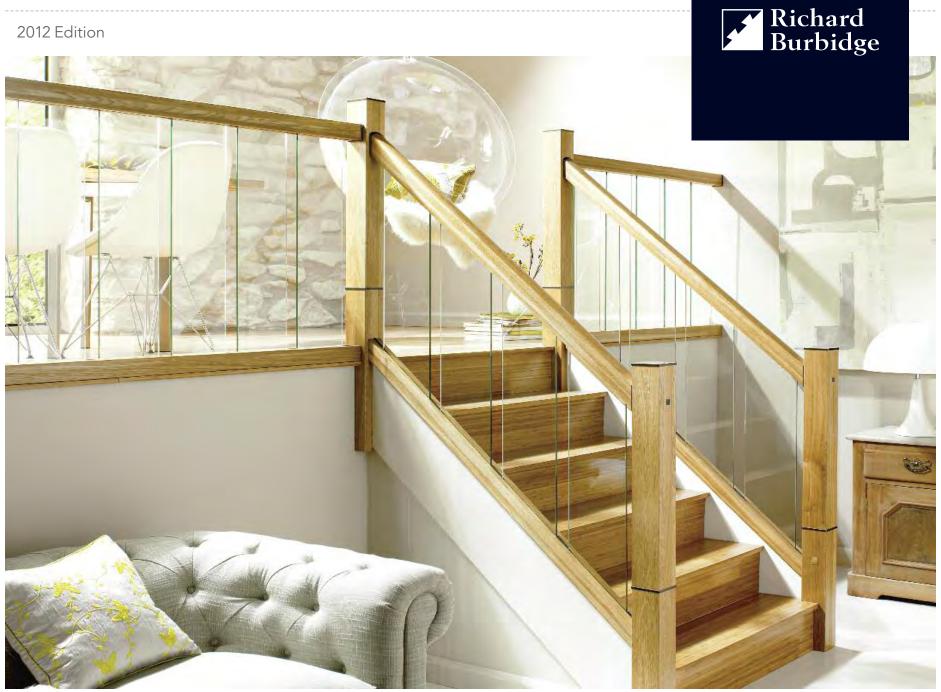
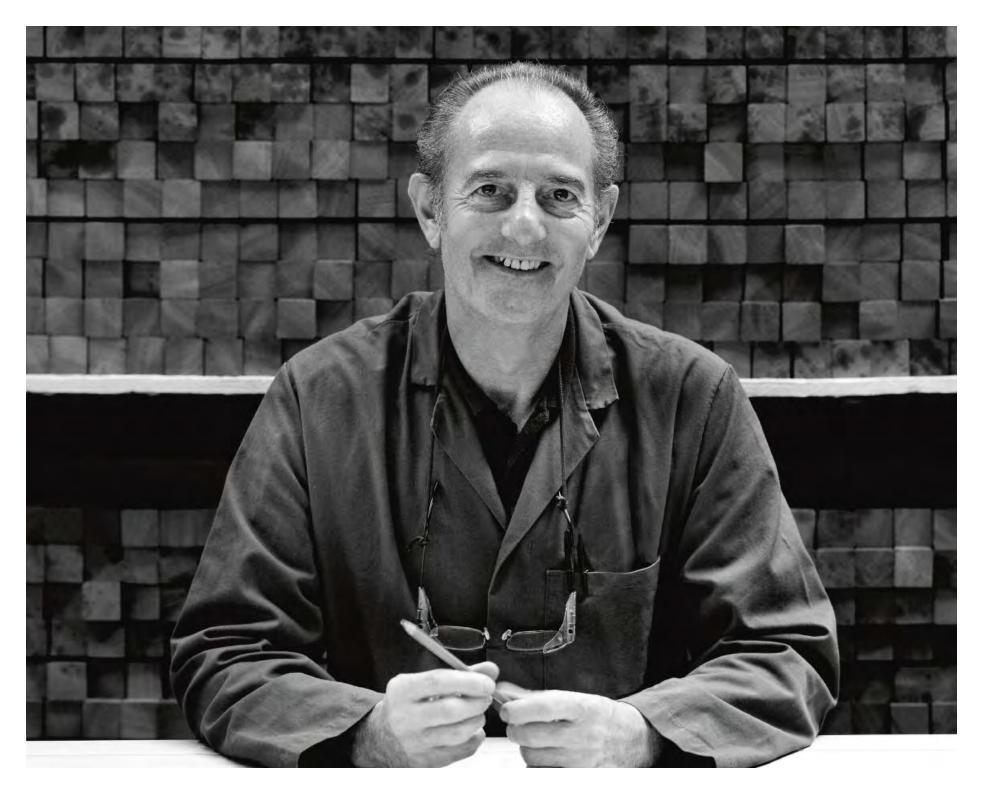
Trade Brochure

2012 Edition





How long does it take to create timeless beauty? About 140 years.

