Rintal was founded in 1974 in Forlì and for more than 40 years has been a world leader in stairs thanks to the development of innovative Solutions for:

- **PRODUCT DESIGN**
- **MADE IN ITALY**
- **QUALITY OF MATERIALS**
- **QUALITY OF THE FINISHES**
- **PRE AND AFTER SALES ASSISTANCE**
- **BY TECHNICAL CONSULTANTS**
- **INSTALLATION SERVICE**

With production facilities of over 10,000 square meters Rintal creates interior and exteriors stairs, mezzanines, railings and coverings for concrete stairs.
The Rintal Group operates with two brands, each one designed to respond to specific needs of style, functionality and budget:

- custom stairs designed to respond to the different needs of Architects, Designers, Builders, Design-build Contractors and Private Clients
- loft ladders which combine functionality and security in products that are simple and easy to use
RINTAL SMART DESIGN

Is the new contemporary collection that brings together beauty, versatility, innovation, modularity and technology in a unique combination that surprises and delights.

Rintal Smart Design is synonymous with:

- **Easy design**
  a proprietary software tool allows a very easy configuration of stairs project in real time.

- **Custom Solutions**
  it is possible to customize stair projects by choosing among the many accessories available.

- **Short Delivery time**
  production standardization reduces delivery time.

- **Easy transport**
  all stair parts such as structures, steps and railings fit into a single box.

- **Adaptability to all spaces**
  the system for adjusting the steps in height (rise) and the depth (going) allows to adapt the staircase to the space available.
  The right compromise between ease of climb and dimensions in space is achieved.

- **Easy assembling**
  Do iy yourselfer can install the stair simply by following installation and video instructions.
# PRODUCT RANGE

## INTERIORS STAIRCASES

<table>
<thead>
<tr>
<th>Open Riser Staircases</th>
<th>Space Saving Staircases</th>
<th>Spiral Staircases</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPOSITY</td>
<td>MINI</td>
<td>HOOP</td>
</tr>
<tr>
<td>KNOCK</td>
<td>SMALL</td>
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</tr>
<tr>
<td>CANTILEVER</td>
<td>p. 12</td>
<td>p. 40</td>
</tr>
<tr>
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<td>p. 22</td>
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<tr>
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<td>p. 30</td>
<td>p. 60</td>
</tr>
<tr>
<td></td>
<td>p. 78</td>
<td>p. 66</td>
</tr>
</tbody>
</table>

## OUTDOOR STAIRCASES

<table>
<thead>
<tr>
<th>Spiral Staircases</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTERIOR ZINK</td>
</tr>
</tbody>
</table>
HOW TO SELECT THE PERFECT STAIRCASE

01. COLLECT ALL DATA

HEIGHT FROM FLOOR TO FLOOR
Determine the distance from the finished floor of the lower floor to the finished floor of the upper floor and the thickness of the ceiling slab.

SIZE OF THE STAIRWELL
Measure the dimensions of the space where the stairs will be positioned always considering the architectural elements such as walls, doors, windows, radiators etc., which may obstruct the position of the stairs.
SIZE OF THE OPENING ON THE UPPER FLOOR

If the opening already exists: measure the dimensions of the opening of the upper floor. For the round opening, measure the diameter. For all other types, measure all sides.

If the opening has not yet been made: identify the type of stair on the basis of the dimensions of the stairwell and then determine the position and the size of the opening.

02. CHOOSE THE TYPE OF STAIRS

- Open riser
- Space saving

- Spiral round plan (No Exterior Zink)
- Spiral square
- Spiral round

Open riser  Space saving  Spiral round  Spiral square
GLOSSARY

TYPE OF STAIRS

Open riser staircase: stair characterized by a series of straight winder or platform, which allow the staircase to change direction with a 90° turn. The support is composed of a structure under the steps.

Space saving staircase: open staircase characterized by small steps, specially shaped to allow a steep incline of the staircase. The support is composed of a structure under the steps.

Spiral Staircase: staircase characterized by steps and by a final landing, fixed to a central column.

Configuration: shape of the finished staircase. Open staircases can have linear configuration, with one turn or with two turns. Spiral staircases have two types of configurations: round or square.

MAIN COMPONENTS OF THE STAIRCASE

Structure: modular elements in steel joined together to support the steps.

Steps: wooden elements and the structure are the building blocks of the staircase; the railing is fixed to the steps. In the open staircases, the steps are linear, triangular or square in case the direction of the stairs changes by 90°. In the space-saving staircases they are staggered and shaped in order to reduce the landing space of the stair. In the spiral staircases they are arranged circularly around the central column.

Landing: in space saving staircases and in some models of open staircases is used to change direction (in correspondence of the turn). In the spiral staircases this corresponds to the last step positioned at the landing of the stair, it can be adapted during installation at any ceiling slab opening (triangular, trapezoidal or circular).

