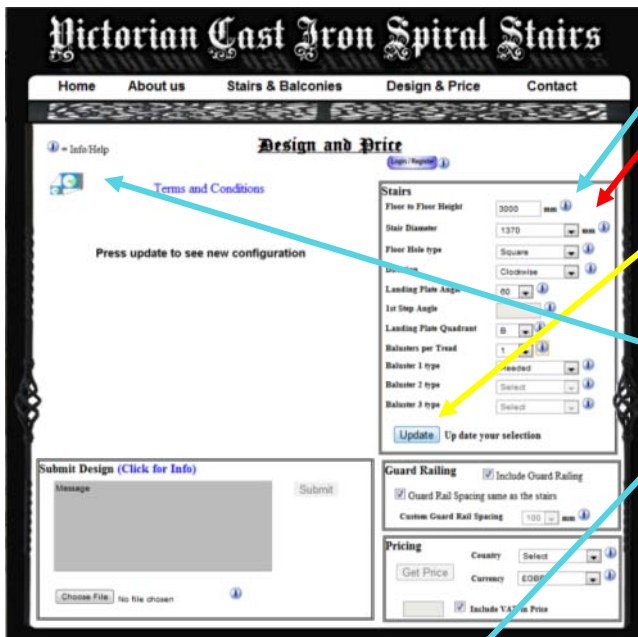



Victorian Cast Iron Spiral Stairs

Design and Price tool guide

Overview

This is the most important part of our website.



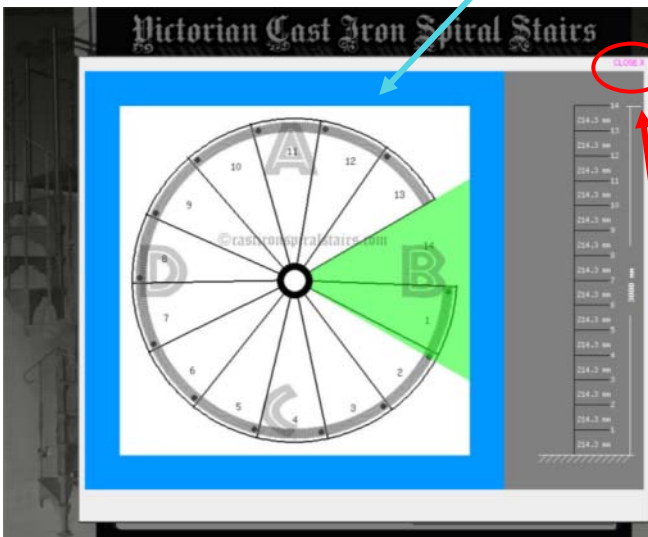
There are many help files and images available by single clicking any of the  buttons.

Inputting / selecting your stair dimensions and requirements into the stair section will cause the image to disappear.

In order to calculate and re-draw the image based on your requirements simply single click the "update" button

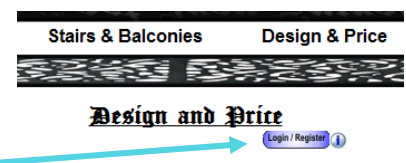
To view a larger version of the image single click the enlarge icon

By clicking on the enlarge icon the rest of the page is greyed out and the larger image appears.



This shows the number of treads, the direction of rotation, entry and exit point (numbered from the bottom going up the stair), landing platform configuration and the height of each step