Experience is an invaluable commodity. It provides all the knowledge and skills necessary to make a job easier. And the Burbidge family have over 140 years' worth. So when you admire the quality and craftsmanship in any product from Richard Burbidge, it's easy to forget the woodworking skill and sheer passion that goes into it. But it's been at the heart of our family's business since 1867. Today, our people – like Eddie – are also committed to developing new designs and innovative systems for inside and outside the home; and to providing you with truly outstanding levels of individual service.

Whatever your project, together we'll help make it happen.

How to make an entrance grand.

It's quite simple really. Just take a look at the Richard Burbidge range of domestic and commercial stairparts. With such a huge choice of styles, materials and detail options, it's easy to totally transform a hallway, foyer or open space. The same is true of our choice of outdoor decking and balustrade...and our vast selection of mouldings. Because the fact is, with Richard Burbidge you'll find everything you need to make any job, whatever the size, just perfect. And this brochure is the perfect starting point.

We're here when you need us

We're proud of being a family-run business, not a faceless plc. So you can always call on us for any help you need. If you're at the planning stage, we offer a complete bespoke planning service to help you make the right decisions – as well as our easy-to-use online STAIRPLANNER™. We've a whole team of friendly customer service advisors to help you with any problems you might have, or if it's a technical issue once your project's underway, our support team is just a call away.

Whatever you need, including technical help for example, you can reach us on the number below. Or you can ask us any questions online, via our website (just go to the 'technical helpdesk' section).

Customer services +44 (0) 1691 678300

Technical helpline +44 (0) 1691 678212

www.richardburbidge.com

We care where our wood comes from

As you'd expect of a major timber company, we're very careful about where we source our wood from. All the timber we use comes from legal sources, with an ever-increasing amount from certified sustainable forests. But our responsibilities go deeper than that, as we also make sure our business operations reduce their negative impact on the environment.

Our operations are assessed to strict ISO14001 standards as part of this. You can find full details of our environmental and social policies at www.richardburbidge.com

NEW FOR 2012

$\operatorname{Immix}^{\operatorname{TM}}$ with Glass Panels	page 26
FUSION® Walnut	page 30
$Elements^{TM}withMetalBalusters$	page 42
Wall Mounted Handrail Options	page 82



FSC Certification

FSC (Forest Stewardship Council) is an independent, not-for-profit organisation concerned with the responsible management of the world's forests.



PEFC Accreditation

PEFC promotes sustainable, socially beneficial and economically viable management of forests for present and future generations.

The following products feature in the image on the front cover

Stair Balustrade – Immix page 28

Flooring – Contact Atkinson & Kirby www.akirby.co.uk or 01695 573234

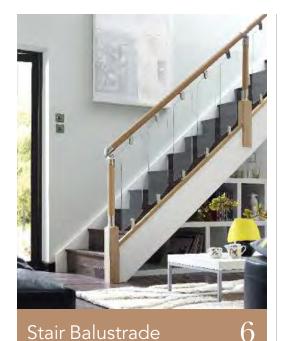
Richard Burbidge® and FUSION® are registered trademarks of Richard Burbidge Ltd. STAIRPLANNER™ & DECKPLANNER™ are trademarks of Richard Burbidge Ltd.

Richard Burbidge products except where indicated are supplied in unfinished format, ready to accept whatever paint, varnish or stain that you select. Please note that timber is a natural material and does vary slightly in colour and grain structure. This variation is completely natural, although you may choose to neutralise this effect using paints or stains. We are happy to advise on suitable finishes and this information is available to download from our website. Colours shown in this brochure are as accurate as the printing process will allow. Wherever possible, Richard Burbidge products are manufactured from solid timber, although in a small number of cases we do laminate and on occasion finger-joint pieces in order to enhance a products strength and/or stability or to reduce environmental impact. Metric dimensions are used throughout this brochure.

Please note that the product ranges shown in this brochure may not be available in all outlets, please visit our website www.richardburbidge.com to find your nearest stockist or call our customer services team. Richard Burbidge Ltd has a policy of continuous product development and improvement. Whilst information is correct at the time of going to press, we reserve the right to make changes without notice. E &O.E. Please visit our website for the latest news on our product ranges.

