

The following inspection and maintenance tasks must be carried out by a specialist in accordance with these instructions, before initial operation and at least once a year.

6.1.1 Fixing points

- ▶ Check all the fixing points on the door and the building structure and make sure that all the fastenings are securely seated and, if necessary, retighten.

6.1.2 Rollers and tracks

Rollers must rest evenly on the track (see Figure **6**).

- ▶ Adjust rollers if necessary. Observe the operator fitting notes; they contain details on roller adjustment.
- ▶ Clean tracks, if necessary, **do not grease!**

6.1.3 Check the floor rail and floor guide rollers

- ▶ Clean the floor rail and floor guide rollers.
- ▶ Check the rollers for wear. Have the rollers replaced by a specialist if they are greatly worn or damaged.

6.1.4 Hinges and roller holders

- ▶ Oil hinges and roller holders.

6.1.5 Seals

- ▶ Check for damage, deformations and completeness. If necessary, replace.

6.1.6 Locking cylinders

ATTENTION

Damage to the locking cylinders due to unsuitable cleaning products

Locking cylinders may not be cleaned with agents containing oil or be oiled.

- ▶ Only use specialised care products.
- ▶ Do not use oil or graphite.

7 Malfunctions and Troubleshooting

WARNING

Danger of injury due to uncontrolled door movement

If the door malfunctions, uncontrolled door movements may trap persons or objects.

- ▶ In the event of a door failure (sluggish operation or other malfunctions), a specialist must be commissioned immediately for the inspection / repair work.

7.1 Paint treatment

The door sections are provided with a polyester-primer coating. If you want to paint the door a different colour, or if a renovation coating or additional protective coating is necessary:

- Lightly sand the surface with fine sand paper (at least 180 grain size).
- Clean with water, dry and remove any grease.
- Treat further with commercially available synthetic resin paints suitable for outdoor applications.

Avoid dark coatings on double-skinned doors and doors with thermal breaks.

Follow the instructions provided by the paint manufacturer!