RINTAL SMART DESIGN

ITALIAN STAIRCASES





GROUP RINTAL

Over forty years of history in the world of stairs

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

PRODUCT DESIGN ITALIAN MADE

QUALITY OF MATERIALS
QUALITY OF FINISHES

PRE AND AFTER SALES ASSISTANCE
BY TECHNICAL CONSULTANTS

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INSTALLATION SERVICES

With production facilities of over 100.000 square feet 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:







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 (run) allows to adapt the staircase to the space available.

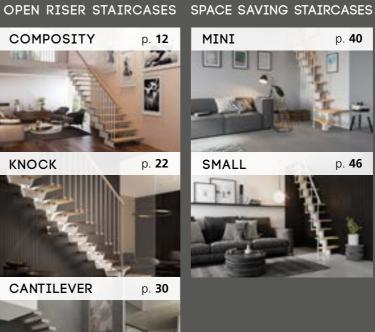
The right compromise between ease of climb and dimensions in space is achieved.

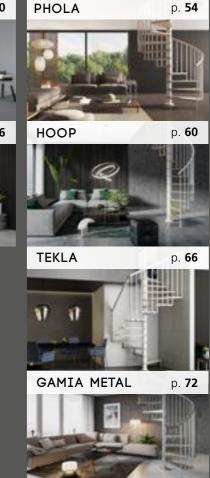
• Easy assembling

Do iy yourselver can install the stair simply by following installation and video instructions.

PRODUCT RANGE

INTERIORS STAIRCASES





SPIRAL STAIRCASES

OUTDOOR STAIRCASES

SPIRAL STAIRCASES

EXTERIOR ZINK p. 78

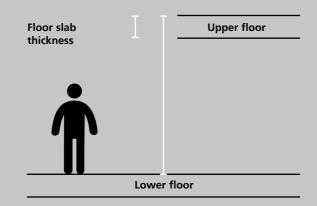
HOW TO SELECT

THE PERFECT STAIRCASE

01. COLLECT ALL DATA

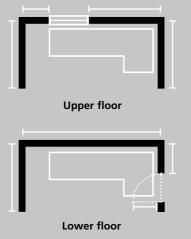
HEIGHT FROM FLOOR TO FLOOR

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

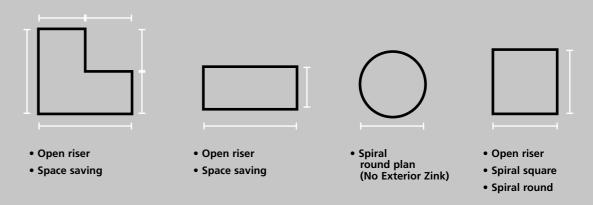
Measure the dimensions of the space where the stairs will be positioned always considering the architectural elements such as walls, doors, windows, radiators etc., which may obstruct the position of the stairs.



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



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.

Run: 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.

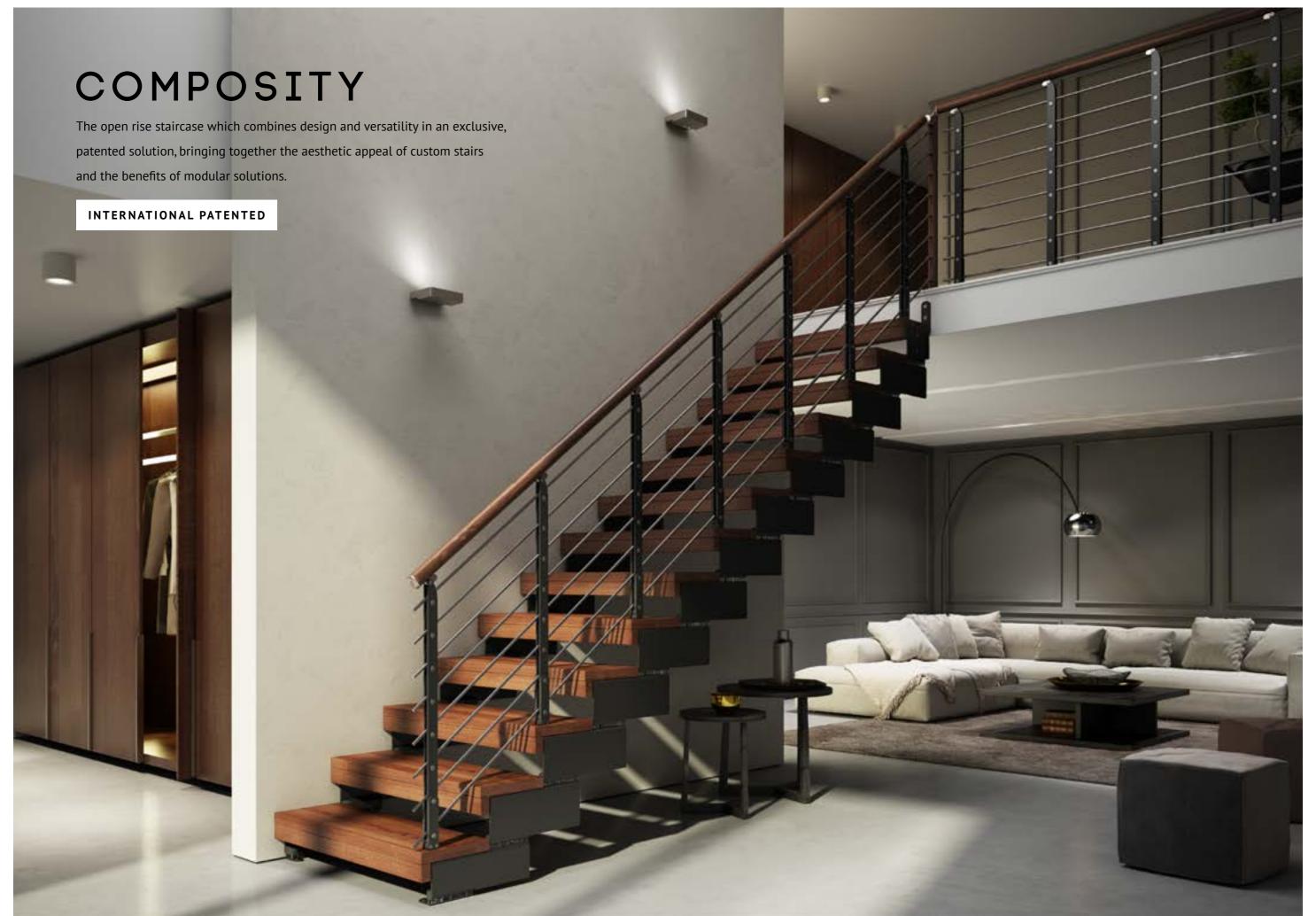
Ceiling slab opening: opening of the ceiling slab for the installation of the staircase.

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

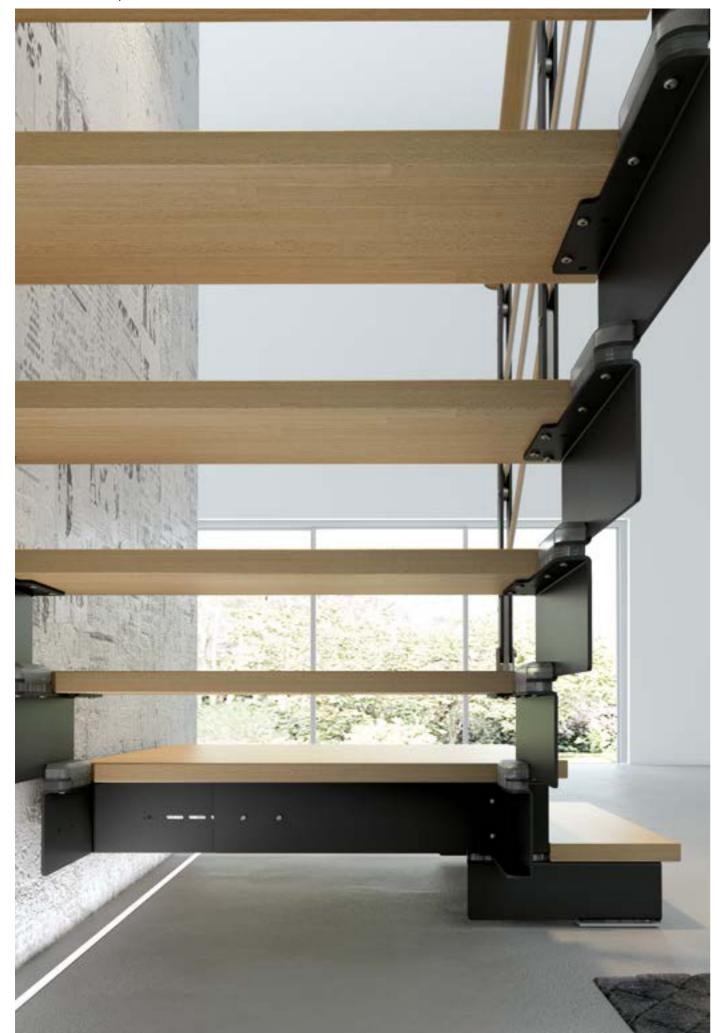
MADE IN ITALY | INTERNATIONAL PATENTED



SMART DESIGN

12 13

OPEN RISE STAIRCASES | COMPOSITY







Previous pages

Composity 13 steps, straight configuration. Steps and handrail in Walnut 16, structure and railing (model Minimal) in Anthracite grey 03.

Detail of the mounting of the railing Minimal on the step. Steps and handrail in Walnut 16, structure and railing (model Minimal) in White 22.

