



COMPLETE
STAIR
SYSTEMS

BESPOKE SPIRAL STAIRCASES





2

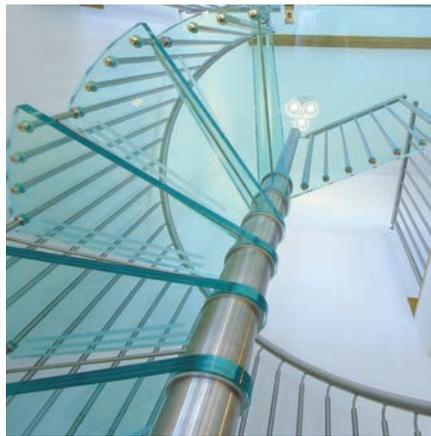


3

MODEL 71 TIMBER SPIRAL	4
MODEL 76 GLASS SPIRAL	8
BESPOKE SPIRALS	12
EXTERNAL SPIRALS	18
GENIUS SPIRAL	20



4



5



6

CREATE A STUNNING VISUAL IMPACT

Spiral Staircases have long been considered a focal point within a building and there are several iconic spirals in some of the world's most famous buildings. The swooping, twisting nature of a spiral has been admired throughout the centuries as a practical solution for tight spaces, as well being a stunning sculpture.

We supply both kit and bespoke spiral staircases to domestic and commercial clients throughout the UK and beyond. This brochure shows some of our favourite projects with many more to be found on our website - www.completestairsystems.co.uk. Our spiral staircase showroom in Romsey is open business hours during the week.



1



2



3

The Model 71 Spiral Staircase is a bespoke spiral stair, constructed with a steel centre column and timber treads. It is available in diameters from 1000-2400mm and can span multi levels if required. For strength, the timber treads are always hardwood, with beech, oak, maple, ash and walnut the most popular choices. It is a domestic spiral stair suitable for use as a primary or secondary staircase. Its modern, light and open appearance makes the Model 71 Spiral a real feature within a dwelling.

