

## Timbers

**Pine** is a slow grown Scandinavian timber, an economical timber suitable for staining and painting. All knots in the timber are sound.

**Hemlock** is a straight-grained clear, nearly knot free timber. It is especially attractive since it will varnish to a rich golden colour. Hemlock is of uniform density and will take stain easily with the minimum of colour distortion; it is easy to use and does not split or break whilst being worked, being less brittle and therefore stronger than many hardwoods.

**Southern Yellow Pine** has distinctive character in both colour and grain. Although generally clear, a limited number of small knots are permitted. Grown in the Southern United States, it enjoys the reputation of being exceptionally strong and has a high resistance to wear. Whilst relatively easy to work this wood is comparable to hardwood species such as Oak for strength.

**Mahogany/Sapele** is a West African hardwood, with a reddish brown colouring, typical of Mahogany. This fairly close textured timber is harder and heavier than both American and South American Mahogany. As with any product, variation in colour is to be expected.

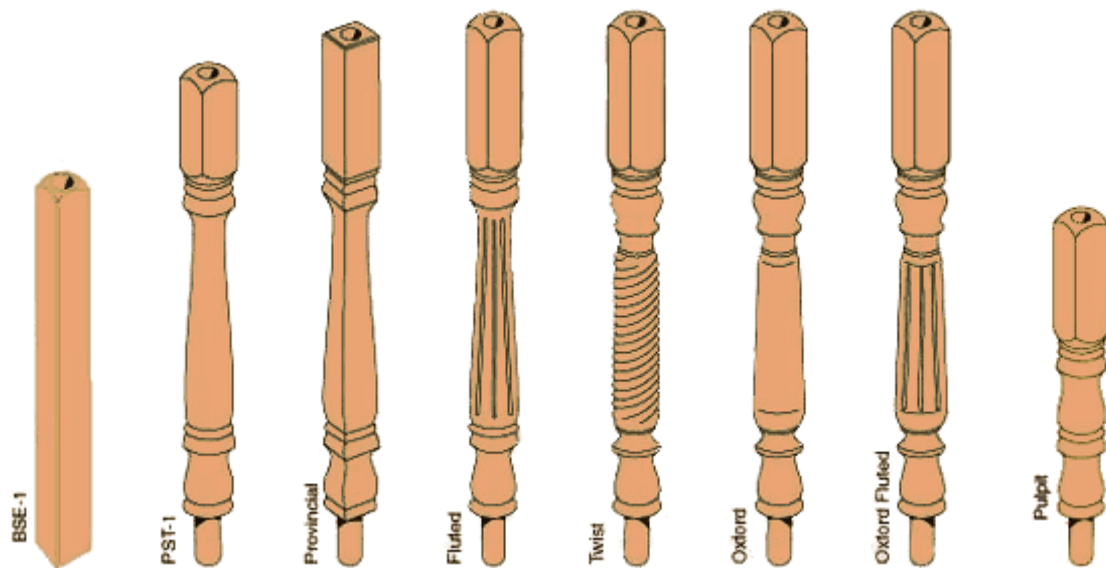
**Oak American White.** A strong, heavy hardwood grown in the Eastern half of the United States. Due to the high costs of large sections, newel posts and handrails are laminated, careful attention being paid to grain matching.