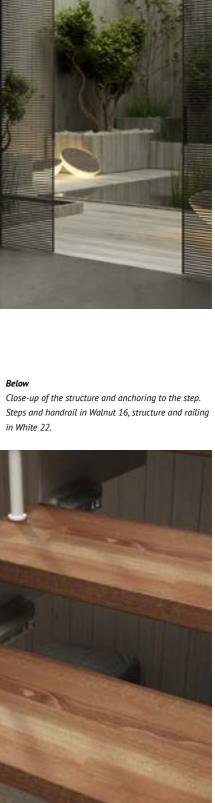
Left page

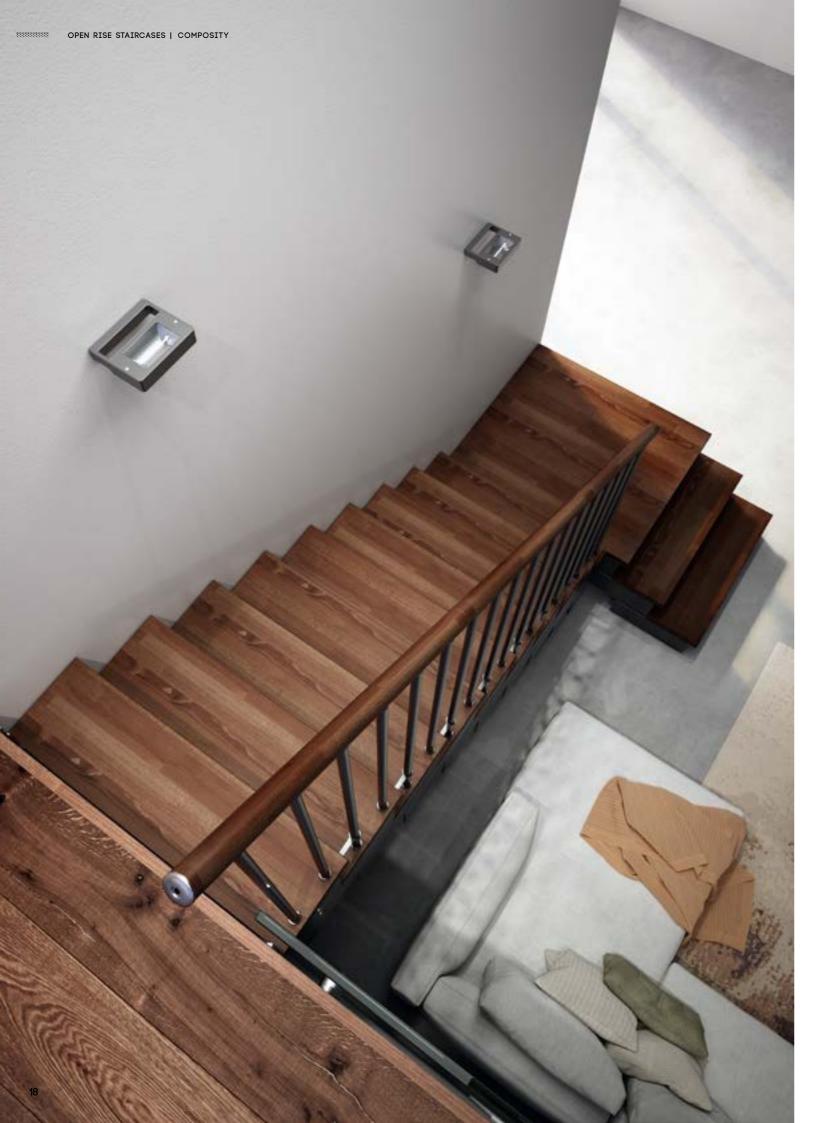
Detail of the landing. Steps and handrail in Natural 12, structure and railing (model Minimal) in Anthracite grey 03.

Left

Composity 13 steps, straight configuration. Steps and handrail in Natural 12, structure and railing (model Minimal) in White 22.









Composity 13 steps, straight configuration. Steps and handrail in Walnut 16, structure and railing (model Tube) in White 22.

Composity 12 steps, configuration with one turn (landing). Steps and handrail in White 84, structure and railing (model with vertical columns) in White 22.

Composity 12 steps, configuration with 1 turn. Steps and handrail in Walnut 16, structure and railing (model with vertical columns) in Anthracite grey 03. Close-up of turn created with 1 platform.

INTERNATIONAL PATENTED



STEPS

- Solid beech wood, 1-5/8" (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 color as steps

STRUCTURE

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

RAILING (two models)

- Steel vertical columns painted in the same color as the structure (distance between the columns less than 3-7/8" - 10 cm)
- Painted steel uprights in same color as structure and satin finish horizontal stainless steel cables

COLORS

STEPS AND HANDRAIL - Wood

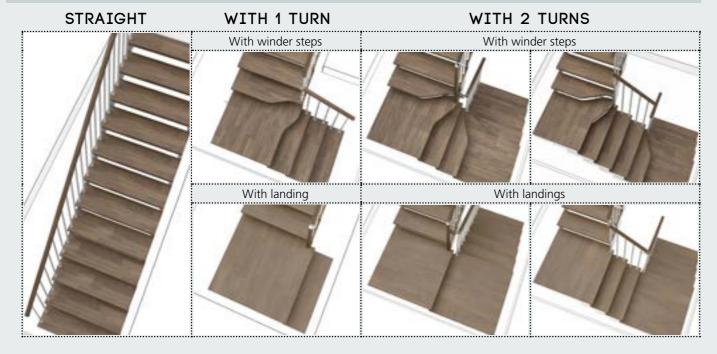


STRUCTURE AND RAILING - Steel

White 22

Anthracite grey 03

CONFIGURATIONS



PACKAGE

1 box

45" - 114 cm

The measures of the box may vary

=

37" - 94 cm

1 complete staircase with 12 steps

Structure, steps, railing (internal side), handrail

Choose between: 24" - 60 cm Straight staircase:

• 12 straight steps

(2 versions)

Staircase with 1 turn: • 9 straight steps + 3 winder steps • 11 straight steps + 1 landing

Staircase with 2 turns: • (2 versions)

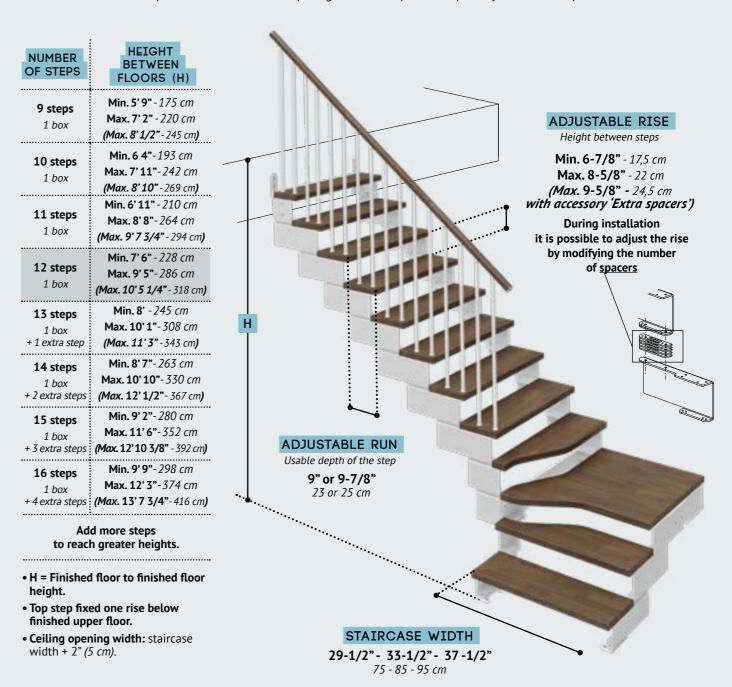
6 straight steps + 6 winder steps

10 straight steps + 2 landings

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).