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Flooring supplied by A&K.

Printed on FSC Mixed Sources material.



From timeless elegance to sleek sophistication our range of stair balustrade offers a choice of styles to suit any home, with outstanding value off-the-shelf systems to made-to-order premium quality designs.

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Contemporary26
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Hallmark 84
Technical information90
Building Regulations & British Standards 93
Timber overview
Staircase terminology95
Staircase configurations96
Installation information
Finishing advice 114



Mouldings

116

They're the perfect finishing touch; whether you want to add a unique detail or transform a room's character, our range of architechtural, decorative and ornamental mouldings – one of the largest available – is ideal.

Decorative mouldings	118
Architectural mouldings	134
Door thresholds	137
Pine boards	138
Louvre doors	139

Commercia

192

With the latest commercial balustrade collections from Richard Burbidge you can add style and imagination to any project, whatever its size.



Outdoor Balustrade 140

Decisions, decisions...our range of decking and balustrade offers almost endless mix & match options in a choice of woods. So you can create the perfect garden structure and make the outdoors great.

Fraditional	146
Classic	154
Contemporary	160
Juliette balconies	170
Hardwood	172
Deckboards	178
Fechnical details	. 183 . 184
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Immediate appeal, impressive performance.

Walk through any front door, and the first thing you see is usually the staircase. That's why it's so important it creates the right impression – and so important to choose the right one. The latest balustrade collections from Richard Burbidge give homeowners all the design style and imagination they need to transform their property and even add to its value. And it's surprising just how affordable it can be.

Inspiration meets innovation

Incorporating the premium quality timber and superb craftsmanship for which we're renowned, our styles span the classic and contemporary, with graceful curves and bold, geometric lines to reflect personal tastes and match any home beautifully. Our dedicated team of designers has created all the options and flexibility you need, together with up-to-date designs and very latest fitting methods to help to make life easier.

Rigorous testing means you can choose Richard Burbidge balustrade with confidence

Whatever exciting new innovations we come up with though, quality, durability and safety are just as important so our products will do their job long into the future. That's why every one is put through a series of rigorous tests and assessments by BM TRADA & FIRA Certification Limited, the recognised authorities in timber product testing. And of course, all our balustrade satisfies the necessary domestic Building Regulations, as set out in various British Standards.

White Oak featuring Colonial spindle with tulip newel.



A wide choice of styles and materials

The table below shows which types of wood are available in which range. Simply turn to the page number shown for full details.

Heritage	Classic	Contemporary	Trademark	Hallmark
-	-	28, 29, 37-40	-	-
10-17	20-22	28, 29, 37-41, 43	48-54, 82	_
_	23-25	_	55-57	_
_	-	37-40	58-62	_
_	-	33, 37-40	-	_
-	_	-	63-68	-
_	-	_	69-72	_
_	_	33, 37-41	73-79, 82	86-89
	_	10-17 20-22 - 23-25	28, 29, 37-40 10-17 20-22 28, 29, 37-41, 43 - 23-25 37-40 33, 37-40	- - 28, 29, 37-40 - 10-17 20-22 28, 29, 37-41, 43 48-54, 82 - 23-25 - 55-57 - - 37-40 58-62 - - - 63-68 - - - 69-72







Not so much a staircase, more a centrepiece.

A first impression. A focal point. A central hub, with life flowing along and around it day and night. It may seem an odd way to look at a staircase, but when you think about the role it plays you can see why it's so important that it suits the style of home it's in.

Richard Burbidge balustrade (also known as stairparts) makes changing the look of any staircase easier – and more affordable – than might be expected. Each of our ranges is a component system made up of stair spindles, newel posts, rails and accessories. And every part is designed to perfectly match the next, so whichever of the seemingly endless options is chosen you can be sure the overall effect will be perfect.

Your guide to the symbols used in this brochure The screwdriver symbol indicates The price points throughout the the level of skill required to install brochure are a simple comparison, a balustrade system, graded in an showing the amount you could increasing scale from 1 to 4 expect to pay for stairparts for a (1 = average DIY-er, 4 = skilled pro).12-tread staircase. Installation method Price points Over £1,500 Over-the-post Over £1,000 Traditional also known as post-to-post handrail £500 - £1,000 system - mortise and tenon fix Under £500 Post-to-post handrail system - bracket fix. Testing categories Immix & Elements Domestic installations FUSION® Designed to resist loadings of 0.36kN/m Light Commercial installations Designed to resist loadings of 0.74kN/m

All NEW for 2012 we bring you two entirely new ranges and a host of beautifully designed wall mounted handrail options to breathe new life into your staircase.