MODEL 71 TIMBER SPIRAL

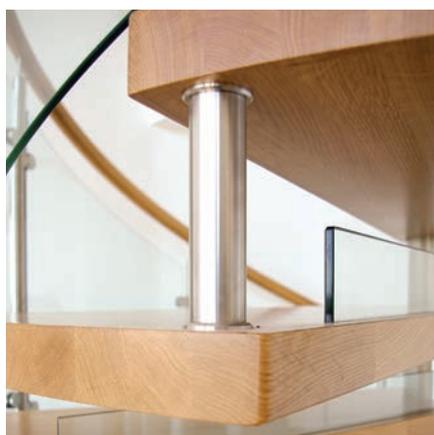
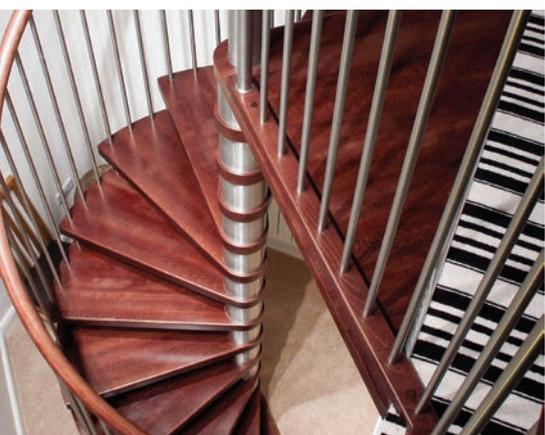
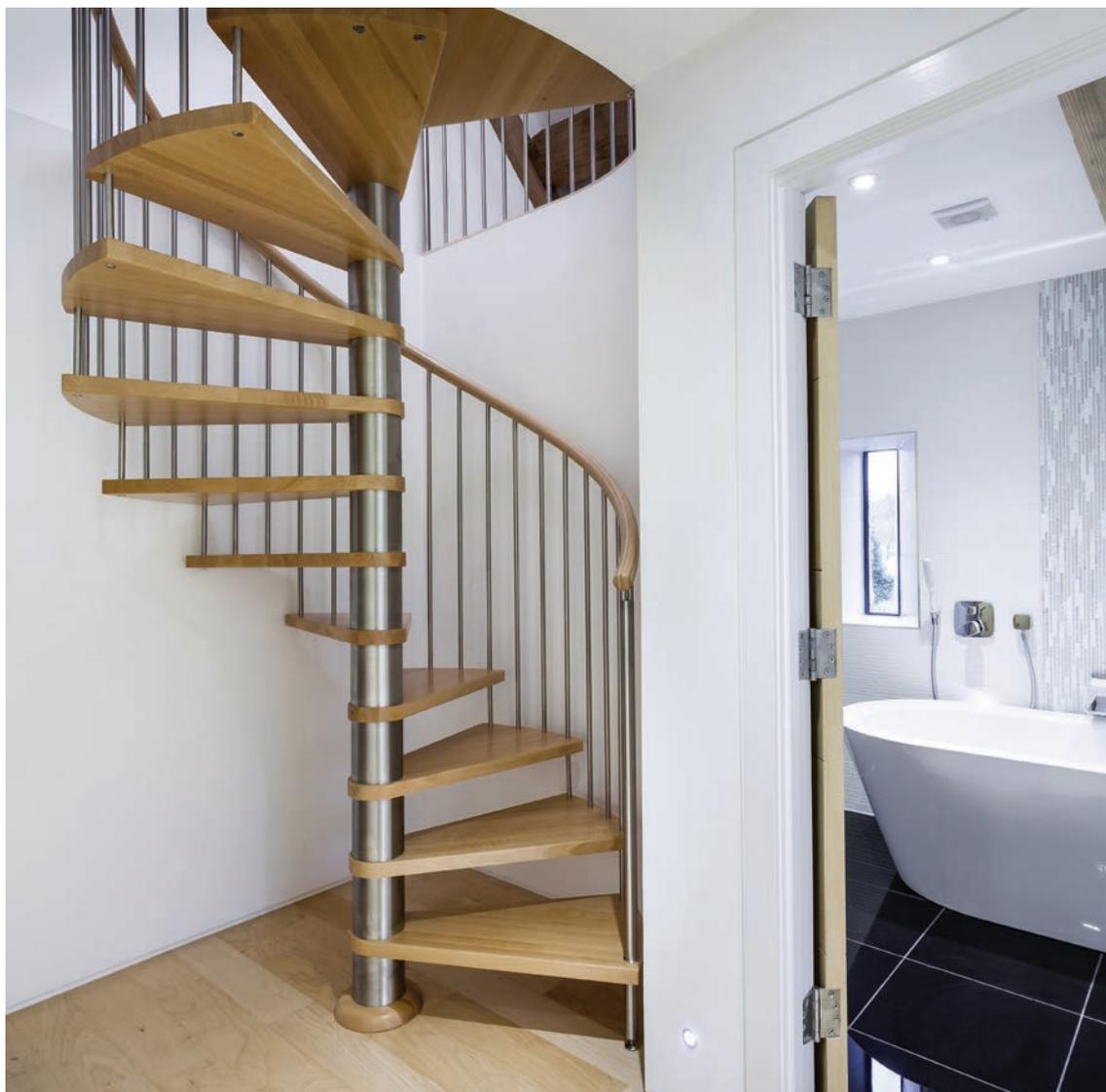




1



2



The Model 71 Spiral has several different balustrade types to choose from. The handrail is either timber, supplied in a single curved piece, or stainless / powder coated steel. The infill consists of stainless / powder coated vertical spindles or horizontal steel bars and there is also the option to have curved acrylic or glass panels wrapping around the perimeter for a really transparent feel.