DIRECTION OF ASCENT

Clockwise Counter clockwise

TURN POSITION

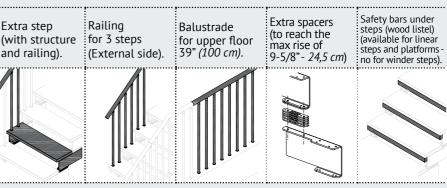
Botton Middle

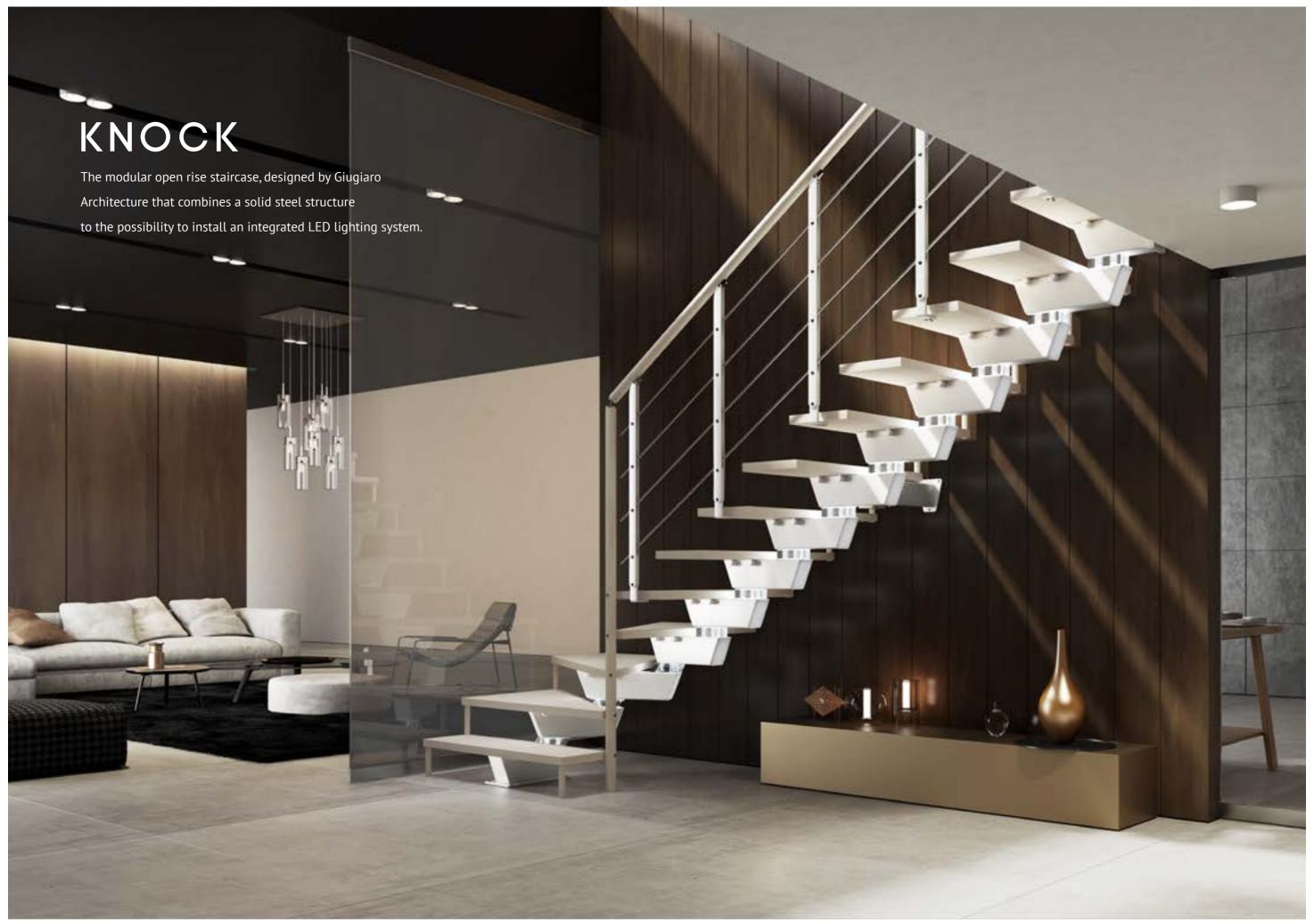






ACCESSORIES





22

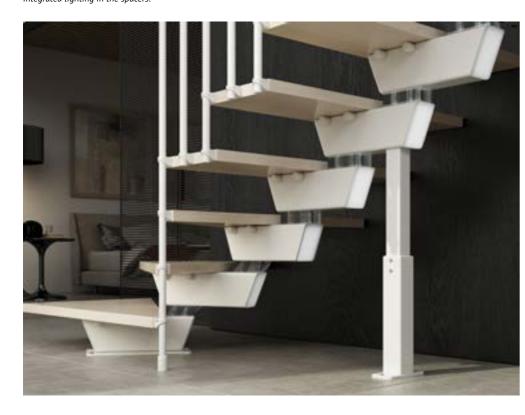
SMART DESIGN

Previous pages

Knock 13 steps, configuration with 1 turn.

Steps and handrail in White 84, structure and railing in White 22.

Integrated lighting in the spacers.



Left

Close-up of structure and floor support. Steps and handrail in White 84, structure and railing in White 22.

Right page

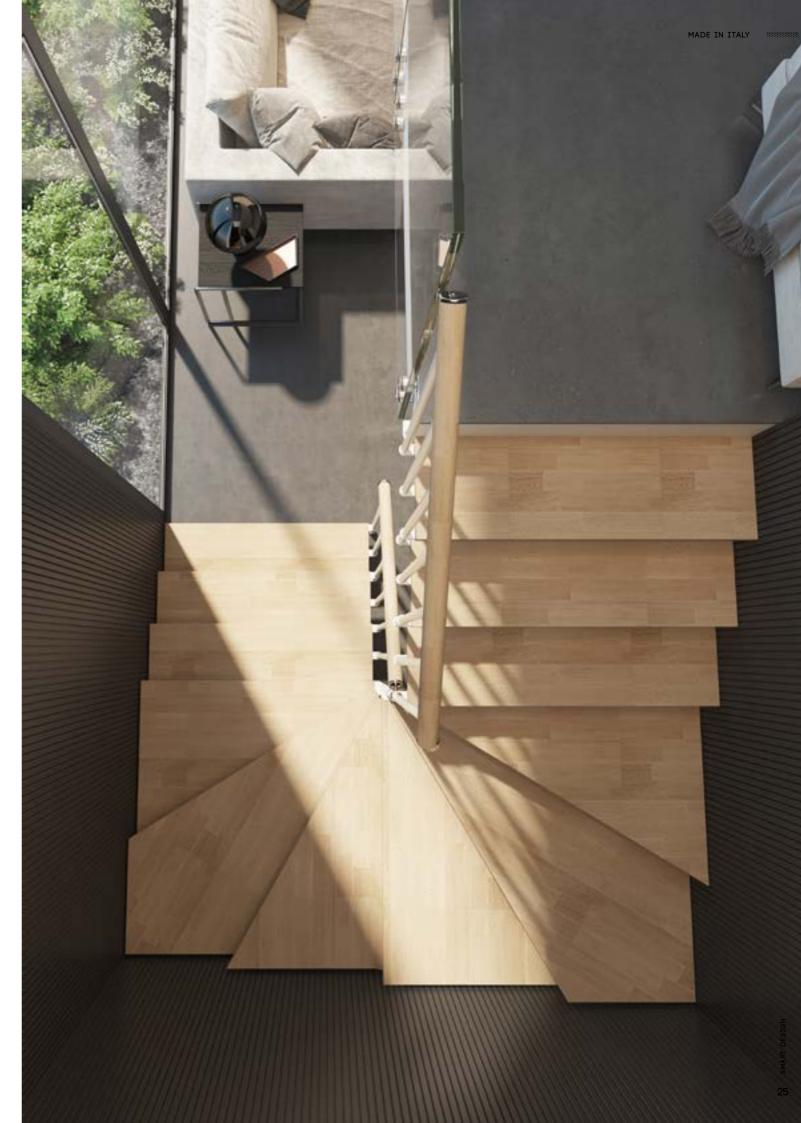
Knock 12 steps, configuration with 2 turns. Steps and handrail in Sand 27, structure and railing in White 22.

Belov

Detail of the structure.

Steps and handrail in White 84, structure and railing in White 22.





MADE IN ITALY *********



Left page

Knock 12 steps, configuration with 1 turn. Steps and handrail in Walnut 25, structure and railing in Anthracite grey 03.

Below

Detail of the structure and of the spacers with integrated lighting. Steps and handrail in Walnut 25, structure and railing in White 22.



STEPS

- Solid beech wood, 1-5/8" (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 color as the steps

STRUCTURE

Dove 87

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

Wengé 23

RAILING (two models)

- Steel vertical columns painted in the same color as the structure (distance between the columns less than 3-7/8" - 10 cm)
- Painted steel uprights in same color as structure and satin finish horizontal stainless steel cables

Lacquered

White 94

Lacquered

Black 95

COLORS

STEPS AND HANDRAIL - Wood

White 84	Natural 12	Walnut 25	Sand 27	Cement 89
		100		

STRUCTURE AND RAILING - Steel

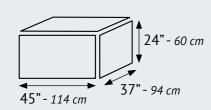


CONFIGURATIONS

STRAIGHT WITH 1 TURN WITH 2 TURNS

PACKAGE

1 box =



The measures of the box may vary

28

1 complete staircase with 12 steps

Structure, Steps, Railing (Internal side), Handrail

Choose between:

Straight staircase: 12 straight steps

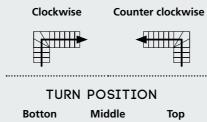
Staircase with 1 turn:

9 straight steps + 3 winder steps

Staircase with 2 turns:

6 straight steps + 6 winder steps

DIRECTION OF ASCENT

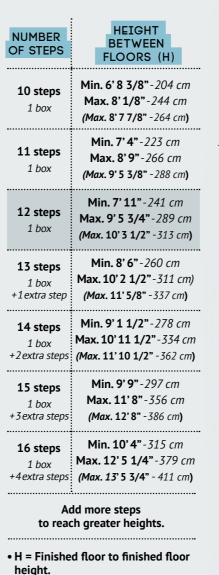


The SYSTEM FOR ADJUSTING THE HEIGHT BETWEEN THE STEPS (RISE) allows you to:

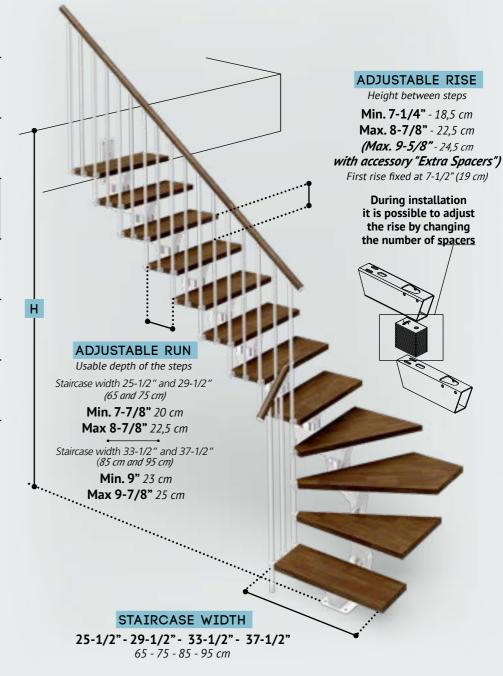
• Obtain different heights between floors with the same number of steps.

MEASUREMENTS valid for all the configurations

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).



- · Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 2" (5 cm).



ACCESSORIES

Extra step (with structure and railing).	Railing for 3 steps (External side).	Balustrade for upper floor 39" <i>(100 cm)</i> .	Lateral support.	Safety bars under step.	Extra spacers (to reach the max rise of 9-5/8" - <i>24,5 cm</i>)	LED lighting between the steps.

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OPEN RISE STAIRCASES | CANTILEVER



SMART DESIGN

30

OPEN RISE STAIRCASES | CANTILEVER



Previous pages

13 steps Cantilever configuration with 1 landing. Steps in White 84, structure in White 22.

Left page

14 steps Cantilevers, rectilinear configuration. Steps in Walnut 25, structure in White 22.



Above

Detail step and wall fixing. Steps in Walnut 25, structure in White 22.