Railing: inclined parapet positioned to the side of the steps to prevent any possible fall while ascending or descending the staircase.

Balustrade: horizontal parapet positioned on the upper floor to prevent possible fall on the lower level.
MAIN DIMENSIONS OF THE STAIRCASE

**Width (open rise and space saving staircase):** overall width of the stair, i.e. the width of the step including the railing.

**Diameter (spiral staircase):** diameter of the stair including the railing.

**Rise:** vertical distance between the surface of two successive steps. This distance is adjustable depending on the default values that vary from stair to stair and that have been established on the basis of the common stair code. By changing the value of the rise, the total height of the stairs varies: the higher the number of steps, the smaller the value of the rise. In the open and space-saving stairs the number of rises as equal to the number of steps plus one, the last step to the upper floor landing is installed a step below the slab (the distance between this step and the flooring of the upper floor is equal to the rise). In the spiral staircases the number of rises is equal to the number of steps: the top landing is installed at the same level as the flooring of the upper floor.

**Going:** depth of the step from the front edge of the step up to the projection of the front edge of the next step. In the open stairs the tread is adjustable according to the default values on the basis of the model. The adjustment occurs by moving the step backward or forward in the installation phase.

STAIRCASE AREA

**Stairwell:** vertical and horizontal space provided and available for the position of the staircase.

**Ceiling slab opening:** opening of the ceiling slab for the installation of the staircase. It can be square, rectangular, L shape, circular, or may be a direct landing to the ceiling slab.

**Height between the floors:** vertical distance that goes from the finished flooring of the lower level to the finished flooring of the upper level.
OPEN RISE STAIRCASES
The open rise staircase which combines design and versatility in an exclusive, patented solution, bringing together the aesthetic appeal of custom stairs and the benefits of modular solutions.

INTERNATIONAL PATENTED
Previous pages
Composity 13 steps, straight configuration. Steps and handrails Walnut 25, structure and railing (model Minimal) white.

Above
Detail of the mounting of the railing Minimal on the step. Steps and handrails Walnut 25, structure and railing (model Minimal) white.

Left page
Detail of the landing. Steps and handrail Natural 12, anthracite grey structure and railings (Minimal model).

Left
Close-up of steps. Steps and handrail Walnut 25, white structure and railings (Minimal model).
Above
Close-up of how the vertical rails are fixed to the step. Steps and handrail Sand 27, anthracite grey structure and railing.

Below
Close-up of the structure and anchoring to the step. Steps and handrail Natural 12, white structure and railings.

Previous pages
Composity 12 steps, configuration with one turn (landing). Steps and handrails White 84, structure and railing (model with vertical columns) white.

Left
Composity 12 steps, configuration with 1 turn. Steps and handrails Walnut 25, structure and railing (model with vertical columns) white. Close-up of turn created with 3 space-saving steps.

INTERNATIONAL PATENTED
MATERIALS AND COLORS

STEPS
- Solid beech wood, 40 mm thickness
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL
- In solid beech wood in same colour as steps

STRUCTURE
- Steel modular elements
- Powder coated with matt scratch proof finish

RAILING (two models)
- Steel vertical columns painted in the same colour as the structure (distance between the columns less than 10 cm)
- Painted steel uprights in same colour as structure and satin finish horizontal stainless steel cables

Wood colour (steps and handrail)
White 84  Natural 12  Walnut 25  Sand 27  Cement 89  Dove 87  Wengé 23  Lacquered White 94  Lacquered Black 95

Steel colour (structure and railing)
White  Anthracite grey

CONFIGURATIONS

STRAIGHT
With winder steps

WITH 1 TURN
With winder steps
With landing

WITH 2 TURNS
With winder steps
With landings

PACKAGE

1 box = 1 complete staircase with 12 steps
Structure, steps, railing (internal side), handrail

Choose between:
- Straight staircase: 12 straight steps
- Staircase with 1 turn: 9 straight steps + 3 winder steps (2 versions) 11 straight steps + 1 landing (2 versions)
- Staircase with 2 turns: 6 straight steps + 6 winder steps (2 versions) 10 straight steps + 2 landings (2 versions)

The measures of the box may vary
The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:
- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

