## STAIRWAYS USER MANUAL



## CONTENT

General information ..... 3
Safety ..... 3
Check material ..... 3
Configurations ..... 4
Components ..... 5
Support ..... 7
Dimensions ..... 8
Mounting ..... 10
Maintenance ..... 13
SafetyCheck ..... 14

## GENERAL INFORMATION

SafetyRespect Stairways are available in two widths, 70 and 100 cm , and six different lengths. The units can safely be connected to create a longer Stairway.

Each Stairway is supplied with two handrails that adjust to the inclination angle. The foldable steps always remain horizontal, regardless of the inclination.

The Stairways are made of galvanised square steel tubes. The steps are made of non-slip, punched sheet metal and have a high degree of stability. All necessary fasteners are included in the delivery.

The Stairways can be pre-assembled to the required length before transport or assembled on site. To simplify transport and storage, the Stairways can be folded flat.

All Stairways are manufactured in accordance with the European standard EN 12811. Load class 2 and max $1,5 \mathrm{kN} / \mathrm{m}^{2}$. The inclination angle shall be $30^{\circ} \leq 55^{\circ}$.

Ensure Stairways are kept free of ice, snow or other external substances that can affect the function or usage.

## SAFETY

To reduce risks at the worksite, make a documented risk assessment and action plan. The following risks and measures are always present when using the product:


## CHECK MATERIAL

Check all parts for mounting. If in doubt, contact SafetyRespect and replace or discard damaged material.


## CONFIGURATIONS

## STAIRWAY 3-18 STEPS

| NO. | ART. NO. | DESCRIPTION | WEIGHT |
| :--- | :--- | :--- | :--- |
| 1 | 5060003 | Stairway, width $70 \mathrm{~cm}, 3$ steps | 39 kg |
| 1 | 5061003 | Stairway, width $100 \mathrm{~cm}, 3$ steps | 43 kg |
| 2 | 5060006 | Stairway, width $70 \mathrm{~cm}, 6$ steps | 61 kg |
| 2 | 5061006 | Stairway, width $100 \mathrm{~cm}, 6$ steps | 70 kg |
| 3 | 5060009 | Stairway, width $70 \mathrm{~cm}, 9$ steps | 83 kg |
| 3 | 5161009 | Stairway, width $100 \mathrm{~cm}, 9$ steps | 97 kg |
| 4 | 5160012 | Stairway, width $70 \mathrm{~cm}, 12$ steps | 110 kg |
| 4 | 5061012 | Stairway, width $100 \mathrm{~cm}, 12$ steps | 127 kg |
| 5 | 5160015 | Stairway, width $70 \mathrm{~cm}, 15$ steps | 147 kg |
| 5 | 5161015 | Stairway, width $100 \mathrm{~cm}, 15$ steps | 170 kg |
| 6 | 5160018 | Stairway, width $70 \mathrm{~cm}, 18$ steps | 174 kg |
| 6 | 5161018 | Stairway, widht $100 \mathrm{~cm}, 18$ steps | 200 kg |



## COMPONENTS

## STAIRWAY 3-18 STEPS

| NO. | ART. NO. | DESCRIPTION | QTY |
| :---: | :---: | :---: | :---: |
| 1 | 5161010 | Step 225x700 | 3-18 pcs |
| 1 | 5161011 | Step 305x700 | 3-18 pcs |
| 1 | 5161012 | Step 225x1000 | 3-18 pcs |
| 1 | 5161013 | Step 305x1000 | 3-18 pcs |
| 2 | 5161001 | Slab Fix 249x6 | 2 pcs |
| 3 | 5161002 | Crane Hook 50 | 2 pcs |
| 4 | 5161003 | Lock 240x74 | 2 pcs |
| 5 | 5061004 | Post Holder 240x80 | 4-8 pcs |
| 6 | 5160036 | Handrail, 3 steps | 2 pcs |
| 6 | 5161066 | Handrail, 6 steps | 2 pcs |
| 6 | 5161096 | Handrail, 9 steps | 2 pcs |
| 6 | 5161126 | Handrail, 12 steps | 2 pcs |
| 6 | 5161156 | Handrail, 15 steps | 2 pcs |
| 6 | 5161186 | Handrail, 18 steps | 2 pcs |
| 7 | 5161031 | Side Beams for 3-Step Stairway 3 steps (set=4 pcs) | 4 pcs |
| 7 | 5161061 | Side Beams for 6-Step Stairway (set=4 pcs) | 4 pcs |
| 7 | 5161091 | Side Beams for 9-Step Stairway (set=4 pcs) | 4 pcs |
| 7 | 5161121 | Side Beams for 12-Step Stairway (set=4 pcs) | 4 pcs |
| 7 | 5161151 | Side Beams for 15-Step Stairway (set=4 pcs) | 4 pcs |
| 7 | 5161181 | Side Beams for 18-Step Stairway (set=4 pcs) | 4 pcs |



## ADDITIONAL COMPONENTS

| NO. | ART. NO. | DESCRIPTION | WEIGHT |
| :--- | :--- | :--- | :--- |
| 1 | 5061001 | Stairway Support 70 (for configuartion 15-18 steps) |  |
| 1 | 5061005 | Stairway Support 100 (for configuration 15-18 steps) |  |
| 2 | 50610019 | Crocodile 290 |  |
| 3 | 5066001 | Maxi support middle piece (for configuration 21-36 steps) | $13,5 \mathrm{~kg}$ |
| 4 | 5066002 | Maxi support end piece (for configuration 21-36 steps) | $6,3 \mathrm{~kg}$ |
| 5 | 5066007 | Maxi support connector (for configuration 21-36 steps) | $1,1 \mathrm{~kg}$ |
| 6 | 5061103 | Scaffold Fix BT |  |



## SUPPORT

## CONNECTION OF TWO STAIRWAYS

Support is needed for Stairways 15-36 steps, see table 1 below. Additional components are needed for Maxi support to Stairway 24-36 steps, see table 2 below.