In order to continue to browse you must click the close button

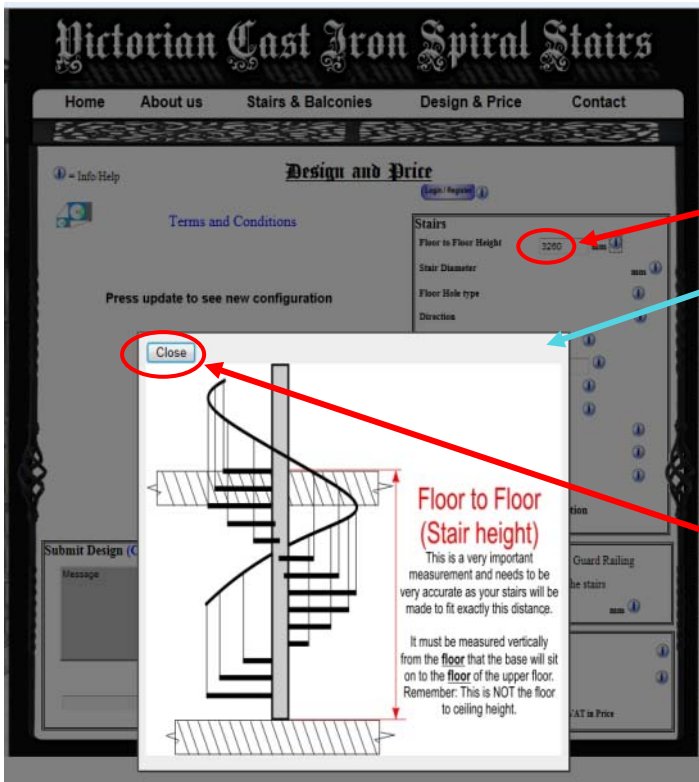


An important feature of this website is the ability to store and subsequently restore a previous estimate. In order to do this you will need to login by clicking the "login" button at the top of the page. If you have previously saved estimates these will be available once you have logged in again. Login ID is your email address. We will not divulge this to any other company

We will now go through every step of the tool explaining the function and the implications to your stair design.


Completing a design and costing

Stair height



By clicking on any of the input parameters the design image will disappear until the update button has been clicked. This can be done once you have input all of your requirements.

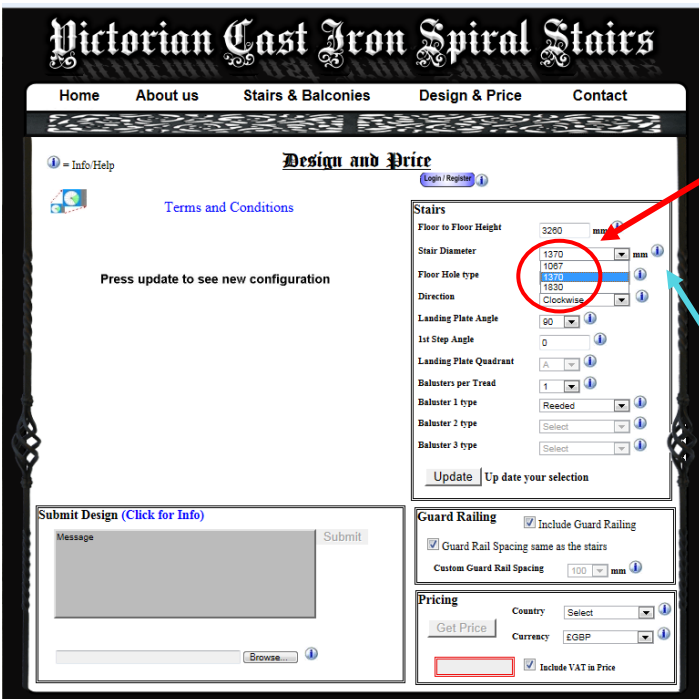
The first detail is the floor to floor height.

A full explanation is available by clicking the  button.

This is a very important measure to get as accurate as possible as this determines how many treads are required and the height of the treads.

Click the "close" button to continue inputting

Stair diameter




By clicking on the stair diameter input box you are presented with a drop down with 3 options

