

# Standard Structure Timber Staircase

COMPLETE  
**STAIR**  
SYSTEMS

The word 'Standard' refers to the conventional double stringer support structure but these timber stairs are by no means 'standard' in appearance. Constructed with 2 x 42mm solid timber stringers, these models can be supplied in a traditional style as well as contemporary. They are manufactured as straight flights, quarter turns and half turns and can incorporate Volute handrail designs and glass panels (for example). Please have a look at the full range of balustrade options to personalize your staircase.



Chiswick



Alton



Burley



West London





Cambridge



Braishfield



## TRADITIONAL STAIRCASE SPECIFICATION / OPTIONS

WIDTH	-	600 - 1200mm Custom Made
FLOOR TO FLOOR HEIGHTS	-	up to 3500mm in a single flight
TIMBERS	-	Beech, Oak, Maple, Ash....- virtually any hardwood or softwood
BALUSTRADE	-	various options including stainless steel, iron, timber and glass panels
HANDRAIL	-	7 different options
NEWEL POST	-	6 different options and 5 different post top options
STRINGERS	-	2 x 42mm timber Stringers. painted white or varnished / oiled as stair
LANDING BALUSTRADE	-	Available to match stair

COMPLETE  
**STAIR**  
SYSTEMS

Romsey , Hants - 01794 522444

[www.timberstairsystems.co.uk](http://www.timberstairsystems.co.uk)

[sales@timberstairsystems.co.uk](mailto:sales@timberstairsystems.co.uk)

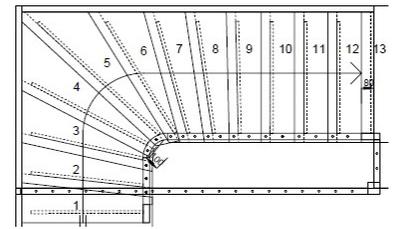
## Why Us?

COMPLETE  
**STAIR**  
SYSTEMS

Our solid timber staircases are constructed in a different manner to the conventional UK made staircase in a way that eases ascent whilst being more aesthetically pleasing, creating a stunning 'WOW' factor. In addition to the familiar standard 'double stringer' design there are four further support structures to choose from to add character and style to the staircase. CNC machinery is used for millimeter accuracy with some of the finer details created by hand.

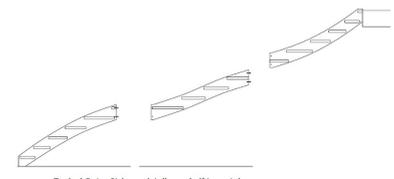
## More winding treads = smoother ascent

A traditional UK made timber staircase will have 3 or 4 winding treads forming a 90 degree turn. Our ¼ turn and 1/2 turn timber staircases create each 90 degree turn with 5, 6 or 7 winding treads. These treads are not compacted in within the 'square' of the turn but spread from several treads before and after the turn as shown on the plan drawing to the right. You can see that treads 2-8 are angled, ever so slightly. With this type of construction, the ascent of the staircase is much smoother with the 90 degree turn more gradual and more evenly spaced. Much less 'harsh' than with a standard 3 tread winder design which creates quite an abrupt turn.

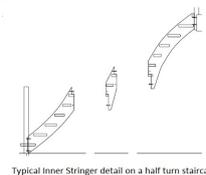


## Curved Stringers = visually striking

Our ¼ turn and ½ turn timber staircases that have the above unique winding tread design also have specially shaped stringers. As there are more winding treads spread over the staircase making each turn, the going measurement (depth of each step) varies dramatically as it joins the stringer. The stringer therefore has to be shaped to accommodate this change in going and results in a stunning, **swooping curve** when view from the side. The handrail follows this curve, 900mm above the stringer. Should the timber staircase consist of glass panels, then these panels will also be shaped to match the curve, overall creating a real design feature to the staircase instead of the standard flat, straight stringers. The elevation drawings to the right show this design on a half turn timber staircase.



Typical Outer Stringer detail on a half turn staircase



Typical Inner Stringer detail on a half turn staircase

## 42mm thick timber = solid reassurance

All stringers and treads are **42mm solid timber** on our bespoke timber staircases, as standard. Many companies use 25-33mm thick timber which we feel isn't thick enough to give that really solid, reassuring feel you would expect from a solid timber staircase. **We don't use ply** and MDF is only used to clad solid timber, if the part is to be painted – to give a true, grain free finish.

## No squeaking treads!

The stringers on our 'standard' structure timber staircases are mortised to take the treads with the treads then securely screwed in place from the outer side of the stringer. Treads are cut-out to 'slot' into the stringer providing a firmer joint and secure connection. Many competitors will only use one of the above construction methods resulting in slight movement between the tread and stringer, eventually causing a 'squeak' as the timbers rub together. In addition to the physical joint, silicon should be added to provide tolerance for any movement in the timber as it reacts to surrounding light, heat and moisture conditions.