Subsequent Pages

14 steps Cantilevers, rectilinear configuration. Steps in White 84, structure in White 22.



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

COLORS

STEPS - Wood

White 84	Natural 12	Walnut 25
		4















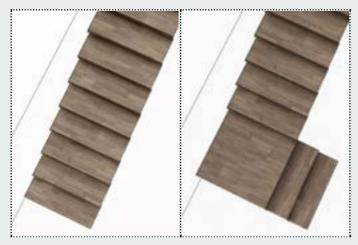
STRUCTURE - Steel

White 22

CONFIGURATIONS

STRAIGHT

WITH 1 TURN



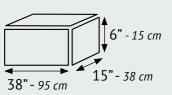
PACKAGE

1 box

1 step Structure, steps and fixings

At one's choice between:



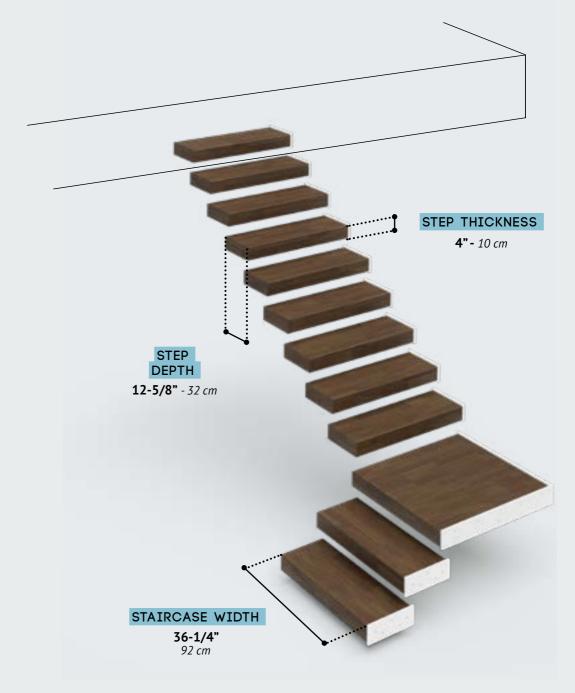






The measures of the box may vary

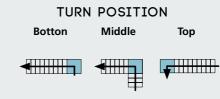
MEASUREMENTS valid for all the configurations



- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width + 2" (5 cm).



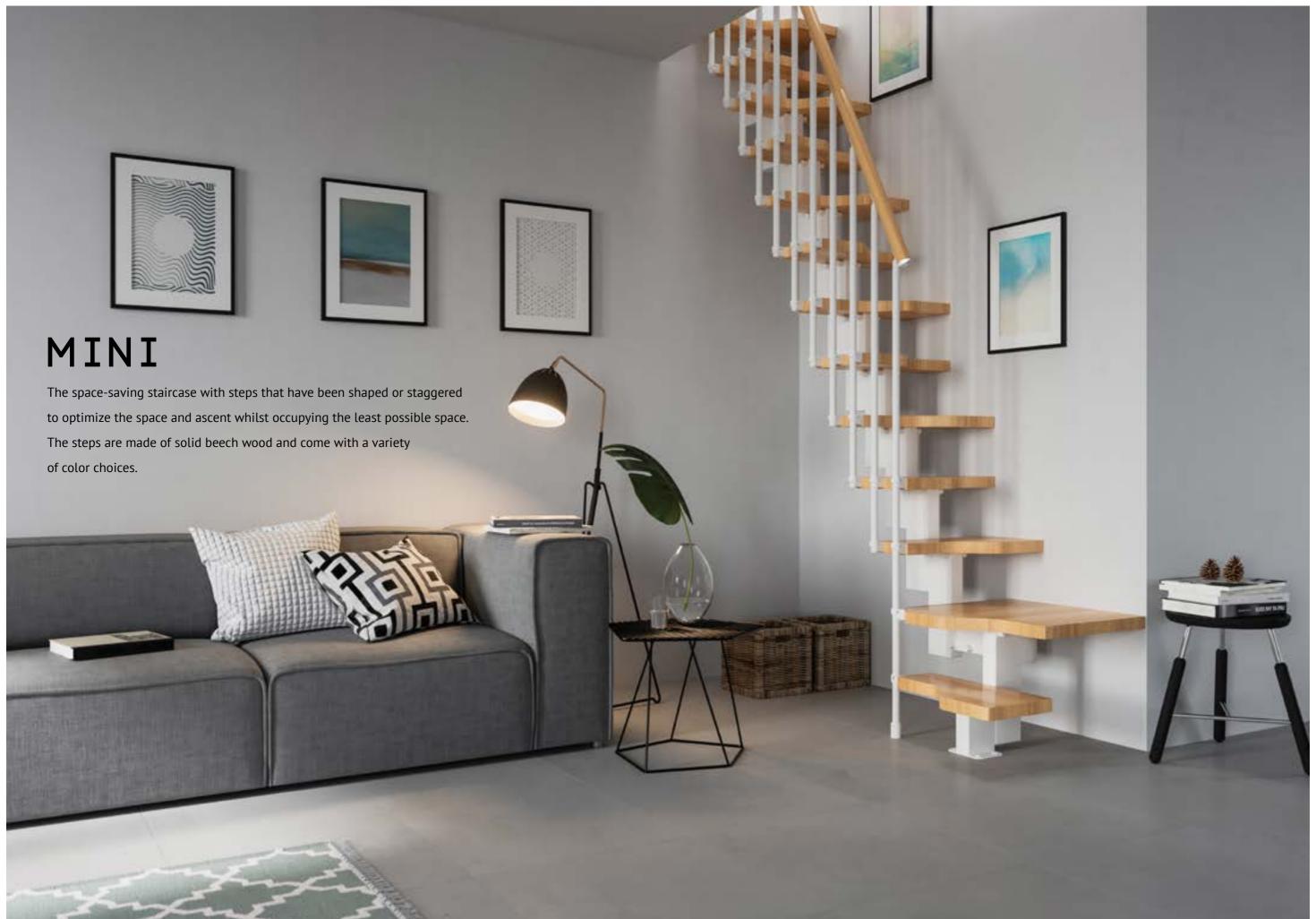






Consult a structural engineer to make sure the walls where the steps will be attached to are load-bearing.

SPACE SAVING STAIRCASES



SMART DESIGN

MADE IN ITALY SAME STAIRCASES | MINI



Left page

Close-up of step shape with alternating tread. Steps and handrail in Walnut 25, structure and railing in Silver grey 01.

Previous page

Mini 13 steps, configuration with one turn. Steps and handrail in Natural 12, structure and railing in White 22.

Below

Close-up of space-saving landing. Steps and handrail in Natural 12, structure and railing in White 22.



STEPS

- Solid beech wood, 1-5/8" (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 color as steps

STRUCTURE

- Steel modular elements
- Powder coated with scratch proof finish

RAILING

Steel vertical columns painted in the same color as the structure (distance between the columns less than 3-7/8" - 10 cm)

COLORS

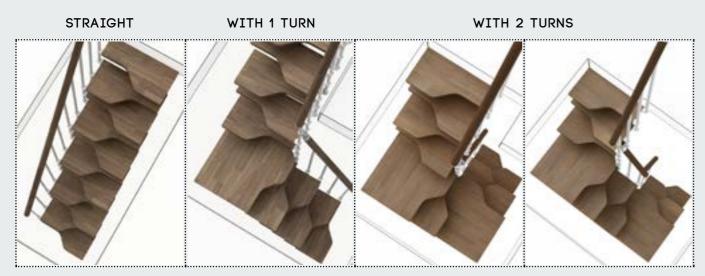
STEPS AND HANDRAIL - Wood

White 84	Natural 12	Walnut 16	Walnut 25	Sand 27	Cement 89	Dove 87	Wengé 23	White 94	Black 95
			4						

STRUCTURE AND RAILING - Steel

Silver grey 01

CONFIGURATIONS



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

PACKAGE

1 box

12" - *30 cm*

32" - 80 cm

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

48" - 120 cm

MEASUREMENTS valid for all the configurations

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

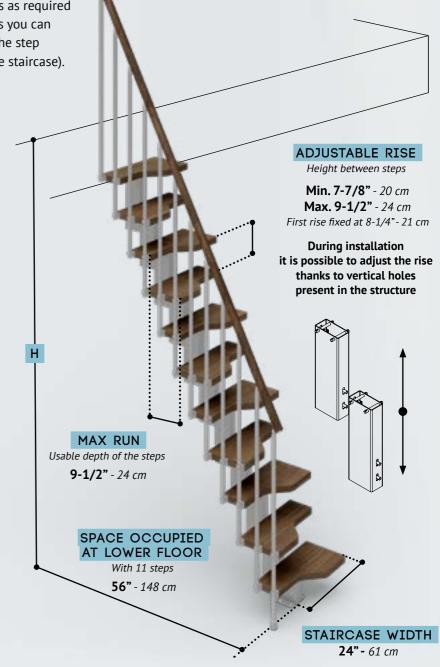
• Obtain different heights between floors with the same number of steps.

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).

NUMBER OF STEPS	HEIGHT BETWEEN FLOORS (H)
9 steps 1 box	Min. 6' 7" -201 cm Max. 7' 9" -237 cm
10 steps <i>1 box</i>	Min. 7' 3" -221 cm Max. 8' 6 3/4" -261 cm
11 steps <i>1 box</i>	Min. 7' 11" -241 cm Max. 9' 4" -285 cm
12 steps 1 box +1 extra step	Min. 8' 6 3/4" -261 cm Max. 10' 1" -309 cm
13 steps 1 box+2 extra steps	Min. 9' 2" -281 cm Max. 10' 11" -333 cm
14 steps 1 box+3 extra steps	Min. 9' 10" -301 cm Max. 11' 8" -357 cm

Add more steps to reach greater heights.