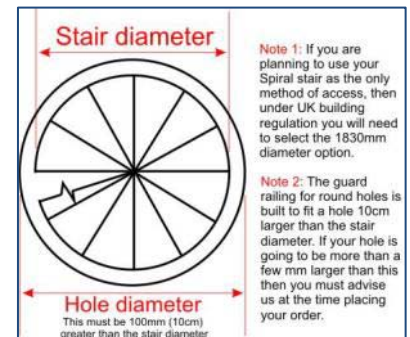
1067mm

1370mm

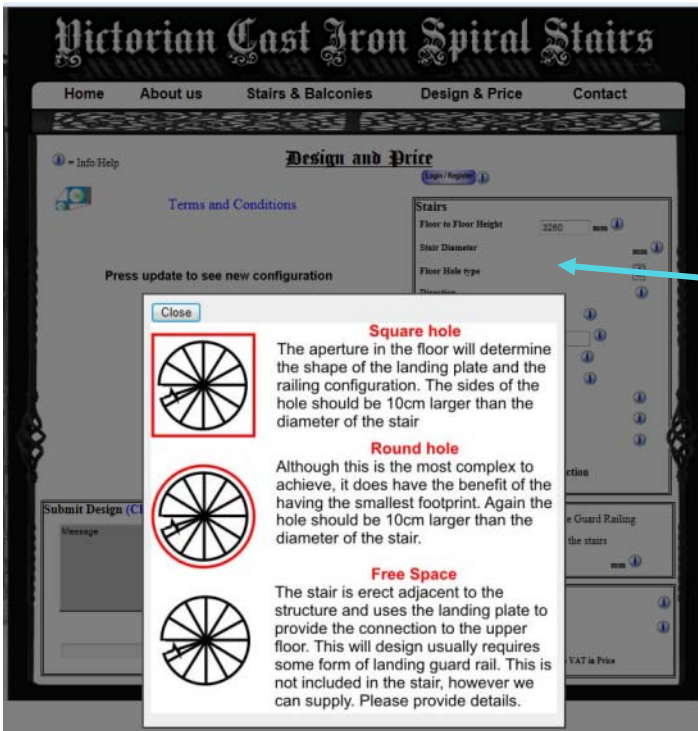
1830mm

These sizes are determined by the size of our castings and are therefore fixed.

If you need further explanation, by clicking the  icon you will open the help panel.




Floor hole type



By clicking on the Stair hole type input box you are presented with a drop down with 3 options;

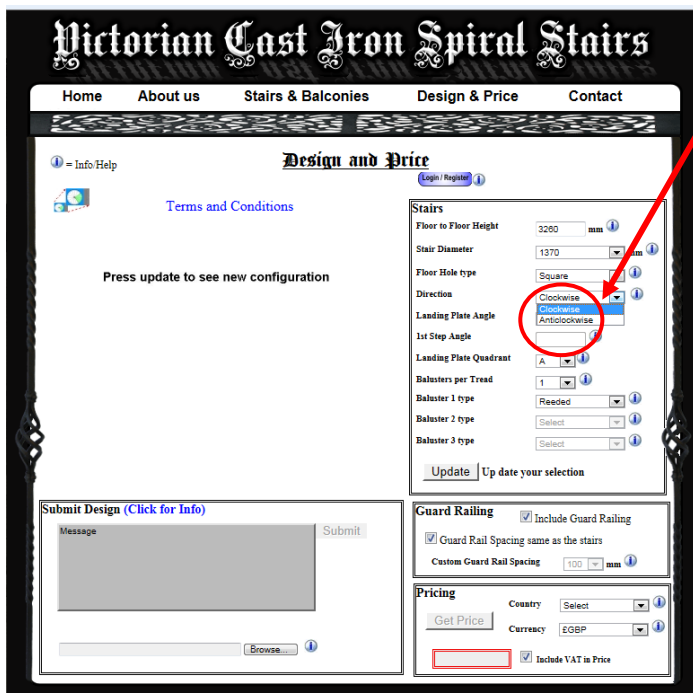
- Round
- Square
- Free space

The  icon reveals guidance on the 3 options

The stair hole type is given by the shape of the hole cut in the upper floor or "Free space" if the stair is not surrounded. For example to reach a mezzanine floor.

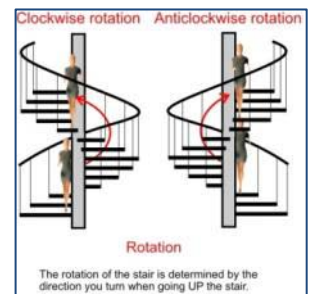
Please note that in the "Free space" situation you may need to provide additional details of the guard railing requirements. This should be done via the message bow and / or by attaching a document with details.


Direction



This is the direction of rotation of the stair. All our stairs are available with Clockwise and Anticlockwise treads.