### MEASUREMENTS  
valid for all the configurations

<table>
<thead>
<tr>
<th>NUMBER STEPS</th>
<th>HEIGHT BETWEEN FLOORS (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 steps</td>
<td>Min. 175 cm Max. 220 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 245 cm)</td>
</tr>
<tr>
<td>10 steps</td>
<td>Min. 193 cm Max. 242 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 269 cm)</td>
</tr>
<tr>
<td>11 steps</td>
<td>Min. 210 cm Max. 264 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 294 cm)</td>
</tr>
<tr>
<td>12 steps</td>
<td>Min. 228 cm Max. 286 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 318 cm)</td>
</tr>
<tr>
<td>13 steps</td>
<td>Min. 245 cm Max. 308 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 343 cm)</td>
</tr>
<tr>
<td>14 steps</td>
<td>Min. 263 cm Max. 330 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 367 cm)</td>
</tr>
<tr>
<td>15 steps</td>
<td>Min. 280 cm Max. 352 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 392 cm)</td>
</tr>
<tr>
<td>16 steps</td>
<td>Min. 298 cm Max. 374 cm</td>
</tr>
<tr>
<td></td>
<td>(Max. 416 cm)</td>
</tr>
</tbody>
</table>

**ADJUSTABLE RISE**  
Height between steps  
Min. 17,5 cm  
Max. 22 cm  
(Max. 24,5 cm with accessory 'Extra spacers')

During installation it is possible to adjust the rise by modifying the number of spacers.

**ADJUSTABLE GOING**  
Usable depth of the step  
23 or 25 cm

**STAIRCASE WIDTH**  
75 - 85 - 95 cm

**ACCESSORIES**
- Extra step (with structure and railing).
- Railing for 3 steps (External side).
- Balustrade for upper floor (100 cm).
- Extra spacers (to reach the max rise of 24,5 cm).
- Safety bars under steps (wood listel) available for linear steps and platforms - no for winder steps.

**DIRECTION OF ASCENT**
- Clockwise
- Counter clockwise

**TURN POSITION**
- Bottom
- Middle
- Top

**H** = Finished floor to finished floor height.
- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 5 cm.
The modular open rise staircase, designed by Giugiaro Architecture that combines a solid steel structure to the possibility to install an integrated LED lighting system.
Previous pages
Knock 13 steps, configuration with 1 turn. Steps and handrail White 84, white structure and railing. Integrated lighting in the spacers.

Left
Close-up of structure and floor support. Steps and handrail White 84, white structure and railing.

Right page
Knock 12 steps, configuration with 2 turns. Steps and handrail Sand 27, white structure and railing.

Below
Detail of the structure. Steps and handrail White 84, white structure and railing.
Left page
Knock 12 steps, configuration with 1 turn. Steps and handrail Walnut 25, anthracite grey structure and railing.

Below
Detail of the structure and of the spacers with integrated lighting. Steps and handrail Walnut 25, white structure and railing.
MATERIALS AND COLORS

STAIRCASES
- Solid beech wood, 40 mm thickness
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL
- In solid beech wood in same colour as the steps

WOOD COLOUR (STEPS AND HANDRAIL)
- White 84
- Natural 12
- Walnut 25
- Sand 27
- Cement 89
- Dove 87
- Wengé 23
- Lacquered White 94
- Lacquered Black 95

STEEL COLOUR (STRUCTURE AND RAILING)
- White
- Silver grey
- Anthracite grey

STRUCTURE
- Steel modular elements
- Powder coated with matt scratch proof finish

RAILING (TWO MODELS)
- Steel vertical columns painted in the same colour as the structure (distance between the columns less than 10 cm)
- Painted steel uprights in same colour as structure and satin finish horizontal stainless steel cables

CONFIGURATIONS

STRAIGHT
- 12 straight steps

WITH 1 TURN
- 9 straight steps + 3 winder steps

WITH 2 TURNS
- 6 straight steps + 6 winder steps

PACKAGE

1 box = 1 complete staircase with 12 steps
Structure, Steps, Railing (Internal side), Handrail

Choose between:
- Straight staircase: 12 straight steps
- Staircase with 1 turn: 9 straight steps + 3 winder steps
- Staircase with 2 turns: 6 straight steps + 6 winder steps

DIRECTION OF ASCENT
- Clockwise
- Counter clockwise

TURN POSITION
- Bottom
- Middle
- Top

The measures of the box may vary

114 cm x 94 cm x 60 cm
The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

### MEASUREMENTS valid for all the configurations

**ADJUSTABLE RISE**

- **Height between steps**
  - Min. 18,5 cm
  - Max. 22,5 cm
  - (Max. 24,5 cm with accessory "Extra Spacers")
  - First rise fixed at 19 cm

**ADJUSTABLE GOING**

- **Usable depth of the steps**
  - Staircase width 65 and 75 cm
  - Min. 20 cm
  - Max 22.5 cm
  - Staircase width 85 cm and 95 cm
  - Min. 23 cm
  - Max 25 cm

### NUMBER STEPS | HEIGHT BETWEEN FLOORS (H) | Measurement
---|---|---
10 steps | 1 box | Min. 204 cm Max. 244 cm (Max. 264 cm)
11 steps | 1 box | Min. 225 cm Max. 266 cm (Max. 288 cm)
12 steps | 1 box | Min. 241 cm Max. 289 cm (Max. 313 cm)
13 steps | 1 box + 1 extra step | Min. 260 cm Max. 311 cm (Max. 337 cm)
14 steps | 1 box + 2 extra steps | Min. 278 cm Max. 334 cm (Max. 362 cm)
15 steps | 1 box + 3 extra steps | Min. 297 cm Max. 356 cm (Max. 386 cm)
16 steps | 1 box + 4 extra steps | Min. 315 cm Max. 379 cm (Max. 411 cm)

Add more steps to reach greater heights.