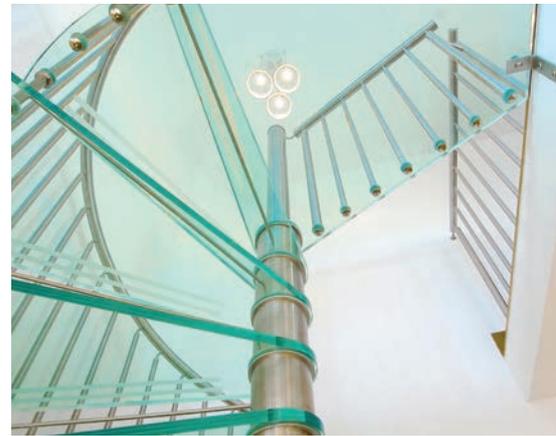
MODEL 71 TIMBER SPIRAL



2



3



4

MODEL 76 GLASS SPIRAL

Our Model 76 Spiral Staircase is the ultimate transparent staircase. It consists of laminated glass or acrylic treads with a polished or brushed stainless steel centre column. It is a bespoke product so each spiral is carefully plotted to ensure the entry and exit points are correct and that there is sufficient headroom.

“THANK YOU SO MUCH FOR ALL YOUR HELP THROUGHOUT THE PROCESS, I WOULD DEFINITELY RECOMMEND YOU TO ANYONE LOOKING FOR A STUNNING STAIRCASE!!”

Mr & Mrs Rees – Surrey



MODEL 76 GLASS SPIRAL

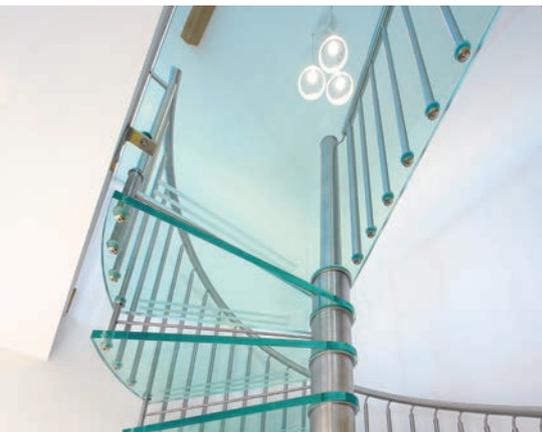


MODEL 76 GLASS SPIRAL

The handrail on the Model 76 Spiral Staircase is generally the same finish as the centre column (stainless steel or powder coated) and there is a choice of infills. Vertical steel spindles and horizontal rails are two popular options. Curved glass or acrylic panels are an option for those who want to further enhance the spiral's transparent feel.



2



3



4

MODEL 76 GLASS SPIRAL



BESPOKE SPIRALS

Our bespoke spiral staircases offer the most variety in terms of the sizes they are supplied in and the materials with which they are constructed. They are all based on a single steel centre column with steel tread arm supports and are then personalised depending on the application and client's preferences. They are widely supplied to the commercial market for use in offices, schools and restaurants and can serve as primary or secondary access within a home.



4

BESPOKE SPIRALS

3



"I WOULD HAVE NO DIFFICULTY RECOMMENDING YOUR COMPANY"

Mr & Mrs Prince – Romsey

BESPOKE SPIRALS

The treads on our bespoke spirals generally have a steel support plate which can be made to accommodate a vinyl or carpet inlay, a timber tread or even a laminated glass step. Of course, they can be left purely as steel with a chequer plate or non slip perforated finish. The balustrade options vary dramatically within this range with glass, vertical spindles and horizontal rails all very popular options coupled with a timber, stainless or steel handrail. For commercial applications a centre column handrail is added.