The direction of rotation can often assist in working out the optimal entry and exit point of the stairs. Once you have input all of your details, look at the stair numbering to see how the stair will be entered and exited.



The direction is given going UP the stair 

Please note that the direction will not affect the price, however once a stair is built, it is not possible to change

the direction of rotation. So this parameter is not critical at the initial costing stage but must be finalised before placing your order.

Landing Plate angle

Victorian Cast Iron Spiral Stairs

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Design and Price

Stairs

Floor to Floor Height 3200 mm

Stair Diameter 1370 mm

Floor Hole type Square

Direction Clockwise

Landing Plate Angle 90

1st Step Angle 90

Landing Plate Quadrant A

Balusters per Tread 1

Baluster 1 type Reeded

Baluster 2 type Select

Baluster 3 type Select

Update Up date your selection

Submit Design (Click for Info)

Message Submit

Country Select

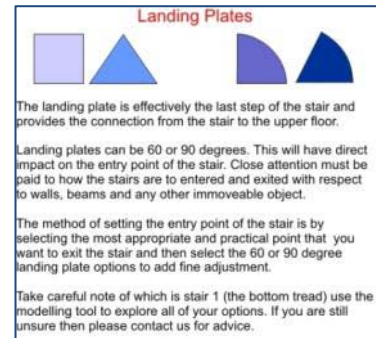
Get Price


Currency EGBP

Include VAT in Price

This is another drop down box with 2 options.

The landing plate is effectively the last step of the stair and can be cut to 60 or 90 degrees and connects the stair to the upper floor. Under certain circumstances it is also possible to directly connect the last tread without the use of a landing plate. Local building regulations will need to be consulted.



The  icon gives more detail

1st Step angle

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Design and Price

Stairs

Floor to Floor Height 3200 mm

Stair Diameter 1370 mm

Floor Hole type Square

Direction Clockwise

Landing Plate Angle 90

1st Step Angle 90

Landing Plate Quadrant A

Balusters per Tread 1

Baluster 1 type Reeded

Baluster 2 type Select

Baluster 3 type Select

Update Up date your selection

Submit Design (Click for Info)

Message Submit

Country Select

Get Price

Currency EGBP

Include VAT in Price

Close

First Step angle


The first step angle is calculated from the left hand horizontal axis.

By adjusting the first step angle you can change the entry point of your stairs.

Be aware that in changing the first step angle you will change the exit point.

Always consider the rotation of the stair as a method of changing the entry and exit points.

This parameter only applies to round opening stairs. It effectively rotates the hole stair in a clockwise direction by changing the entry point and therefore also the exit point.

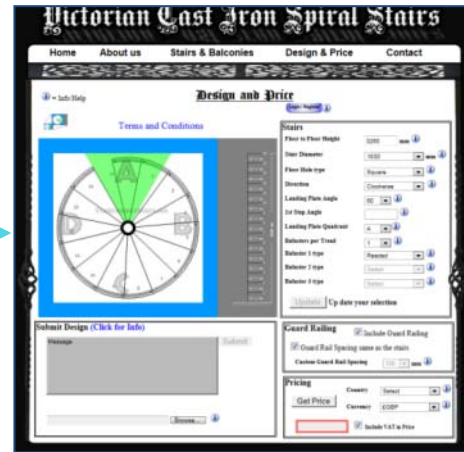
The angle can be set to any whole number from 1 to 359 degrees and is measured from the right hand horizontal axis (as illustrated in the  help image)

The results of making changes to this parameter are more easily seen once the update button has been clicked

Landing plate quadrant

This is only applicable to square hole and free space installations.

The available locations are given by letters, these are more easily visualised by clicking the “update” and then changing the option to the preferred outcome.




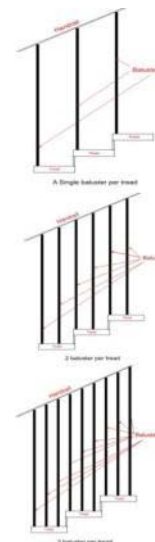
Balusters per tread

Depending upon the number of balusters per tread selected the “Baluster type” drop down will be available as applicable.

Note that it is not possible to have 3 balusters if you wish to selected one or two Charlcote panel(s) therefore under these circumstances the 3rd type will not be available.