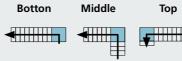
- H = Finished floor to finished floor height.
- Top step fixed one rise below finished upper floor.
- Ceiling opening width: staircase width



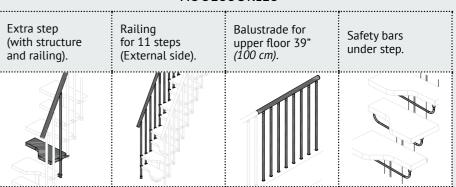
DIRECTION OF ASCENT

Clockwise Counter clockwise

TURN POSITION Middle **Botton**



ACCESSORIES



MADE IN ITALY MADE IN ITALY



SMART DESIGN



Previous pages

Small 11 steps, straight configuration. Steps, structure, railing in natural finish and handrail in White 22.

Le

Close-up of step shape with alternating tread. Steps, structure, railing in natural finish and handrail in White 22.

Right page

Small 11 steps, straight configuration. Steps, structure, railing in natural finish and handrail in Silver grey 01.



STEPS

- In birch plywood, thickness 1-1/8" (29 mm)
- Excellent stability and high mechanical strength
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL

• In plastic material in the same color as the structure

STRUCTURE

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

RAILING

Painted steel vertical rails matching the color of the structure

COLORS

STEPS - Wood

Natural

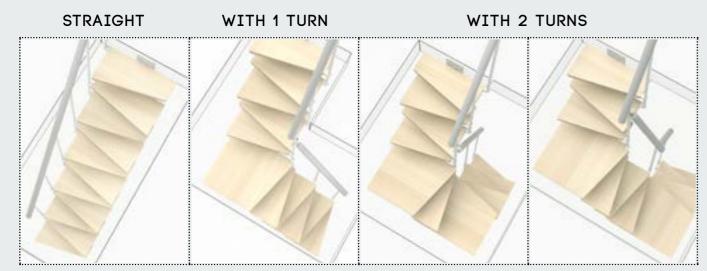


STRUCTURE AND RAILING - Steel

White 22

Silver grey 01

CONFIGURATIONS

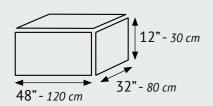


STAGGERED AND SHAPED STEPS: reduce the space occupied by the staircase without sacrificing comfort.

PACKAGE

1 box

=



The measures of the box may vary

1 complete staircase with 11 steps

Structure, steps, railing (internal side), handrail

Choose between:

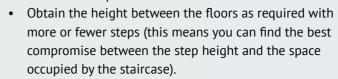
Straight staircase: 11 straight steps

Staircase with 1 turn: 10 straight steps + 1 landing **Staircase with 2 turns:** 9 straight steps + 2 landings

MEASUREMENTS valid for all the configurations

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

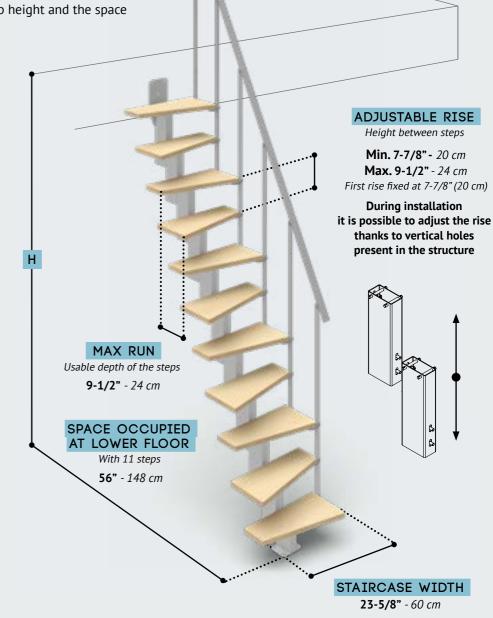
• Obtain different heights between floors with the same number of steps.



NUMBER OF STEPS	HEIGHT BETWEEN FLOORS (H)
9 steps 1 box	Min. 6' 6 3/4" - 200 cm Max. 7' 8 7/8" - 236 cm
10 steps <i>1 box</i>	Min. 7' 2 5/8" - 220 cm Max. 8' 6 3/8" - 260 cm
11 steps <i>1 box</i>	Min. 7' 10 1/2" - 240 cm Max. 9' 3 3/4" - 284 cm
12 steps 1 box+1 extra step	Min. 8' 6 3/8" - 260 cm Max. 10' 1 1/4" - 308 cn
13 steps 1 box + 2 extra steps	Min. 9' 2 1/4" - 280 cm Max. 10' 10 3/4" - 332 cm
14 steps 1 box+3 extra steps	Min. 9' 10 1/8" - 300 cm Max. 11' 8 1/8" - 356 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 + 2" (5 cm).



DIRECTION OF ASCENT

Clockwise Counter clockwise



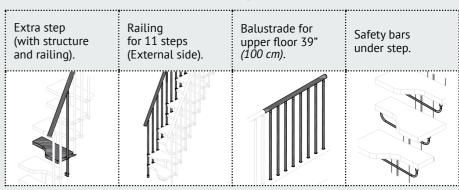
TURN POSITION

Botton





ACCESSORIES



SMART DESIGN

50

SPIRAL STAIRCASES

MADE IN ITALY MADE IN ITALY



SMART DESIGN





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Previous pages

Phola 13 steps. Steps and handrail in Sand 27, structure and railing in White 22.

Left

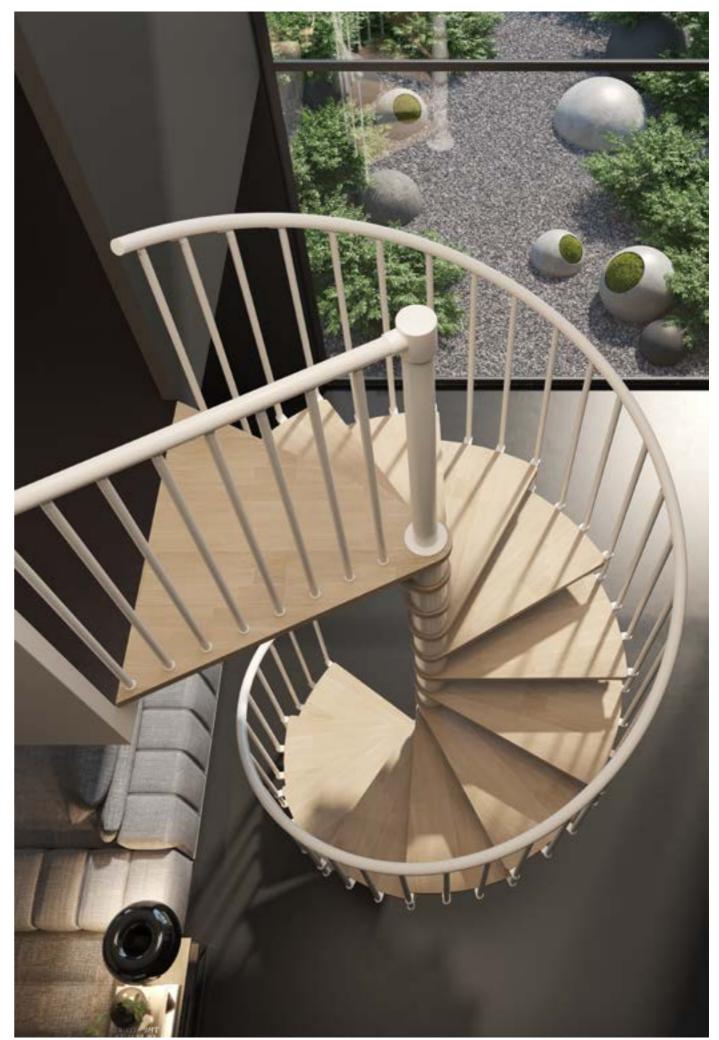
Close-up of the first step and anchoring to the railing.
Steps and handrail in Sand 27, structure and railing in Anthracite grey 03.

Above

Phola 13 steps. Steps and handrail in Walnut 25, structure and railing in Anthracite grey 03.

Right page

Phola 13 steps. Steps in Sand 27, handrail in White 22 plastic, structure and railing in White 22. Close-up of universal top landing.



STEPS

- Solid beech wood, 1-5/8" (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 color of the structure

STRUCTURE

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

RAILING

Painted steel vertical rails matching the color of the structure

ROUND OPENING

COLORS

STEPS AND HANDRAIL - Wood

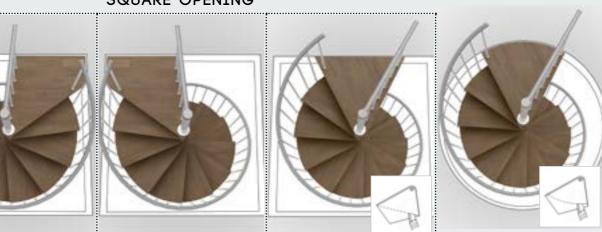
White 84	Natural 12	Walnut 25	Sand 27	Cement 89	Dove 87	Wengé 23	Lacquered White 94	Lacquered Black 95

STRUCTURE AND RAILING - Steel

White 22	Silver grey 01	Anthracite grey 03

CONFIGURATIONS

SQUARE OPENING

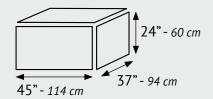


UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation

PACKAGE

1 box

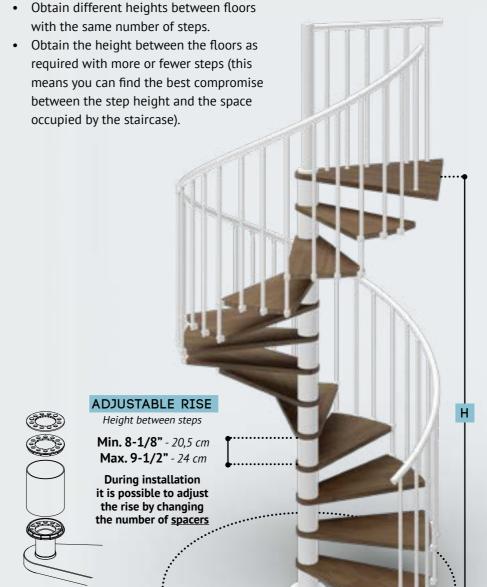
1 complete staircase of 13 steps (landing included) Structure, steps, railing, handrail



The measures of the box may vary

MEASUREMENTS valid for all the configurations

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



STAIRCASE DIAMETER

41" - 47" - 55" - 63" - 71" 105 - 120 - 140 - 160 - 180 cm

NUMBER OF STEPS	HEIGHT BETWEEN FLOORS (H)
10 steps <i>1 box</i>	Min. 6' 8 3/4" - 205 cm Max. 7' 10 1/2" - 240 cm
11 steps <i>1 box</i>	Min. 7' 5" - 226 cm Max. 8' 8" - 264 cm
12 steps 1 box	Min. 8' 1" - 246 cm Max. 9' 5 3/8" - 288 cm
13 steps	Min. 8' 9 1/8" - 267 cm Max. 10' 2 7/8" - 312 cm
1 50%	- 142.1 = 0 = 1, 0 = 512 0
14 steps 1 box+1 extra step	Min. 9' 5" - 287 cm Max. 11' 1/4" - 336 cm
14 steps <i>1 box + 1</i>	Min. 9' 5" - 287 cm
14 steps 1 box +1 extra step 15 steps 1 box +2	Min. 9' 5" - 287 cm Max. 11' 1/4" - 336 cm Min. 10' 1 1/4" - 308 cm

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 + 2" (5 cm).