4

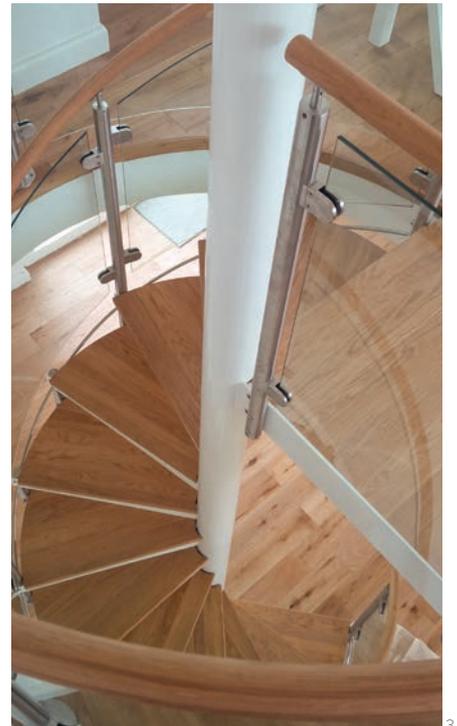
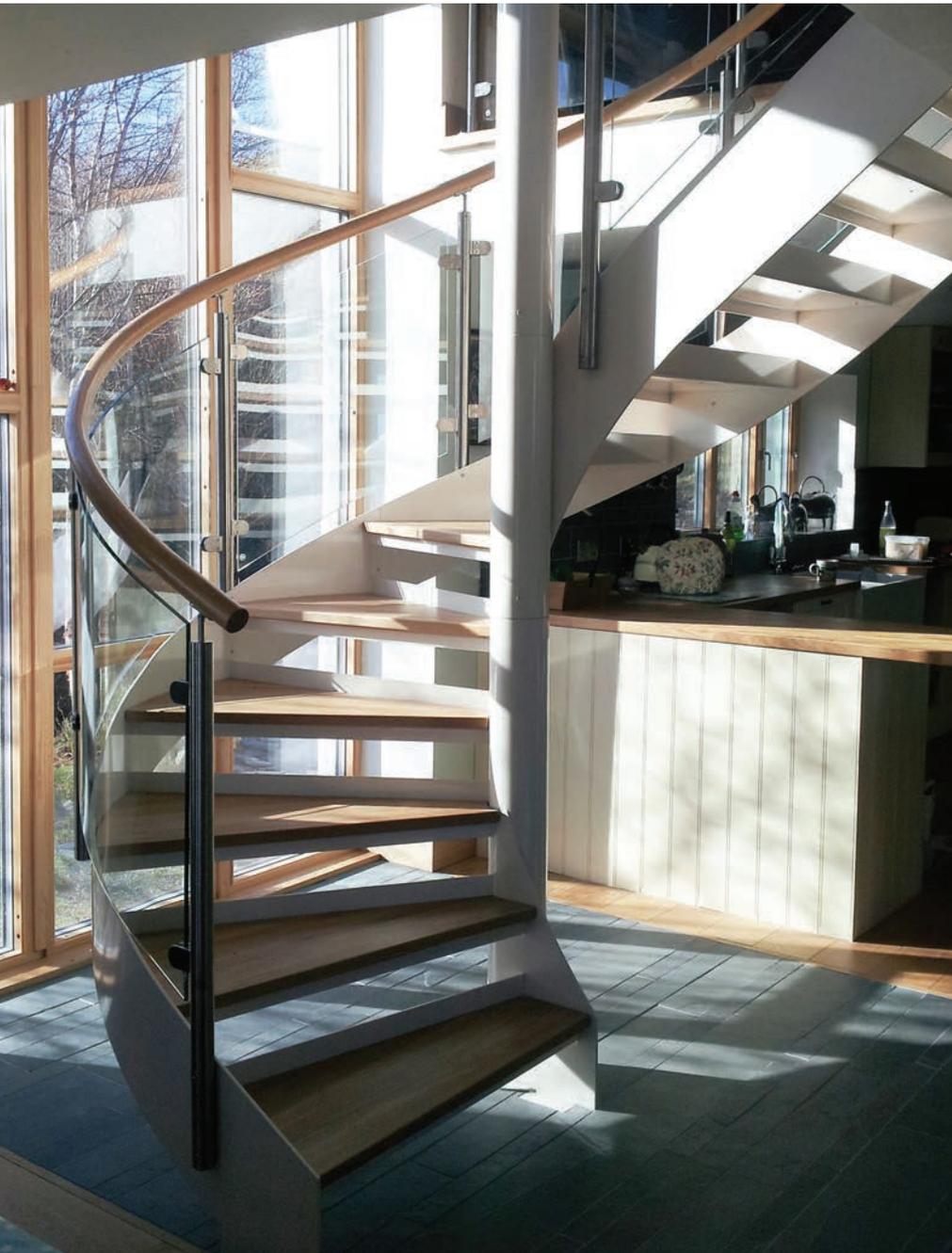