Immix combines timber rails and newels with glass panels. This system utilises an innovative fixing system making it simple to install and would look at home from barn conversions to statement hallways. See page 28

Elements re-invents the metal baluster option with a range of exciting new designs and an ingenious fixing method. With the added option of a primed baluster you can now colour match the infill to your surroundings. See page 42

Finally a host of new wall mounted options, in a range of finishes, means even if you have your stairs between walls you can now lift the look. Designed to be easy to fit the range covers traditional and modern designs. See page 82

Terminology

Baluster – The vertical posts or spindles between the handrail and the baserail. May be plain, turned, square or flat.

Baserail – The rail that runs along the base of the balusters.

Cap – The decorative piece on top of the newel turning.

Handrail – The smooth rail fixed to the top of the balusters.

Newel turning – The large post at the beginning, end or turn of a stair rail.

Cut string – A staircase with the profile or side of the steps visible.

Closed string – A staircase with the profile or side of the steps concealed.

Over-the-post – Often described as a over-the-post handrail system – continuous fix and in the style of grand period staircases, specially designed fittings allow the handrail to flow over the newels and spindles, creating smooth sweeping lines.

Post-to-post – Typical of most staircases, this system has a newel post positioned at the top and bottom of your stairs, with a handrail fitted between them. There are two fixing methods for post-to-post:

Traditional fix system – A flexible system based on modular components, with traditional mortise and tenon joints for a professional end result.

Bracket fix system – A time-saving system using a series of predrilled newel posts and a unique adjustable bracket – a good choice for the competent DIY-er or professional fitters alike.



The following products feature in this image:

Product code	Description
WOHCHR3600	Heritage Handrail
WHOCBR3600	Heritage Baserail
WOHCNB510	Heritage Newel Base
WOHCNB1375	Heritage Newel Base
WOHCA900	Arlington Spindle
WOHCA200	Arlington Bottom Newel
WOHCA500	Arlington Intermediate Newel
WOHCNC1	Heritage Newel Cap

(All products are White Oak).

Price points





f f f

95mm range

Installation method



Over-the-post

Traditional (post-to-post – handrail system mortise and tenon fix)

Testing categories





Domestic and Light Commercial

Additional information

Our Heritage range is predominantely made to order with the 55m spindles and 115mm newels on a maximum 3 weeks leadtime, 46mm spindles and 95mm newels are available from stock.

Heritage

Timeless grandeur

55mm range spindles

Arlington

Product code	Size (mm)	Pack qty
WOHCA900	900×55×55	1
WOHCA1100	1100×55×55	1

Blenheim

Product code	Size (mm)	Pack qty
WOHCB900	900×55×55	1
WOHCB1100	1100×55×55	1

Forston

Product code	Size (mm)	Pack qty
WOHCF900	900×55×55	1
WOHCF1100	1100×55×55	1

Granby

Product code	Size (mm)	Pack qty
WOHCG900	900×55×55	1
WOHCG1100	1100×55×55	1

Hampton

Product code	Size (mm)	Pack qty
WOHCH900	900×55×55	1
WOHCH1100	1100×55×55	1

Kenilworth

Product code	Size (mm)	Pack qty
WOHCK900	900×55×55	1
WOHCK1100	1100×55×55	1



55mm range spindles (continued)



Sandringham

Product code	Size (mm)	Pack qty
WOHCS900	900×55×55	1
WOHCS1100	1100×55×55	1



Thornbury

Product code	Size (mm)	Pack qty
WOHCT900	900×55×55	1
WOHCT1100	1100×55×55	1



55mm range balusters



Product code	Size (mm)	Pack qty
WOHCSTK900	900×55×55	1
WOHCSTK1100	1100×55×55	1



Product code	Size (mm)	Pack qty
WOHCSC900	900×55×55	1
WOHCSC1100	1100×55×55	1



White Oak featuring
Arlington 55m spindle and
Arlington 115mm newel.
55m spindles and 115mm
newels are made to order
on a 3 week lead time.