- **H** = Finished floor to finished floor height.
- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 5 cm.

### STAIRCASE WIDTH

65 - 75 - 85 - 95 cm

### ACCESSORIES

- Extra step (with structure and railing).
- Railing for 3 steps (External side).
- Balustrade for upper floor (100 cm).
- Lateral support.
- Safety bars under step.
- Extra spacers (to reach a max rise of 24,5 cm).
- LED lighting between the steps.
CANTILEVER

Suspended steps made in solid wood for contemporary and minimal environments, designed to confer lightness to any architecture.
Previous pages
13 steps Cantilever configuration with 1 landing. Steps White 84, white structure.

Left page
14 steps Cantilevers, rectilinear configuration. Steps Walnut 25, white structure.

Above
Detail step and wall fixing. Steps Walnut 25, white structure.

Subsequent Pages
14 steps Cantilevers, rectilinear configuration. Steps White 84, white structure.
MATERIALS AND COLORS

STEPS
- In solid beech wood
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Cantilever with recesses arranged to receive the steel structure fixed to the wall
- Non-toxic water-based coating: 3 layers of paint

STRUCTURE
- Modular steel elements to fix to the wall
- Powder coated with matt scratch proof finish

RAILING
- For safety reasons it is appropriate to install on the steps a railing to be bought separately

Wood colour (steps)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>84</td>
</tr>
<tr>
<td>Natural</td>
<td>12</td>
</tr>
<tr>
<td>Walnut</td>
<td>25</td>
</tr>
<tr>
<td>Sand</td>
<td>27</td>
</tr>
<tr>
<td>Cement</td>
<td>89</td>
</tr>
<tr>
<td>Dove</td>
<td>87</td>
</tr>
<tr>
<td>Wenge</td>
<td>23</td>
</tr>
<tr>
<td>Lacquered White</td>
<td>94</td>
</tr>
<tr>
<td>Lacquered Black</td>
<td>95</td>
</tr>
</tbody>
</table>

Steel colour (structure)
- White

CONFIGURATIONS

STRAIGHT

WITH 1 TURN

PACKAGE

1 box = 1 step Structure, steps and fixings

At one’s choice between:

- Linear Step
- Landing

The measures of the box may vary
MEASUREMENTS valid for all the configurations

- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 5 cm.

ATTENTION

Consult a structural engineer to make sure the walls where the steps will be attached are load-bearing.
SPACE SAVING STAIRCASES
MINI

The space-saving staircase with steps that have been shaped or staggered to optimize the space and ascent whilst occupying the least possible space. The steps are made of solid beech wood and come with a variety of color choices.
Left page
Close-up of step shape with alternating tread. Steps and handrail Walnut 25, silver grey structure and railing.

Previous page
Mini 13 steps, configuration with one turn. Steps and handrail Natural 12, white structure and railings.

Below
Close-up of space-saving landing. Steps and handrail Natural 12, white structure and railings.
MATERIALS AND COLORS

**STEPS**
- Solid beech wood, 40 mm thickness
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Non-toxic water-based coating: 3 layers of paint

**HANDRAIL**
- In solid beech wood in same colour as steps

**STRUCTURE**
- Steel modular elements
- Powder coated with scratch proof finish

**RAILING**
- Steel vertical columns painted in the same colour as the structure (distance between the columns less than 10 cm)

Wood colour (steps and handrail)

<table>
<thead>
<tr>
<th>White 84</th>
<th>Natural 12</th>
<th>Walnut 25</th>
<th>Sand 27</th>
<th>Cement 89</th>
<th>Dove 87</th>
<th>Wenge 23</th>
<th>Lacquered White 94</th>
<th>Lacquered Black 95</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="White 84" /></td>
<td><img src="image2" alt="Natural 12" /></td>
<td><img src="image3" alt="Walnut 25" /></td>
<td><img src="image4" alt="Sand 27" /></td>
<td><img src="image5" alt="Cement 89" /></td>
<td><img src="image6" alt="Dove 87" /></td>
<td><img src="image7" alt="Wenge 23" /></td>
<td><img src="image8" alt="Lacquered White 94" /></td>
<td><img src="image9" alt="Lacquered Black 95" /></td>
</tr>
</tbody>
</table>

Steel colour (structure and railing)

<table>
<thead>
<tr>
<th>White</th>
<th>Silver grey</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image10" alt="White" /></td>
<td><img src="image11" alt="Silver grey" /></td>
</tr>
</tbody>
</table>

**CONFIGURATIONS**

- **STRAIGHT**
- **WITH 1 TURN**
- **WITH 2 TURNS**

STAGGERED AND SHAPED STEPS: reduce the space occupied by the staircase without sacrificing comfort.