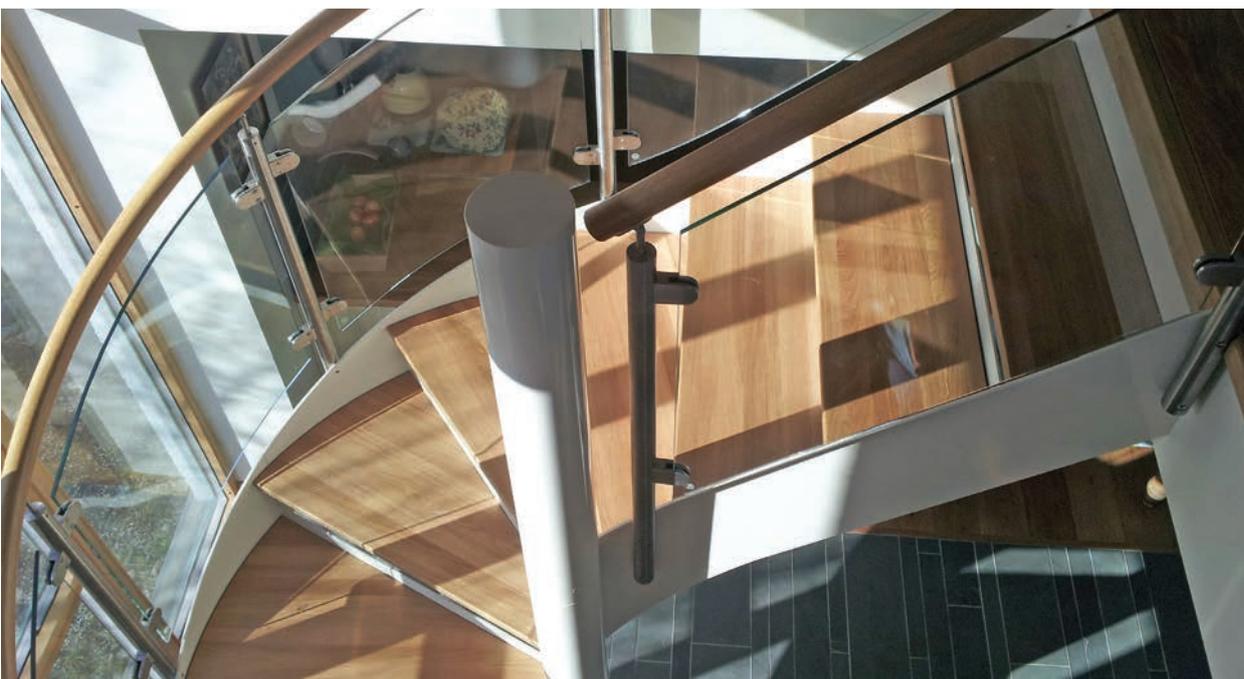
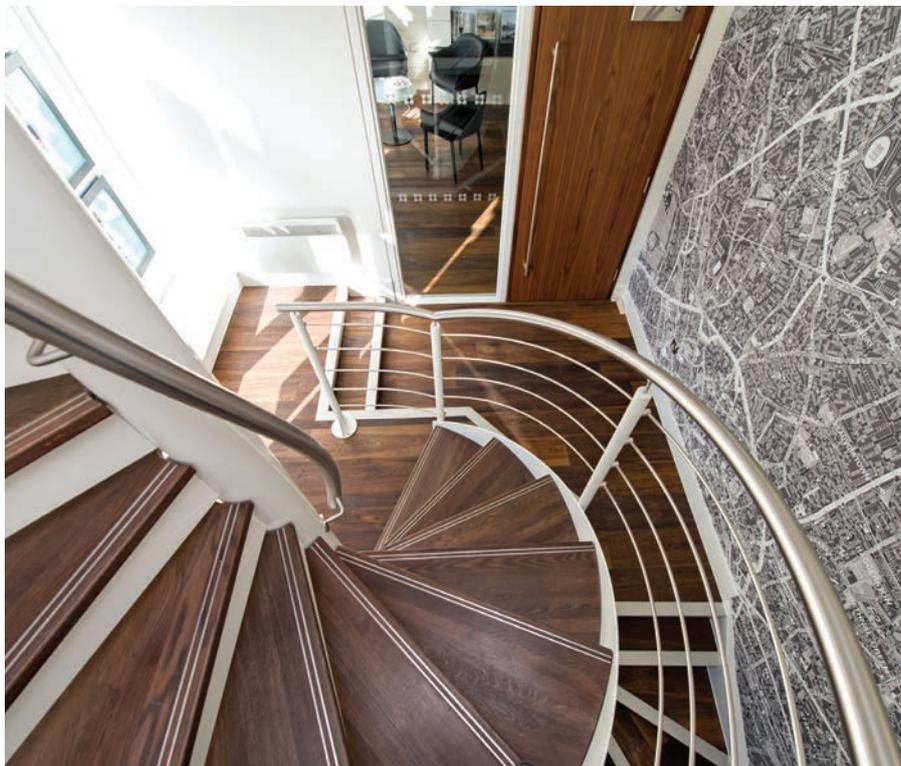
5