Apart from personal choice the number of balusters required is very much down to local building control. In the UK it is common to be granted some “easement” of the regulations depending upon the installation use and location.

There is a lot of information available in terms of the baluster design with the “Stairs and Balconies” pages of this website as well as general guidance within the help  icon.



Number of baluster per step

The gap between balusters depends upon the diameter of the stair, however as a rough guide

- 1 per tread have 320mm gap
- 2 per tread have 150mm gap
- 3 per tread have 100mm gap

Please note: Because of the width of the Charlcote panel, this can only be used in a 1 or 2 balusters per tread. when used with any of the other baluster designs (this give a 100mm gap).

Baluster type

Baluster 1 - This can be selected from any of the balusters and is the baluster that goes at the front edge of the step.

Baluster 2 - This can be selected from any of the balusters and will be the middle baluster if you are using 3 per tread or the rear one if you are using 2 per tread.

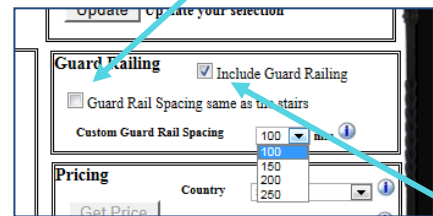
Note: If you have selected a Charlcote panel for your first or second baluster then you will not be able to select a 3rd baluster. This is because the Charlcote panel is over 100mm wide.

Baluster 3 - Providing you have not selected a Charlcote panel for position 1 or 2 then you can select any of the baluster as the rear baluster on the tread.

Guard railing



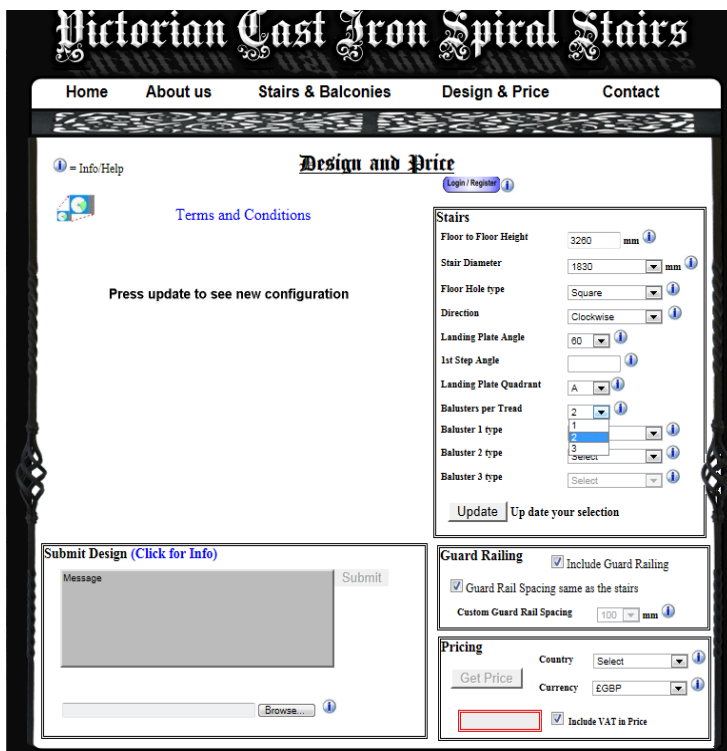
The standard guard railing is calculated based upon the input parameters for your stair. If however you want to change the balusters spacing then deselect the “Guard rail spacing....” tick box and select your required spacing.



If you want a completely bespoke guard rail then all you need to do is deselect the “Include guard railing” tick box and submit your alternative requirements with the stair design and we will get back to you with a costing.

You can change any of the input parameters to see the effect on your design, clicking on the update will redraw the 2 dimensional drawing. It will also re-calculate the materials required ready to generate an estimate of the cost.

Get Price



In order to complete the estimate process we need to know the following additional information.

-What currency you want your estimate to be calculated in? (GBP, USD, Euro's)

-Where you are going to want the stair delivering to?

-If you want tax included in your estimate?

Please note. You will need to either be outside the EU or have a valid EU vat number if we are going to be able to supply without UK vat.