**PACKAGE**

1 box = 1 complete staircase with 11 steps
Structure, steps, railing (internal side), handrail

Choose between:
- **Straight staircase**: 11 straight steps
- **Staircase with 1 turn**: 10 straight steps + 1 landing
- **Staircase with 2 turns**: 9 straight steps + 2 landings

The measures of the box may vary.
MEASUREMENTS valid for all the configurations

The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

<table>
<thead>
<tr>
<th>NUMBER OF STEPS</th>
<th>HEIGHT BETWEEN FLOORS (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 steps</td>
<td>Min. 201 cm Max. 237 cm</td>
</tr>
<tr>
<td>10 steps</td>
<td>Min. 221 cm Max. 261 cm</td>
</tr>
<tr>
<td>11 steps</td>
<td>Min. 241 cm Max. 285 cm</td>
</tr>
<tr>
<td>12 steps</td>
<td>Min. 261 cm Max. 309 cm</td>
</tr>
<tr>
<td>13 steps</td>
<td>Min. 281 cm Max. 333 cm</td>
</tr>
<tr>
<td>14 steps</td>
<td>Min. 301 cm Max. 357 cm</td>
</tr>
</tbody>
</table>

- **Add more steps to reach greater heights.**

  - H = Finished floor to finished floor height.
  - Top step fixed one rise below finished upper floor.
  - Ceiling opening width: staircase width + 5 cm.

**ADJUSTABLE RISE**

Height between steps

- Min. 20 cm
- Max. 24 cm

First rise fixed at 21 cm

During installation it is possible to adjust the rise thanks to vertical holes present in the structure

**MAX GOING**

Usable depth of the steps

24 cm

**SPACE OCCUPIED AT LOWER FLOOR**

With 11 steps

148 cm

**STAIRCASE WIDTH**

61 cm

**DIRECTION OF ASCENT**

- Clockwise
- Counter clockwise

**TURN POSITION**

- Bottom
- Middle
- Top

**ACCESSORIES**

- Extra step (with structure and railing).
- Railing for 11 steps (External side).
- Balustrade for upper floor (100 cm).
- Safety bars under step.
SMALL

The Small staircase designed to optimise the available space with a practical and safe solution. The shape of the steps allows the space occupied to be decreased without loosing the comfort of going up the stair.
Previous pages
Small 11 steps, straight configuration. Steps, structure, railing natural finish and white handrail.

Left
Close-up of step shape with alternating tread. Steps, structure, railing natural finish and white handrail.

Right page
Small 11 steps, straight configuration. Natural finish steps, structure, railing and silver grey handrail.
**MATERIALS AND COLORS**

**STEPS**
- In birch plywood, thickness 29 mm
- Excellent stability and high mechanical strength
- Non-toxic water-based coating: 3 layers of paint

**HANDRAIL**
- In plastic material in the same colour as the structure

**STRUCTURE**
- Steel modular elements
- Powder coated with matt scratch proof finish

**RAILING**
- Painted steel vertical rails matching the colour of the structure

**Wood colour (steps)**
- Natural

**Steel colour (structure and railing)**
- White
- Silver grey

**CONFIGURATIONS**

**STRAIGHT**
- 120 cm
- 80 cm
- 30 cm

**WITH 1 TURN**
- 10 straight steps + 1 landing

**WITH 2 TURNS**
- 9 straight steps + 2 landings

STAGGERED AND SHAPED STEPS: reduce the space occupied by the staircase without sacrificing comfort.