6

BESPOKE SPIRALS





Each bespoke spiral staircase is unique, with the rotation, depth and height of step and overall diameter carefully calculated upon order. Full drawings are prepared which are submitted for approval prior to manufacture. Depending on the complexity of the staircase and the materials chosen, delivery is around 7-8 weeks from drawing approval.

BESPOKE SPIRALS

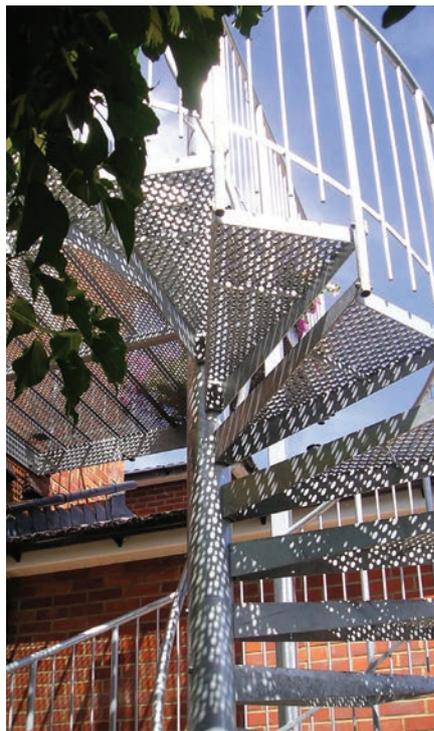


EXTERNAL SPIRALS

"I THINK
THE FINAL
PRODUCT IS
EXCELLENT-
SOMETHING
TO BE
PROUD OF"

Mr & Mrs Gray, Petersfield

Our external spiral staircases are supplied to both commercial and domestic clients. They make the perfect solution for accessing a balcony or serving as a fire escape in a tight location. Each model is made-to-measure so that the entry and exit points are unique to each project. The spirals can accommodate large platforms if necessary that can be used as a balcony. The treads are steel, either in a non slip perforated plate, chequer plate steel or steel grating and the balustrade is formed with vertical steel spindles or horizontal rails. These spirals are usually supplied galvanised but can be powder coated to any colour.