**Ash American White.** A quality American hardwood, Ash can be stained and polished to a very good finish

## Newel Caps



## Newels



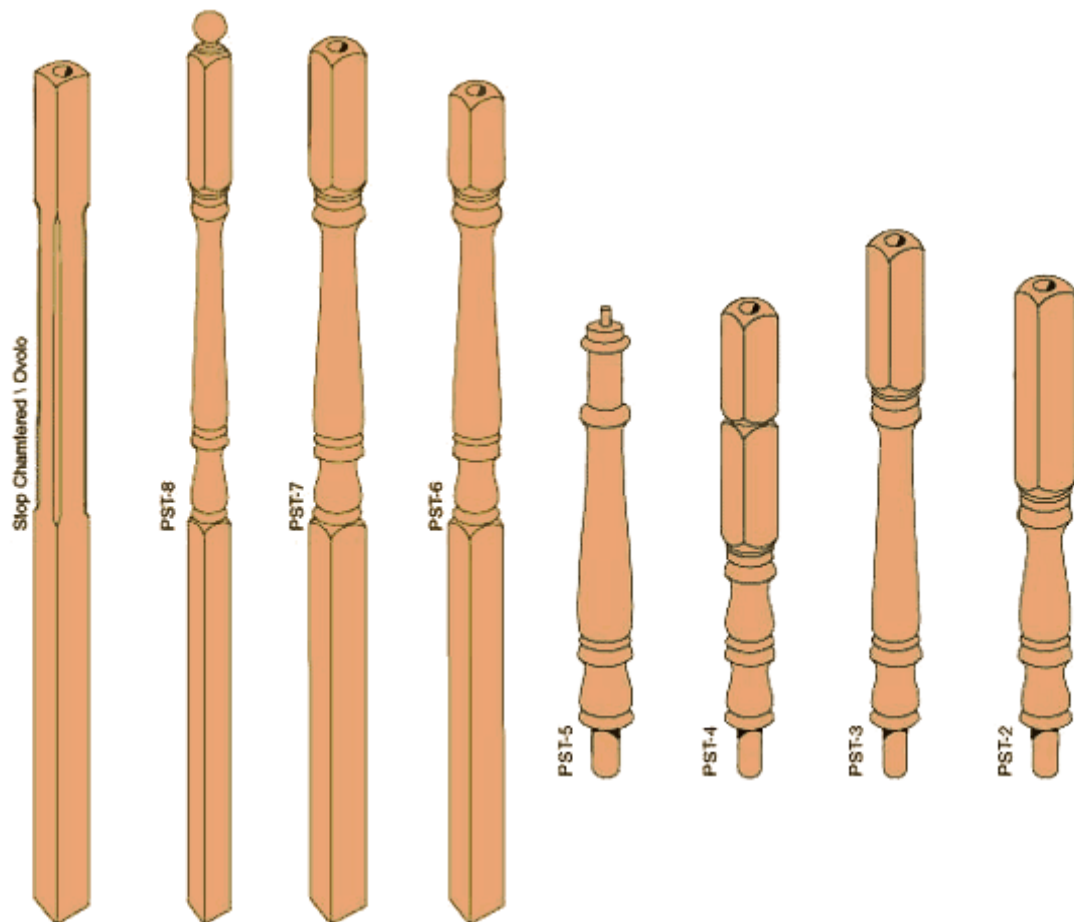
**Pulpit Newel** - This is a shortened PST-4 and might be required where an up coming hand rail meets the post below the turning, e.g. on the inside corner of a 90° winding turn.

### One Piece Newel Posts

The integral base means that the posts can be used both at the top and the bottom of the staircase. Additionally, the posts can be cut to fasten centrally with the first riser, or, with the second riser as with a bull-nosed step etc. Please note that for an additional charge, both head and base lengths of the above posts can be adjusted to customers own specifications.

All newel posts in American White Oak are laminated to produce a very stable product, careful attention being paid to grain matching.

Newels are designed to suit nearly every staircase configuration. Modular construction allows maximum flexibility and is especially useful where conversion or refurbishment work requires that existing newel bases be retained. Newel posts provide the basic strength and structural integrity for each stairway handrail system.



### Newel Posts Typical Uses

- PST-1 Opening newel at the bottom of a staircase.
- PST-2 Special situations where hand rails meet at different heights.
- PST-3 Used in landings, especially where the horizontal landing rail meets an up coming sloping hand rail.
- PST-4 Used on the inside corner of quarter landing where the staircase turns through 90 degrees.
- PST-5 Used in conjunction with the range of continuous hand rail fittings.

### Newel Bases

**BSE-1** - Bases are supplied in four standard lengths: 500mm, 700mm, 915mm and 1375mm. Longer bases are available on request.

**All newels, caps and bases are available in halves for wall fitting.**

**All newels 90mm<sup>2</sup>.**

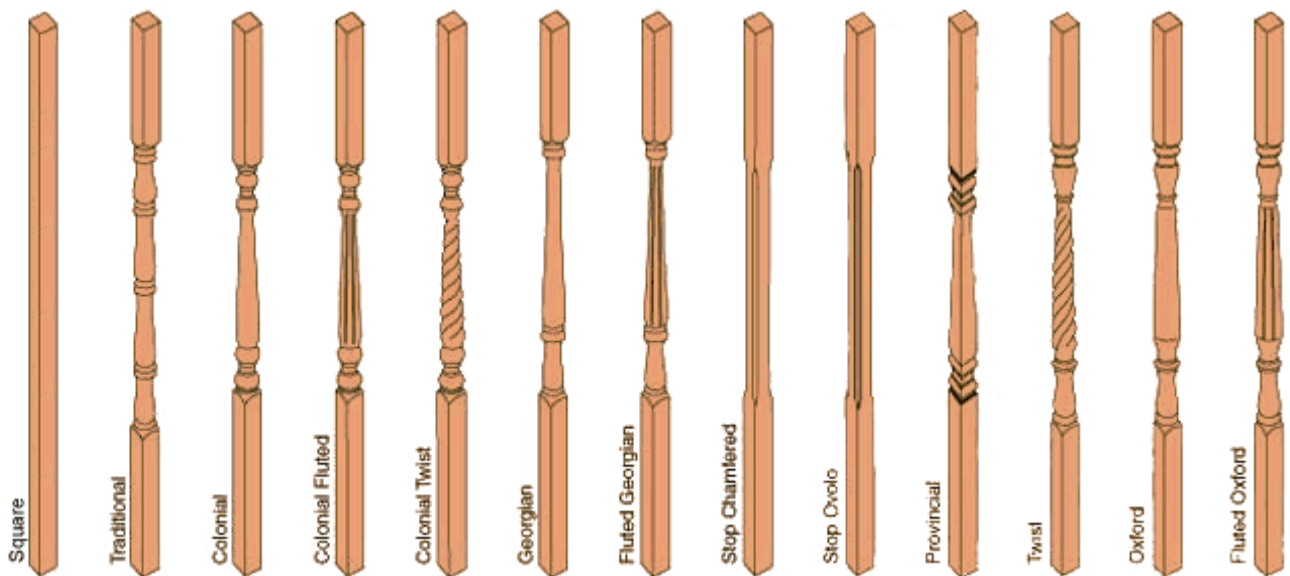
**'Flute' and 'twist' options are available on most newels.**