DIRECTION OF ASCENT

Clockwise Counter clockwise

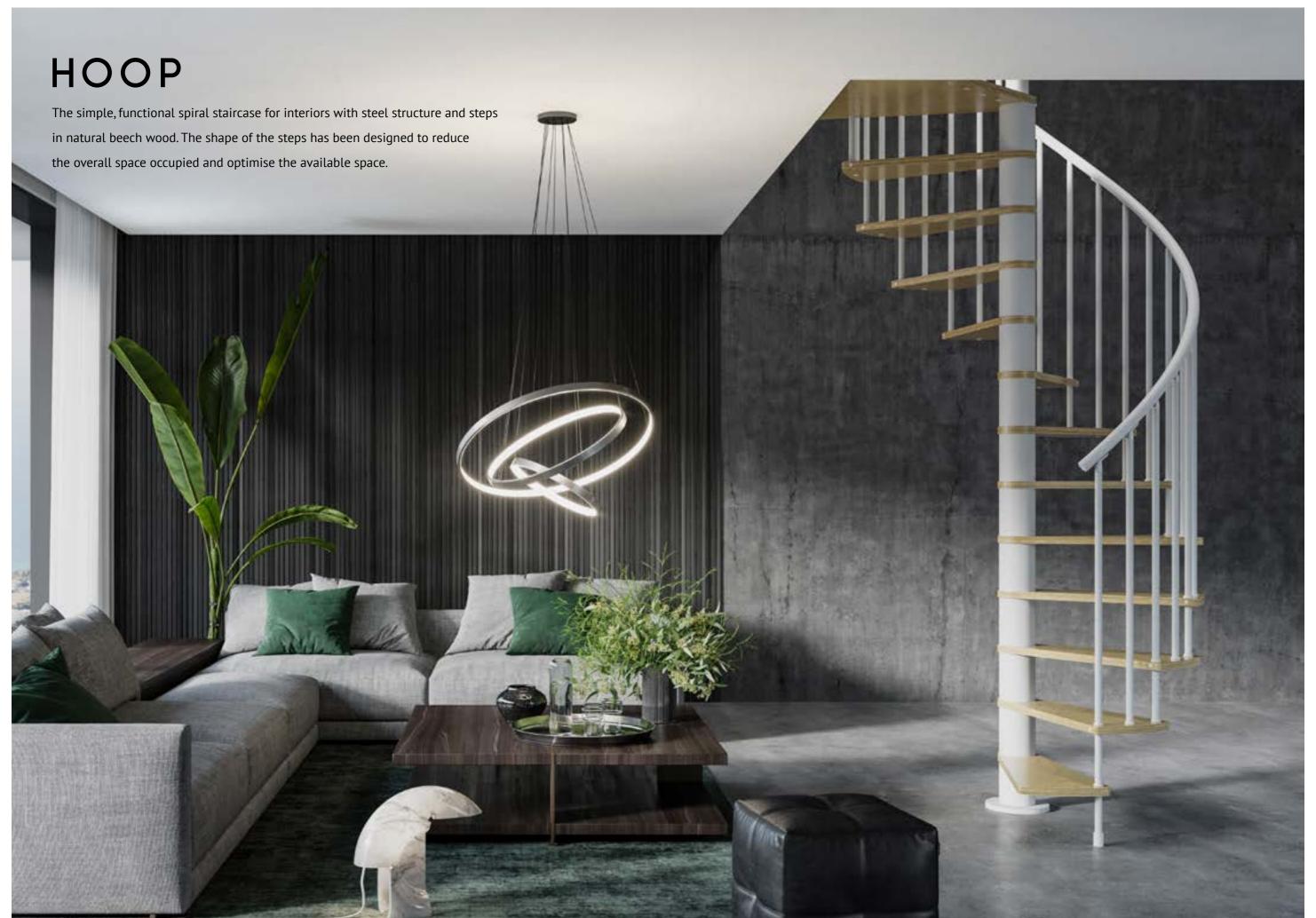




ACCESSORIES



SPIRAL STAIRCASES | HOOP



SMART DESIGN

SPIRAL STAIRCASES | HOOP





Left page

Hoop 13 steps. Steps, structure and railing in natural finish and handrail in Silver grey 01.

Steps, structure and railing in natural finish and handrail in White 22.

Previous pages Hoop 13 steps.

Close-up of first step and curve angle of the steps.

Steps, structure and railing in natural finish and handrail in White 22.

STEPS

- In birch plywood, thickness 1-1/8" (29 mm)
- Excellent stability and high mechanical strength
- Non-toxic water-based coating: 3 layers of paint

HANDRAIL

• In plastic material in the same color as the structure

STRUCTURE

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

RAILING

Steel vertical columns painted in the same color as the structure (distance between the columns less than 3-7/8" - 10 cm)

COLORS

STEPS - Wood

Natural

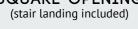
STRUCTURE AND RAILING - Steel

White 22

Silver grey 01

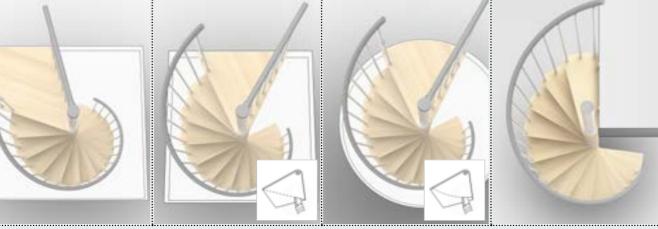
CONFIGURATIONS

SQUARE OPENING







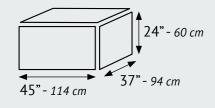


UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation.

4 STEPS EVERY 90°: this reduces the space occupied without loosing comfort.

PACKAGE

1 box



1 complete staircase of 13 steps (landing included)

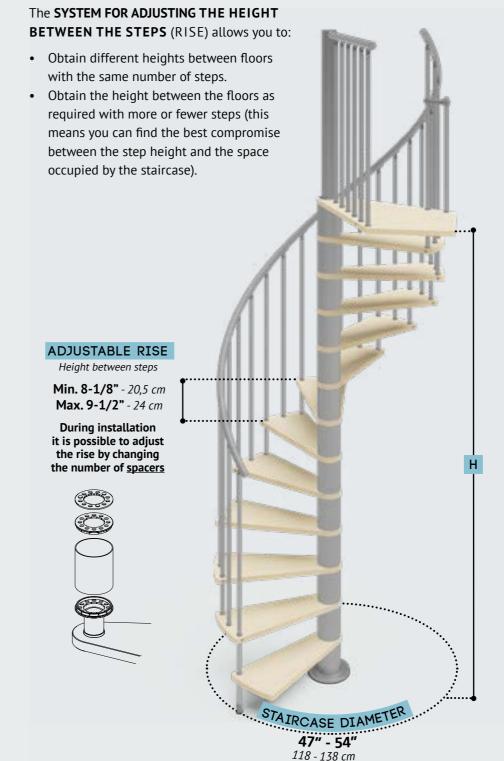
Structure, steps, railing, handrail

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



NUMBER	HEIGHT BETWEEN
OF STEPS	FLOORS (H)
10 steps 1 box	Min. 6' 8 3/4" - 205 cm Max. 7' 10 1/2" - 240 cm
11 steps <i>1 box</i>	Min. 7' 5" - 226 cm Max. 8' 8" - 264 cm
12 steps <i>1 box</i>	Min. 8' 1" - 246 cm Max. 9' 5 3/8" - 288 cm
•••••	
13 steps 1 box	Min. 8' 9 1/8" - 267 cm Max. 10' 2 7/8" - 312 cm
•	•
1 box 14 steps 1 box+1	Max. 10' 2 7/8" - 312 cm Min. 9' 5" - 287 cm
1 box 14 steps 1 box+1 extra step 15 steps 1 box+2	Max. 10' 2 7/8" - 312 cm Min. 9' 5" - 287 cm Max. 11' 1/4" - 336 cm Min. 10' 1 1/4" - 308 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 + 2" (5 cm).