EXTERNAL SPIRALS



GENIUS SPIRAL



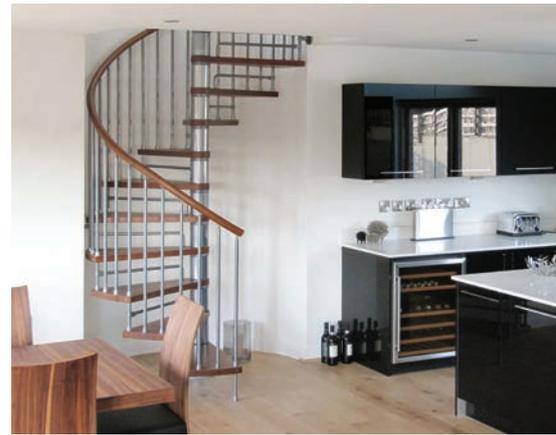
3



4



5



6

“ALL IN AND
LOOKS FANTASTIC
– THANKS FOR ALL
YOUR ATTENTION
TO DETAIL”

Mr Reid - Manchester

The Genius Spiral Staircase is a very versatile kit staircase which is economically priced and has a quick delivery period. Supplied as a secondary domestic staircase it has beech or ash treads which are factory stained to a number of different colours. The timber handrail is stained the same colour as the treads and there are a several choices of balustrade infills;- Vertical steel or timber spindles and horizontal rails. The steelwork is powder coated grey, dark metallic grey, black or white.

CHOOSING AND PURCHASING YOUR SPIRAL STAIRCASE

HOW TO GET A QUOTATION

Once you have looked through our spiral staircase brochure, be sure to have a look at our websites www.completestairssystems.co.uk, www.kitstairsystems.co.uk and www.spiralstairsystems.co.uk where you will see detailed case studies and many more examples of the products displayed in this brochure.

To work out a price we will need to know the model of interest, an idea of materials you would like, a floor to floor height and a diameter.

WHAT DIAMETER SPIRAL DO I NEED?

Usually the diameter required is drawn and specified by the architect and it alters depending on its usage. Logically, the general rule and regulations dictate that the more use and exposure a spiral is likely to receive, the larger it should be.

Typically a secondary spiral within a home will have a minimum diameter of 1500mm allowing for a 600mm clear walking tread width and a spiral acting as the primary stair within a dwelling would need to be around 1900mm diameter to obtain a 800mm clear tread width.

Commercial spiral staircases vary depending who will be using the spiral and the number of people it is serving. A small semi public staircase serving up to 50 people will typically have a 2000mm diameter and a spiral serving more than 50 people 2300mm or larger.

WHAT FLOOR OPENING DO I NEED?

The opening in the floor should be 100mm larger (in both directions) than the diameter of the spiral staircase required. This would mean a 1600mm square or circular opening in the floor would be required for a 1500mm diameter spiral staircase. This extra space will allow for a 'knuckle' gap either side of the spiral between the handrail and any wall and handrail and the edge of the floor.

Our spiral staircases all have a centre column located in the middle of the opening – not the side of the opening. It is a common misconception that a spiral will rotate around 180 degrees with the top step butting up against the edge of the floor upstairs. Spirals generally have a triangular or square platform at floor level which spans from the edge of the floor to the centre column so the opening required is often larger than people think.

WHERE DOES IT START AND FINISH?