We try to include all costs in order to provide a complete and total estimate (NO nasty hidden surprises).

If the get price button is greyed out then make sure you have clicked the update button and that all the required fields have been completed.

Submit Design

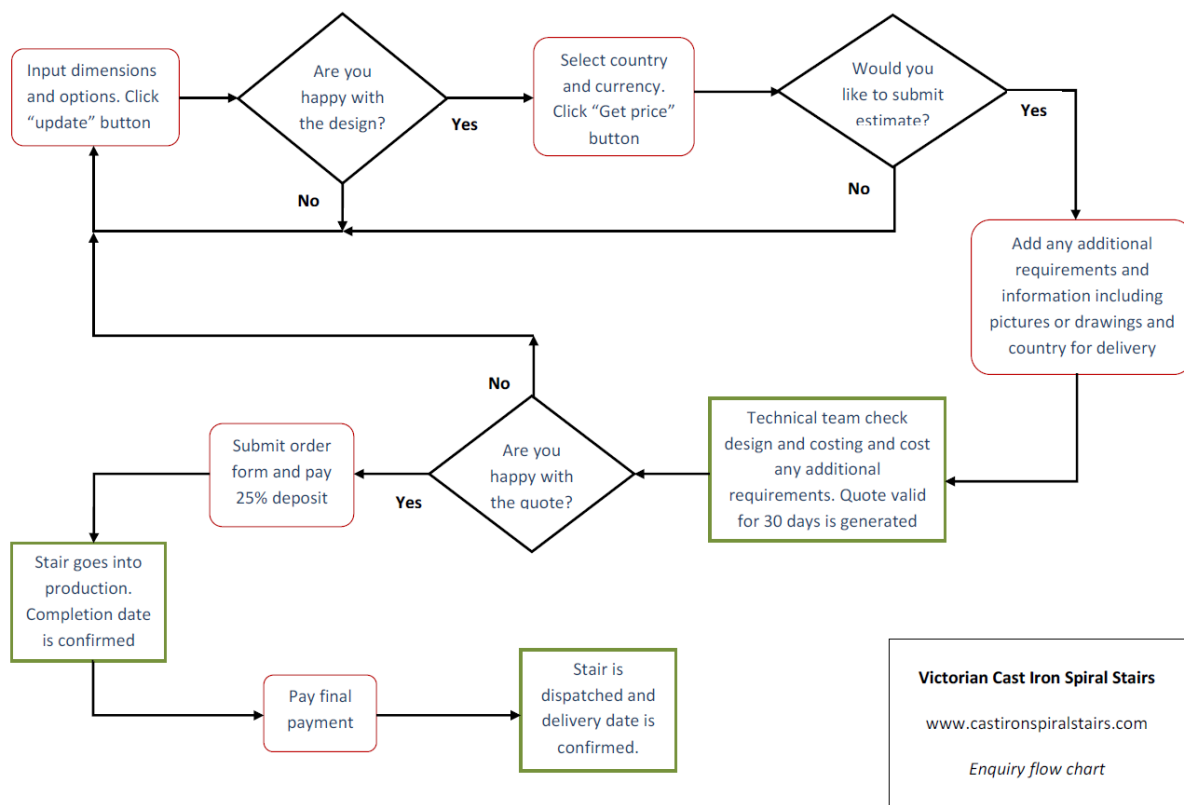


Once you are happy with your stair configuration and price, the next step is to have your design approved by our technical department. This is done in order to try to make sure that the design and price is correct and that the stair will meet your requirements. In order for us to do this it is helpful if you provide us with as much relevant information as possible.

The submit button will remain greyed out until the “update” has been done and the “get price” completed

This can be done via the text box or for more information attach pictures, diagrams, drawings and specifications by clicking the “browse button and locating the files on your PC.

To follow is simplified flow chart of how our process works.



Although we have attempted to cover as many aspects of a spiral staircase design as possible we acknowledge that there are many aspects that may require non standard parts or configurations. Because we manufacture every element of your spiral stairs, this is not a problem. Simply get in touch and let us know your requirements, we will do our best to meet your needs with a top quality product at a real value for money price.