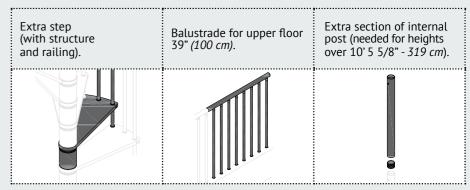
DIRECTION OF ASCENT

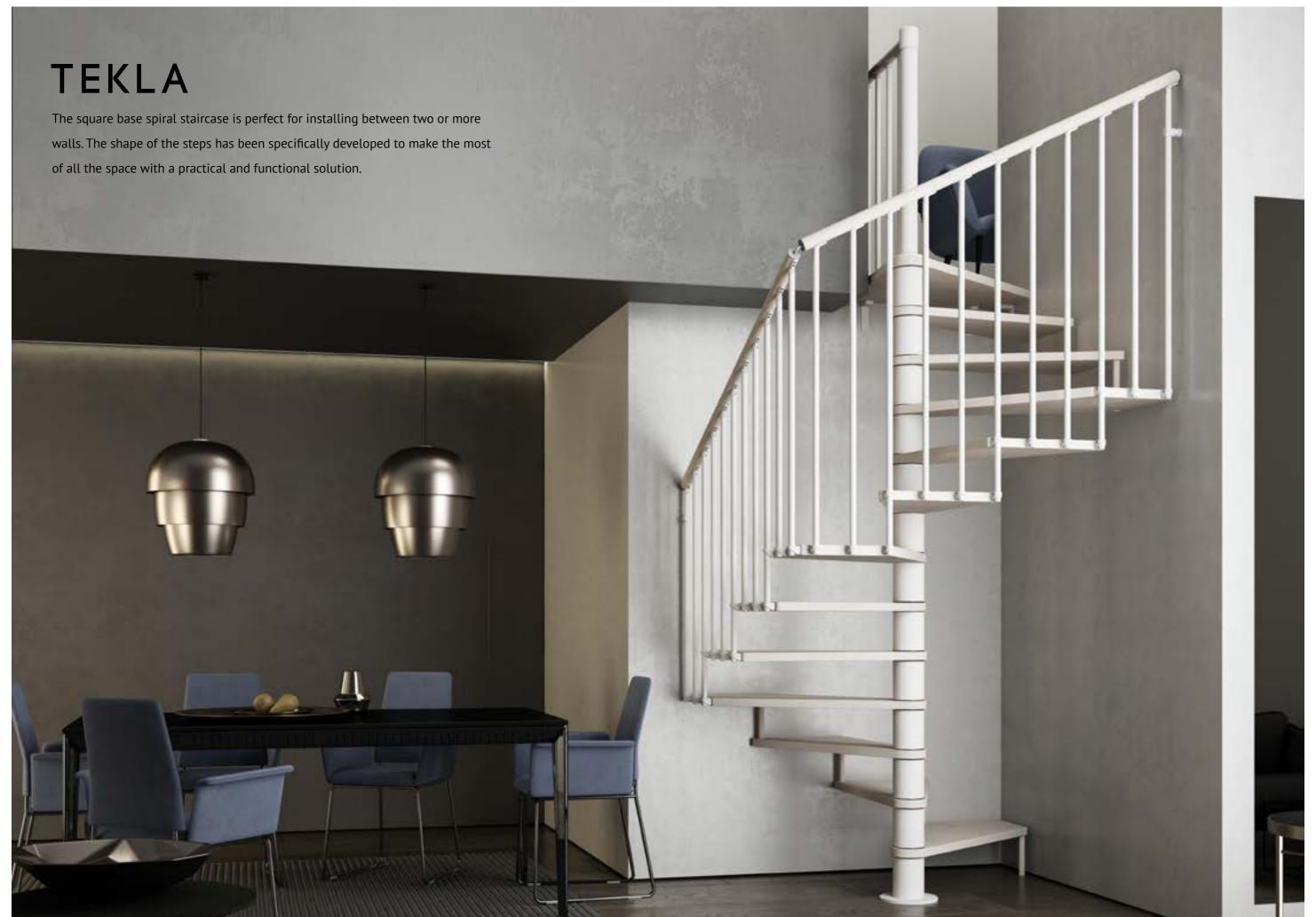
Clockwise Counter clockwise





ACCESSORIES





SMART DESIGN

Previous pages

Tekla 13 steps.
Steps and handrail in White 84,
structure and railing in White 22.

Belov

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

Right page

Phola 13 steps. Steps in Walnut 25, handrail in Black 14 plastic, structure and railing in Anthracite grey 03. Close-up of universal top landing.





STEPS

- Solid beech wood, 1-5/8" (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 color of the structure

STRUCTURE

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

RAILING

 Steel vertical columns painted in the same color as the structure (distance between the columns less than 3-7/8" - 10 cm)

COLORS

STEPS AND HANDRAIL - Wood

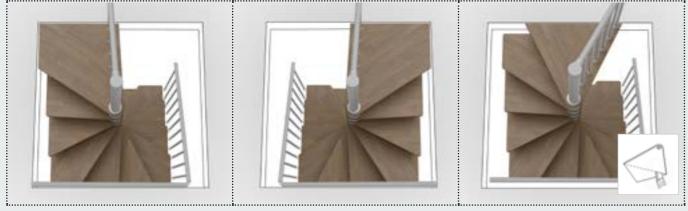
White 84	Natural 12	Walnut 25	Sand 27	Cement 89	Dove 87	Wengé 23	Lacquered White 94	Lacquered Black 95

STRUCTURE AND RAILING - Steel

White 22	Silver grey 01	Anthracite grey 03

CONFIGURATIONS

SQUARE OPENING

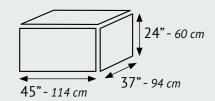


UNIVERSAL LANDING WITH 60° OPENING: adaptable to any opening during installation. SQUARE BASE SPIRAL STAIRCASE: adapts to corners perfectly.

PACKAGE

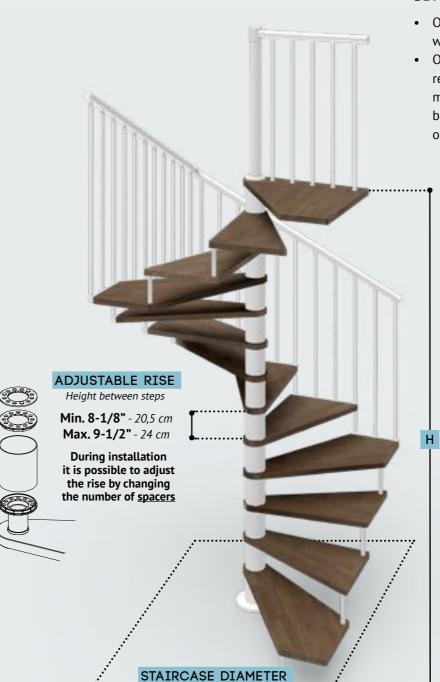
1 box = 1 complete staircase of 13 steps (landing included)

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).

NUMBER OF STEPS	HEIGHT BETWEEN FLOORS (H)
10 steps 1 box	Min. 6' 8 3/4" - 205 cm Max. 7' 10 1/2" - 240 cm
11 steps 1 box	Min. 7' 5" - 226 cm Max. 8' 8" - 264 cm
12 steps <i>1 box</i>	Min. 8' 1" - 246 cm Max. 9' 5 3/8" - 288 cm
13 steps 1 box	Min. 8' 9 1/8" - 267 cm Max. 10' 2 7/8" - 312 cm
14 steps 1 box+1 extra step	Min. 9' 5" - 287 cm Max. 11' 1/4" - 336 cm
15 steps 1 box +2 extra steps	Min. 10' 1 1/4" - 308 cm Max. 11' 9 3/4" - 360 cm
16 steps 1 box+3	Min. 10' 9 1/8" - 328 cm Max. 12' 7 1/8" - 384 cm

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 + 2" (5 cm).

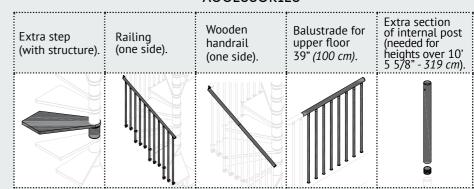
DIRECTION OF ASCENT

Clockwise Counter clockwise





ACCESSORIES



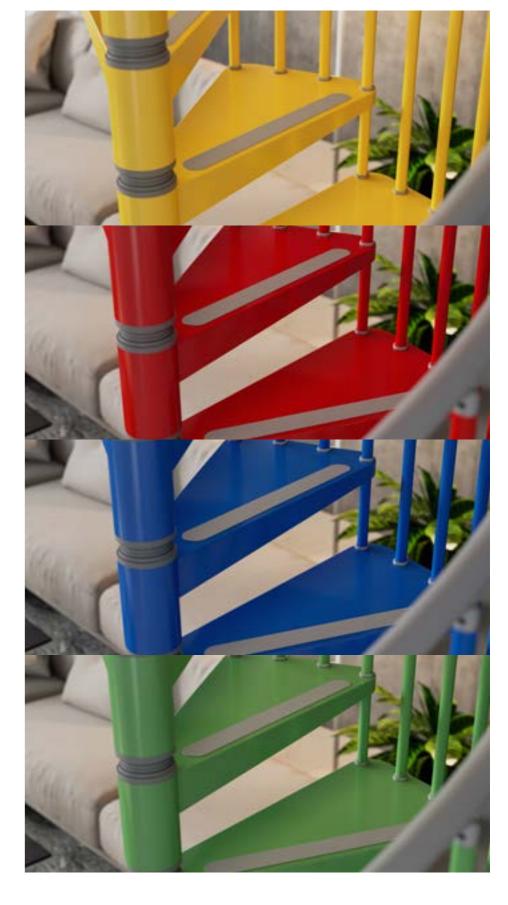
70



SPIRAL STAIRCASES | GAMIA METAL







Previous pages

Gamia Metal 13 steps. Steps, structure, railing and handrail in Silver grey 01.

Left page

Gamia Metal 13 steps.
Steps, structure, railing and handrail in White 22.

ove

Close-up of step and anti-slip strip available in Red 92, Yellow 36, Blue 34 and Green 35.