**PACKAGE**

1 box = 1 complete staircase with 11 steps
Structure, steps, railing (internal side), handrail

Choose between:
- **Straight staircase**: 11 straight steps
- **Staircase with 1 turn**: 10 straight steps + 1 landing
- **Staircase with 2 turns**: 9 straight steps + 2 landings

The measures of the box may vary
MEASUREMENTS valid for all the configurations

The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

<table>
<thead>
<tr>
<th>NUMBER STEPS</th>
<th>HEIGHT BETWEEN FLOORS (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 steps</td>
<td>Min. 200 cm Max. 236 cm</td>
</tr>
<tr>
<td>10 steps</td>
<td>Min. 220 cm Max. 260 cm</td>
</tr>
<tr>
<td>11 steps</td>
<td>Min. 240 cm Max. 284 cm</td>
</tr>
<tr>
<td>12 steps</td>
<td>Min. 260 cm Max. 308 cm</td>
</tr>
<tr>
<td>13 steps</td>
<td>Min. 280 cm Max. 332 cm</td>
</tr>
<tr>
<td>14 steps</td>
<td>Min. 300 cm Max. 356 cm</td>
</tr>
</tbody>
</table>

- **ADJUSTABLE RISE**
  - Min. 20 cm
  - Max. 24 cm
  - First rise fixed at 20 cm

- **MAX GOING**
  - Usable depth of the steps 24 cm

- **SPACE OCCUPIED AT LOWER FLOOR**
  - With 11 steps 148 cm

- **STAIRCASE WIDTH**
  - 60 cm

**During installation** it is possible to adjust the rise thanks to vertical holes present in the structure.

Add more steps to reach greater heights.

- **H** = Finished floor to finished floor height.
- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 5 cm.

**ACCESSORIES**

- Extra step (with structure and railing).
- Railing for 11 steps (External side).
- Balustrade for upper floor (100 cm).
- Safety bars under step.

**DIRECTION OF ASCENT**

- Clockwise
- Counter clockwise

**TURN POSITION**

- Bottom
- Middle
- Top
SPIRAL STAIRCASES
The simple, functional spiral staircase for interiors with steel structure and steps in Natural beech wood. The shape of the steps has been designed to reduce the overall space occupied and optimise the available space.
Left page
Hoop 13 steps. Natural finish steps, structure, railing and silver grey handrail.

Previous pages
Hoop 13 steps. Steps, structure, railing natural finish and white handrail.

Above
Close-up of first step and curve angle of the steps. Steps, structure, railing natural finish and white handrail.
MATERIALS AND COLORS

STEPS
- In birch plywood, thickness 29 mm
- Excellent stability and high mechanical strength
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL
- In plastic material in the same colour as the structure

STRUCTURE
- Steel modular elements
- Powder coated with matt scratch proof finish

RAILING
- Steel vertical columns painted in the same colour as the structure (distance between the columns less than 10 cm)

HANDRAIL

Wood colour (steps)
Natural

Steel colour (structure and railing)
White
Silver grey

CONFIGURATIONS

SQUARE OPENING
(stair landing included)

ROUND OPENING
(stair landing included)

DIRECT LANDING AT THE FLOOR SLAB
(stair without landing)

UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation.
4 STEPS EVERY 90°: this reduces the space occupied without losing comfort.

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)
Structure, steps, railing, handrail

or

1 complete staircase with 12 steps (without landing)
Structure, steps, railing, handrail

The measures of the box may vary
MEASUREMENTS valid for all the configurations

The SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

### ADJUSTABLE RISE

**Height between steps**

- Min. 20.5 cm
- Max. 24 cm

During installation it is possible to adjust the rise by changing the number of spacers.

### NUMBER STEPS | HEIGHT BETWEEN FLOORS (H)
---|---|---|---
10 steps | 1 box | Min. 205 cm | Max. 240 cm
11 steps | 1 box | Min. 226 cm | Max. 264 cm
12 steps | 1 box | Min. 246 cm | Max. 288 cm
13 steps | 1 box | Min. 267 cm | Max. 312 cm
14 steps | 1 box + 1 extra step | Min. 287 cm | Max. 336 cm
15 steps | 1 box + 2 extra steps | Min. 308 cm | Max. 360 cm
16 steps | 1 box + 3 extra steps | Min. 328 cm | Max. 384 cm

Add more steps to reach greater heights.

- **H =** Finished floor to finished floor height.
- Staircase landing included: top universal landing fixed at the same level as the finished upper floor.
- Staircase without landing: top step fixed one rise below finished upper floor.
- Ceiling opening diameter: staircase diameter + 5 cm.

### DIRECTION OF ASCENT

- Clockwise
- Counter clockwise

### ACCESSORIES

- Extra step (with structure and railing).
- Balustrade for upper floor (100 cm).
- Extra section of internal post (needed for heights over 319 cm).
The modular spiral staircase which combines the warmth of solid wood with the strength of steel, offering a variety of combinations of diameters and finishes.
Above
Phola 13 steps. Steps and handrail Walnut 25, structure and railing anthracite grey.

Right page
Phola 13 steps. Steps Sand 27, handrail in white plastic, structure and railing white. Close-up of universal top landing.

Previous pages
Phola 13 steps. Steps and handrail Sand 27, structure and railing white.