## Spindles

Spindles are supplied in a range of patterns to suit different tastes and styles and are designed to match newels. Most patterns come in two lengths: (900mm & 1100mm) and two sizes: (35mm<sup>2</sup> & 41mm<sup>2</sup>).

### Calculating The Number of Spindles

Allow 2 spindles per tread, and 1 per tread where there is a newel. On a landing, measure the horizontal distance between newels in mm (max recommended run between newels is 2.4m) and divide by: 115 for 35mm spindles and 121 for 41mm spindles.

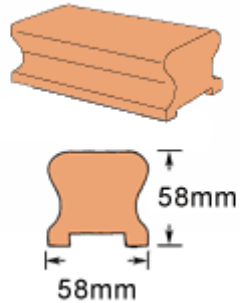


### Reducing Spindles

These are used where the stair meets the ceiling under a landing and can be made to measure in any pattern. Each successive spindle is usually 100mm shorter than the last.

## Handrails & Baserails

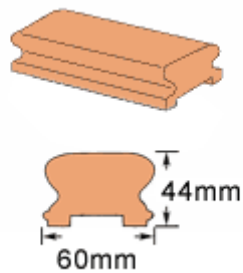
### THR Handrail



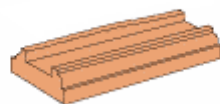
The superb handrail gives that final touch of elegance that will delight any house owner.

### LTHR Low Profile Handrail

The only fitting available to match this profile is HTRN.



### TBR Baserail

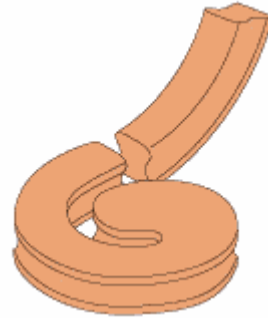


Both handrails and baserails come with 35mm or 41mm slots. Infill is available in both of these sizes in standard lengths or precut packs.

### R/H-Vol Volute

(L/H available)

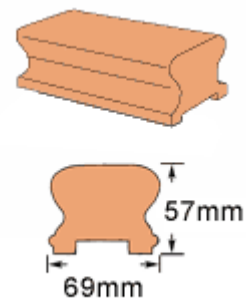
Up ramp included but not joined.



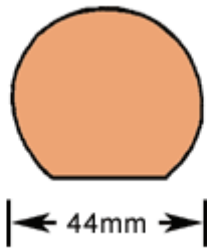
### PST-VOL Volute Newel

Four 1100mm spindles are required to complete the volute fitting. A curtail step is also available.

### Traditional Handrail



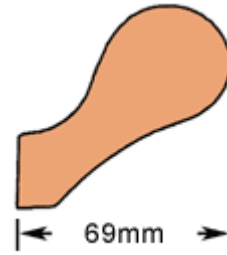
**Mopstick Handrail**



Infill Strips not required.

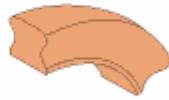
**DR Down Ramp**  
(Also available at 90°)

**Pig's Ear Handrail**

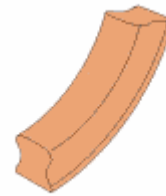


Infill Strips not required.

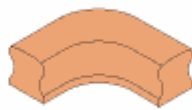
**UR Up Ramp**  
(Also available at 90°)



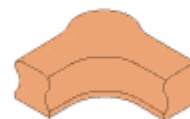
**HTRN Horizontal Turn**



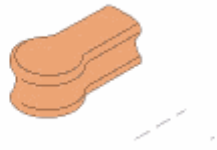
**HTRNCPTN Horizontal Cap Turn**



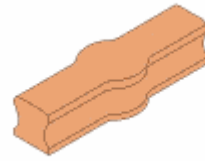
**OP-CAP Opening Cap**



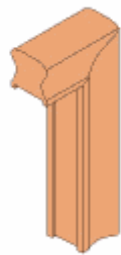
**STR-CAP Straight Cap**



**VT Vertical Turn**

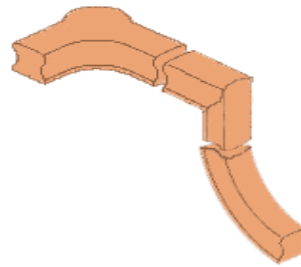


**Gooseneck**



**Scroll**

Use at end of wall-mounted solid handrail.



The fittings shown above can be completed by using a **Horizontal Cap Turn**, a **Vertical Turn** and an **Up Ramp**. All pieces supplied disconnected.