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 3-7/8" - 10 cm)

COLORS

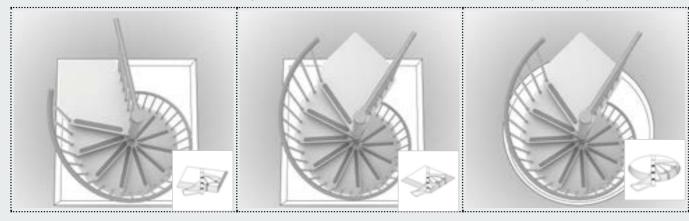
STEPS, STRUCTURE AND RAILING - Steel

White 22	Silver Grey 01	Black 14	Red 92	Blue 34	Green 35	Yellow 36

CONFIGURATIONS

SQUARE OPENING

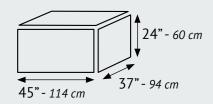
ROUND OPENING



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

PACKAGE

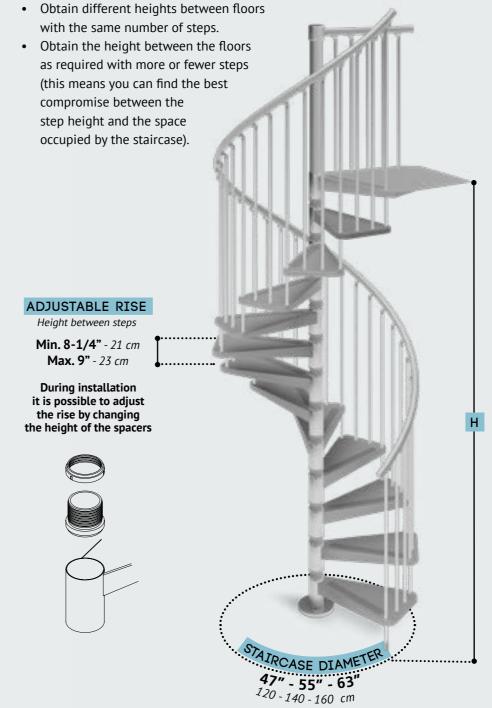
1 box = 1 complete staircase of 13 steps (landing included)
Structure, steps, railing, handrail



The measures of the box may vary

MEASUREMENTS valid for all the configurations

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



NUMBER OF STEPS	HEIGHT BETWEEN FLOORS (H)
10 steps <i>1 box</i>	Min. 6' 10 5/8" - 210 cm Max. 7' 6 1/2" - 230 cm
11 steps <i>1 box</i>	Min. 7' 7" - 231 cm Max. 8' 3 5/8" - 253 cm
12 steps <i>1 box</i>	Min. 8' 3 1/4" - 252 cm Max. 9' 5/8" - 276 cm
13 steps <i>1 box</i>	Min. 8' 10 1/2" - 273 cm Max. 9' 9 3/4" - 299 cm
14 steps 1 box+1 extra step	Min. 9' 7 3/4" - 294 cm Max. 10' 6 3/4" - 322 cm
15 steps 1 box +2 extra steps	Min. 10' 4" - 315 cm Max. 11' 3 7/8" - 345 cm
16 steps 1 box+3 extra steps	Min. 11' 1/4" - 336 cm Max. 12' 7/8" - 368 cm

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 + 2" (5 cm).

DIRECTION OF ASCENT

Clockwise Counter clockwise





ACCESSORIES

Extra step (with structure and railing).	Balustrade for upper floor 39" <i>(100 cm)</i> .	Extra section of internal post (needed for heights over 10' 5 5/8" - 319 cm).

SMART DESIGN

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OUTDOOR STAIRCASES | EXTERIOR ZINK



OUTDOOR STAIRCASES | EXTERIOR ZINK





Previous pages

Exterior Zink 13 steps in Galvanised steel 10.

Left page

Exterior Zink 13 steps in Galvanised and painted steel White 32.

Ab

Detail of the departure step in Galvanised steel 10 and non-slip embossing.

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 3-7/8" - 10 cm)

COLORS

STEPS, STRUCTURE AND RAILING - Steel

Galvanised steel 10

Galvanised and painted steel White 32 Galvanised and painted steel Black 31



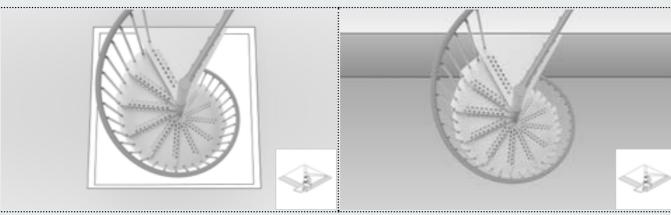
Note

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



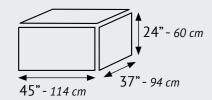


LANDING WITH 60° OPENING

PACKAGE

1 box = 1 complete staircase of 13 steps (landing included)

Structure, steps, railing, handrail



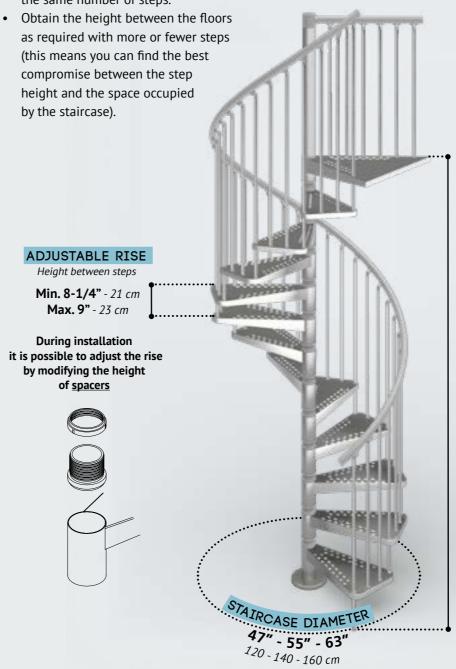
The measures of the box may vary

82

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.



HEIGHT BETWEEN FLOORS (H)
Min. 6' 10 5/8" - 210 cm Max. 7' 6 1/2" - 230 cm
Min. 7' 7" - 231 cm Max. 8' 3 5/8" - 253 cm
Min. 8' 3 1/4" - 252 cm Max. 9' 5/8" - 276 cm
Min. 8' 10 1/2" - 273 cm Max. 9' 9 3/4" - 299 cm
Min. 9' 7 3/4" - 294 cm Max. 10' 6 3/4" - 322 cm
Min. 10' 4" - 315 cm Max. 11' 3 7/8" - 345 cm
Min. 11' 1/4" - 336 cm Max. 12' 7/8" - 368 cm

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 + 2" (5 cm).

DIRECTION OF ASCENT

Clockwise Counter clockwise





ACCESSORIES

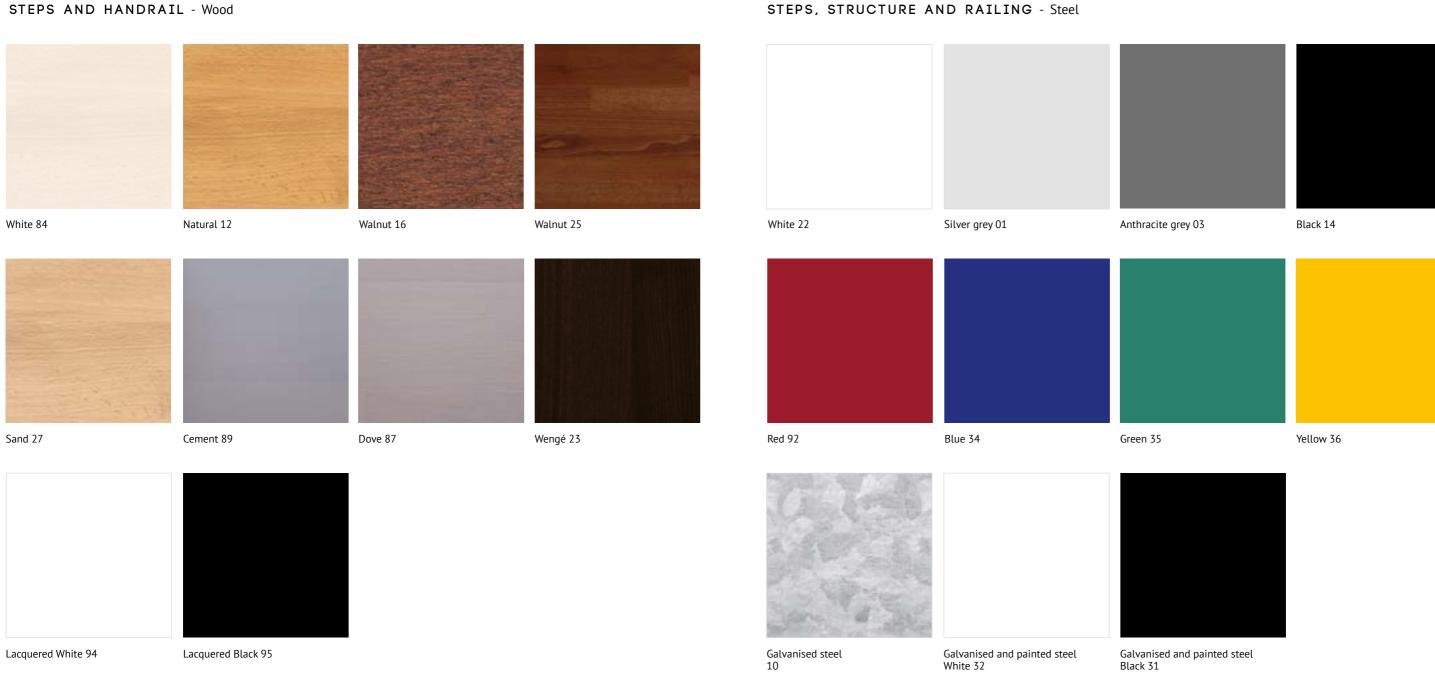
Extra step (with structure and railing).

Extra section of internal post (needed for heights over 10' 5 5/8" - 319 cm).

SMART DESIGN

COLORS

STEPS AND HANDRAIL - Wood







Stair Lab, Inc. 21 Rolling Ridge Road Stamford, CT 06903 203-817-0606

www.stairlab.com www.rintal.com