The entry and exit point on a spiral varies depending on the number of risers, the diameter of the spiral and the shape of the top platform. Whether it ascends clockwise or anticlockwise will also have an impact. It is often crucial to get this element correct as there will most likely be walls or doorways that have to be avoided as well as considering the 'flow' of traffic within the property. The entry and exit points are best defined on a plan drawing which will be prepared on receipt of an order, as is the case for all our bespoke spirals.

LET US KNOW YOUR REQUIREMENTS
CALL **01794 522444**
EMAIL **INFO@COMPLETESTAIRSYSTEMS.CO.UK**

ANYTHING ELSE TO CONSIDER?

To comply with UK building regulations domestic spirals cannot have a gap of more than 100mm. To reduce the gap between the risers (the gap between each step) we have various infill options, many of which do not detract from the open feel of the flight. Due to the number of options, these infill pieces are usually priced as additional costs. Horizontal rails are normally not permitted as they are deemed climbable.

You might also require some matching landing balustrade around the opening on the upper level to prevent people falling into the void.

DELIVERY

All staircases are supplied in component form for assembly on site.

The Genius Spirals take between 1 & 4 weeks for delivery depending on the model and number of accessories ordered. The stair is supplied in a palletised box and will be delivered by a carrier equipped with a pump truck for offloading. The transport company will contact you the day before to advise on an AM or PM delivery.

All our custom made staircases take between 6-10 weeks to manufacture. These vary in how they are delivered, depending on the size and weight of the model. The majority of the spiral staircases are supplied on a pallet but some larger stairs have to be delivered by a truck equipped with a hoist crane.

Please be aware that production does not commence until drawings have been approved and any manufacture lead-in times quoted do not start until approval.

For further help and information please have a look at our terms and conditions or call the office.

SPIRAL BUILDING REGULATIONS

The document governing Spiral Staircase building regulations in the UK is British Standard 5395 part 2. This document is summarised in the table below with categories given for each spiral application and the relevant maximum riser heights and minimum widths. The table below is for guidance only – please check with your local planning authority for confirmation.

EXTRACT FROM BS5395 part 2	Minimum Clear Tread Width	Riser Height	Minimum Inner Going	Minimum Centre Going	Maximum Outer Going
Category A – Small Private Stair Secondary domestic stair intended to be used by a limited number of people who are generally familiar with the stair.	600mm – typical minimum diameter 1500mm	170-220mm	120mm	145mm	350mm
Category B – Main Private Stair Similar to category A but also providing the main access to the upper floor of a private dwelling.	800mm – typical minimum diameter 1800mm N.B – 900mm in Scotland	170-220mm	120mm	190mm	350mm
Category C – Small Semi Public Stair Small commercial stair providing access for up to 50 people. Intended to be used by those generally familiar with the stair. Centre column handrail required.	800mm – typical minimum diameter 2000mm	170-220mm	150mm	230mm	350mm
Category D – Semi Public Stair Intended to be used by large numbers of people, some of whom may be unfamiliar with the stair. Generally providing access for more than 50 people. Centre column handrail required.	900mm – typical minimum diameter 2300mm	150-190mm	150mm	250mm	450mm
Category E – Public Stair Large commercial stair designed to be used by many people at one time e.g. place of public assembly. Centre column handrail required.	1000mm – typical minimum diameter 2500mm	150-190mm	150mm	250mm	450mm

COMPLETE
STAIR
SYSTEMS

T : 01794 522444

E : INFO@COMPLETESTAIRSYSTEMS.CO.UK

WWW.COMPLETESTAIRSYSTEMS.CO.UK

WWW.TIMBERSTAIRSYSTEMS.CO.UK

WWW.KITSTAIRSYSTEMS.CO.UK

WWW.SPIRALSTAIRSYSTEMS.CO.UK

COMPLETE STAIR SYSTEMS LTD, UNIT 15 BELBINS BUSINESS PARK,
CUPERNHAM LANE, ROMSEY, HAMPSHIRE, SO51 7JF

Request your copy of our
Bespoke Staircase Brochure