Table 1: Additional support for connections of Stairway.

| NO. OF STEPS | 3 STEPS | 6 STEPS | 9 STEPS | 12 STEPS | 15 STEPS | 18 STEPS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 STEPS |  |  |  | $1+$ | 1 | 1 |
| 6 STEPS |  |  | $1+$ | 1 | 1 |  |
| 9 STEPS |  | $1$ | $1+$ | 1 |  |  |
| 12 STEPS | $1$ | $1$ | $1+$ |  |  |  |
| 15 STEPS | $1+$ | $1$ |  |  |  |  |
| 18 STEPS | $1+$ |  |  |  |  |  |

Stairway support

Maxi support

Table 2: Additional components for maxi support.

| NO. OF STEPS |  |  |  |
| :--- | :--- | :--- | :--- |
| 24 STEPS | 2 | 6 | 6 |
| 27 STEPS | 2 | 7 | 6 |
| 30 STEPS | 2 | 8 | 6 |
| 33 STEPS | 2 | 9 | 8 |
| 36 STEPS | 2 | 10 | 8 |



Stairway support end piece


Stairway support middle piece


## DIMENSIONS

Stairway 3-steps


## Stairway 9-steps



## Stairway 15-steps


[mm]

Stairway 6-steps


Stairway 12-steps


Stairway 18-steps

[mm]

If two stairways are connected the shorter one needs to be mounted at the top.

Table 1: Dimensions for Stairway 21-36 steps.

| STEPS | HEIGHT (Y) | DISTANCE (X) |
| :--- | :--- | :--- |
| 21 | $2900-4700 \mathrm{~mm}$ | $3300-5000 \mathrm{~mm}$ |
| 24 | $3400-5500 \mathrm{~mm}$ | $3900-5800 \mathrm{~mm}$ |
| 27 | $3750-6150 \mathrm{~mm}$ | $4300-6500 \mathrm{~mm}$ |
| 30 | $4200-6750 \mathrm{~mm}$ | $4800-7100 \mathrm{~mm}$ |
| 33 | $4600-7400 \mathrm{~mm}$ | $5300-7900 \mathrm{~mm}$ |
| 36 | $5000-8100 \mathrm{~mm}$ | $5700-8600 \mathrm{~mm}$ |

## INCLINATION

According to EN 12811-1 the Stairways incline must be kept in $30^{\circ} \leq 55^{\circ}$. Calculate the horizontal distance from the overall height and the angle of inclination.

## Diagram 1: Inclination diagram.

Height
Degree


Example:
12-steps Stairway
Degree: 42,5
Height: $2,35 \mathrm{~m}$
Distance: 2,55 m

Distance

MOUNTING

## MOUNTING

## STAIRWAY




## MAXI SUPPORT



Stairway, width 70 cm


Stairway width 100 cm

B


## D

Attach $x$-amount of connectors to Stairway, see table 2 (page 7).


## MAINTENANCE

## REPAIR AND INSPECTION

The products shall always be inspected by a person with the appropriate knowledge before being put back into use again. All repairs need to be performed by, or under the supervision, of a competent person (see below).

The product shall be visually inspected regularly. The interval may vary depending on the specific installation and should be taken into consideration in the risk analysis.

Check that:

- The parts match as they should.
- No deformations can be found.
- No cracks can be found.
- No alterations have been made to the system.
- No rust can be found.
- No other external influences can be found.

Clean the parts when required.


## STORAGE, CARE AND INSPECTION

Store in a dry place and keep away from heat sources, corrosive materials, acids, solvent oils etc. It is the installer's responsibility to carry out an initial visual inspection of the product and attachment system. All damage must be reported and corrected before any work commences.

## COMPETENT PERSON

A competent person is someone who has been given the appropriate training and been authorized by SafetyRespect to perform inspections and repairs.

## SAFETYCHECK STAIRWAYS

Safetycheck is also available on mobile devices online: safetycheck.se

| WORKSITE |  | DATE |  |
| :--- | :--- | :--- | :--- |
| Location |  | Order no. |  |
| Manager |  | Check no. |  |

## SITE/PART OF BUILDING

| 1 |  | 3 |  |
| :--- | :--- | :--- | :--- |
| 2 |  | 4 |  |


| CHECK POINTS | YES | NO | REFERENCE | REMARKS |
| :--- | :--- | :--- | :--- | :--- |
| Is the installation manual available during installation? |  |  | Stairway user <br> manual |  |
| Are the components free of damage? |  |  | Page 2 |  |
| Have the handrails been properly inserted and <br> attached to the Stairway? |  |  | Page 10 |  |
| Have the steps been made horisontal? |  |  | Page 11 |  |
| Are all brackets properly anchored? |  |  | Page 11 |  |
| Are all screws, pipe joints and couplings properly <br> tightened? |  |  | Page 10-13 |  |
| Has the need for Maxi Support been assesed in <br> accordance with these instructions? |  |  | Page 12 |  |
| Is the inclination of the Stairway within its limitations? |  |  | Page 9 |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## CHECKING THE ABOVE LIST CONDUCTED BY

| Date | Signature |  |
| :--- | :--- | :--- | :--- |