Left
Close-up of the first step and anchoring to the railing. Steps and handrails Sand 27, structure and railing anthracite grey.
MATERIALS AND COLORS

STEPS
- Solid beech wood, 40 mm thickness
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL
- In plastic material matching the colour of the structure

Wood colour (steps)
- White 84
- Natural 12
- Walnut 25
- Sand 27
- Cement 89
- Dove 87
- Wengé 23
- Lacquered White 94
- Lacquered Black 95

Steel colour (structure and railing)
- White
- Silver grey
- Anthracite grey

STRUCTURE
- Steel modular elements
- Powder coated with matt scratch proof finish

RAILING
- Painted steel vertical rails matching the colour of the structure

CONFIGURATIONS

SQUARE OPENING

UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation

ROUND OPENING

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)
Structure, steps, railing, handrail

The measures of the box may vary
MEASUREMENTS valid for all the configurations

The SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

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</tr>
</tbody>
</table>

During installation it is possible to adjust the rise by changing the number of spacers.

H = Finished floor to finished floor height.
Top universal landing fixed at the same level as the finished upper floor.
Ceiling opening diameter: staircase diameter + 5 cm.

DIRECTION OF ASCENT
Clockwise  Counterclockwise

ACCESSORIES
Extra step (with structure and railing).
Wooden handrail (not available for the diam. 105 cm).
Balustrade for upper floor (100 cm).
Extra section of internal post (needed for heights over 319 cm).
TEKLA

The square base spiral staircase is perfect for installing between two or more walls. The shape of the steps has been specifically developed to make the most of all the space with a practical and functional solution.
Previous pages
Tekla 13 steps. Steps and handrail White 84, white structure and railing.

Below
Close-up of steps and anchoring to the railing.
Steps and handrail White 84, white structure and railing.

Right page
Phola 13 steps. Steps Walnut 25, handrail in black plastic, structure and railing anthracite grey.
Close-up of universal top landing.
MATERIALS AND COLORS

STEPS
- Solid beech wood, 40 mm thickness
- No knots or splits, maximum stability and mechanical strength thanks to Finger Joint technology
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL
- In plastic material matching the colour of the structure

Wood colour (steps)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>84</td>
</tr>
<tr>
<td>Natural</td>
<td>12</td>
</tr>
<tr>
<td>Walnut</td>
<td>25</td>
</tr>
<tr>
<td>Sand</td>
<td>27</td>
</tr>
<tr>
<td>Cement</td>
<td>89</td>
</tr>
<tr>
<td>Dove</td>
<td>87</td>
</tr>
<tr>
<td>Wengé</td>
<td>23</td>
</tr>
<tr>
<td>Lacquered White</td>
<td>94</td>
</tr>
<tr>
<td>Lacquered Black</td>
<td>95</td>
</tr>
</tbody>
</table>

Steel colour (structure and railing)

<table>
<thead>
<tr>
<th>Colour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Silver grey</td>
<td></td>
</tr>
<tr>
<td>Anthracite grey</td>
<td></td>
</tr>
</tbody>
</table>

STRUCTURE
- Steel modular elements
- Powder coated with matt scratch proof finish

RAILING
- Steel vertical columns painted in the same colour as the structure (distance between the columns less than 10 cm)

CONFIGURATIONS

SQUARE OPENING

UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation.
SQUARE BASE SPIRAL STAIRCASE: adapts to corners perfectly.

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)
Structure, steps, railing (two sides), handrail

The measures of the box may vary
MEASUREMENTS valid for all the configurations

The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

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<tr>
<td>15 steps</td>
<td>Min. 308 cm Max. 360 cm</td>
</tr>
<tr>
<td>16 steps</td>
<td>Min. 328 cm Max. 384 cm</td>
</tr>
</tbody>
</table>

- Add more steps to reach greater heights.

**ACCESSORIES**

- **Extra step** (with structure).
- **Railing** (one side).
- **Wooden handrail** (one side).
- **Balustrade for upper floor** (100 cm).
- **Extra section of internal post** (needed for heights over 319 cm).

**DIRECTION OF ASCENT**

- **Clockwise**
- **Counter clockwise**

**STAIRCASE DIAMETER**

- 105 - 120 - 140 - 160 - 180 cm

**ADJUSTABLE RISE**

- Height between steps
- Min. 20,5 cm Max. 24 cm
- During installation it is possible to adjust the rise by changing the number of spacers.

**H = Finished floor to finished floor height.**

- **Top universal landing fixed at the same level as the finished upper floor.**

- **Ceiling opening diameter:** staircase diameter + 5 cm.
GAMIA METAL

The spiral staircase completely in steel available in various diameters to adapt to any requirement.
Above
Close-up of step and anti-slip strip available in red, yellow, blue and green.

Previous pages
Gamia Metal 13 steps. Steps, structure, railing silver grey.
Railing and handrail grey.

Left page
Gamia Metal 13 steps. Steps, structure, railing and handrail white.
MATERIALS AND COLORS

STEPS
- In painted steel
- Maximum stability and mechanical strength
- Matt, scratch-proof, oven-dried epoxy powder coating
- Anti slip thanks to the strips on the steps

HANDRAIL
- In plastic material

STRUCTURE
- Composed of painted steel spacers on which the steps are welded
- Powder coated with matt scratch proof finish

RAILING
- Vertical columns in painted steel (distance between the columns less than 10 cm)

Steel colors (steps, structure and railing)

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>RAL 9010</td>
</tr>
<tr>
<td>Grey</td>
<td>Silver</td>
</tr>
<tr>
<td>Red</td>
<td>RAL 3003</td>
</tr>
<tr>
<td>Blue</td>
<td>RAL 5002</td>
</tr>
<tr>
<td>Green</td>
<td>RAL 6000</td>
</tr>
<tr>
<td>Yellow</td>
<td>RAL 1023</td>
</tr>
</tbody>
</table>

CONFIGURATIONS

SQUARE OPENING

ROUND OPENING

UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation.

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)
Structure , steps, railing, handrail

The measures of the box may vary
ADJUSTABLE RISE

Height between steps

Min. 21 cm
Max. 23 cm

During installation it is possible to adjust the rise by changing the height of the spacers.

MEASUREMENTS valid for all the configurations

The SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS (RISE) allows you to:

• Obtain different heights between floors with the same number of steps.
• Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

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</tr>
<tr>
<td>Min. 252 cm</td>
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<tr>
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<tr>
<td>16 steps</td>
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</tr>
<tr>
<td>Min. 336 cm</td>
<td>Max. 368 cm</td>
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</tbody>
</table>

Add more steps to reach greater heights.

• H = Finished floor to finished floor height.
• Top universal landing fixed at the same level as the finished upper floor.
• Ceiling opening diameter: staircase diameter + 5 cm.

DIRECTION OF ASCENT

Clockwise  Counter clockwise

ACCESSORIES

<table>
<thead>
<tr>
<th>Extra step</th>
<th>Balustrade for upper floor (100 cm).</th>
<th>Extra section of internal post (needed for heights over 319 cm).</th>
</tr>
</thead>
</table>
EXTerior ZINK

The solid and strong outdoor galvanised spiral staircase, perfect for every location and atmospheric condition.
Above
Detail of the departure step in galvanized steel and non-slip embossing.

Previous pages
Exterior Zink 13 steps in galvanized steel.

Left page
Exterior Zink 13 steps in galvanized steel and painted white (RAL 9010).
MATERIALS AND COLORS

STEPS
- In hot-dip galvanised steel
- Anti-slip raised pattern
- Maximum stiffness and resistance to trampling

HANDRAIL
- In plastic material

STRUCTURE
- Consisting of hot-dip galvanised steel spacers attached to the steps

RAILING
- Hot-dip galvanised steel vertical columns (distance between the columns less than 10 cm)

Steel colors (steps, structure and railing)

Galvanised | Galvanised and painted White RAL 9010

Note
Hot-dip galvanising is the best steel protection against corrosion and atmospheric agents: any imperfection of the surface is the natural consequence of this treatment.

CONFIGURATIONS

SQUARE OPENING

DIRECT LANDING AT THE FLOOR SLAB

LANDING WITH 60° OPENING

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)
Structure, steps, railing, handrail

The measures of the box may vary
The **SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS** (RISE) allows you to:

- Obtain different heights between floors with the same number of steps.
- Obtain the height between the floors as required with more or fewer steps (this means you can find the best compromise between the step height and the space occupied by the staircase).

### ADJUSTABLE RISE

**Height between steps**
- Min. 21 cm
- Max. 23 cm

During installation it is possible to adjust the rise by modifying the number of spacers.

### MEASUREMENTS

**Valid for all the configurations**

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**Add more steps to reach greater heights.**

- **H** = Finished floor to finished floor height.
- Top universal landing fixed at the same level as the finished upper floor.
- Ceiling opening diameter: staircase diameter + 5 cm.

### DIRECTION OF ASCENT

- Clockwise
- Counter clockwise

### ACCESSORIES

- Extra step (with structure and railing).
- Extra section of internal post (needed for heights over 319 cm).
Wood colour (steps and handrail)

- White 84
- Natural 12
- Walnut 25
- Sand 27
- Cement 89
- Dove 87
- Wengé 23
- Lacquered White 94
- Lacquered Black 95
Steel colors (steps, structure and railing)

White
Silver grey
Anthracite grey

Red RAL 3003
Blue RAL 5002
Green RAL 6000
Yellow RAL 1023

Galvanised