115mm newel turnings – post-to-post handrail system – mortise and tenon fix

Arlington

Product code	Size (mm)	Pack qty
WOHCA201	525×115×115	1
WOHCA200	725×115×115	1
WOHCA400	825×115×115	1
WOHCA500	825×115×115	1



Blenheim

Product code	Size (mm)	Pack qty
WOHCB201	525×115×115	1
WOHCB200	725×115×115	1
WOHCB400	825×115×115	1
WOHCB500	825×115×115	1



Eton

Product code	Size (mm)	Pack qty
WOHCE201	525×115×115	1
WOHCE200	725×115×115	1
WOHCE400	825×115×115	1
WOHCE500	825×115×115	1



Forston

Product code	Size (mm)	Pack qty
WOHCF201	525×115×115	1
WOHCF200	725×115×115	1
WOHCF400	825×115×115	1
WOHCF500	825×115×115	1



Granby

Product code	Size (mm)	Pack qty
WOHCG201	525×115×115	1
WOHCG200	725×115×115	1
WOHCG400	825×115×115	1
WOHCG500	825×115×115	1



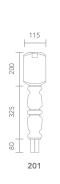
Hampton

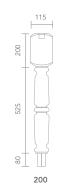
Product code	Size (mm)	Pack qty
WOHCH201	525×115×115	1
WOHCH200	725×115×115	1
WOHCH400	825×115×115	1
WOHCH500	825×115×115	1



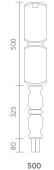
Jedburgh

Product code	Size (mm)	Pack qty
WOHCJ201	525×115×115	1
WOHCJ200	725×115×115	1
WOHCJ400	825×115×115	1
WOHCJ500	825×115×115	1









Dimensions for newel turnings.



Newel turnings – over-the-post handrail system – continuous fix



Arlington Newel turn

Product code	Size (mm)	Pack qty
WOHCANT-V	890	1
WOHCANT0	675	1



Blenheim Newel turn

Product code	Size (mm)	Pack qty
WOHCBNT-V	890	1
WOHCBNT0	675	1



 Product code
 Size (mm)
 Pack qty

 WOHCENT-V
 890
 1

 WOHCENT0
 675
 1



Forston Newel turn

		Pack
Product code	Size (mm)	qty
WOHCFNT-V	890	1
WOHCFNT0	675	1



Granby Newel turn

Product code	Size (mm)	Pack qty
WOHCGNT-V	890	1
WOHCGNT0	675	1



Hampton Newel turn

Product code	Size (mm)	Pack qty
WOHCHNT-V	890	1
WOHCHNT0	675	1



Jedburgh Newel turn

Product code	Size (mm)	Pack qty
WOHCJNT-V	890	1
WOHCJNT0	675	1

Plain

Product code	Size (mm)	Pack qty
WOHCSQN1500	1500×115×115	1

115mm complete newels – post-to-post handrail system – mortise and tenon fix

Stop Chamfer

Product code	Size (mm)	Pack qty
WOHCSCN1500	1500×115×115	1



115mm newel bases

Product code	Size (mm)	Pack qty
WOHCNB510	510×115×115	1
WOHCNB635	635×115×115	1
WOHCNB700	700×115×115	1
WOHCNB920	920×115×115	1
WOHCNB1375	1375×115×115	1
WOHCNB2000	2000×115×115	1

Handrails for 55mm spindles



Baserails

for 55mm spindles



Product code	WOHCHR2400	WOHCHR3600	WOHCHR4200	WOHCBR2400	WOHCBR3600	WOHCBR4200
Size (mm)	2400×92×55	3600×92×55	4200×92×55	2400×88×28	3600×88×28	4200×88×28
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

All baserails are supplied with fillet strips.

Newel caps

for 115mm newels Ball



Product code	Size (mm)	Pack qty
WOHCNC1	133×104×104	1

Pyramid



Product code	Size (mm)	Pack qty
WOHCNC7	70×148×148	1

Fittings

for 55mm spindles

	1					
Product code	WOHCUE	WOHCVT	WOHCHT	WOHCHC	WOHCOC	WOHCOE
Description	Up easing	Vertical turn	Horizontal turn	Horizontal cap	Opening cap	Over easing
Pack qty	1	1	1	1	1	1

			1		6
Product code	WOHCOR	WOHCSC	WOHCUE90	WOHCVL-LH	WOHCVL-RH
Description	Opening rise	Straight cap	Up easing 90 degrees	Left hand volute	Right hand volute
Pack qty	1	1	1	1	1



46mm range spindles

Product code	Size (mm)
OSA09046	900×46×46
OSA11046	1100×46×4



Hampton

Product code	Size (mm)	Pack qty
OSH09046	900×46×46	1
OSH11046	1100×46×46	1



Product code	Size (mm)	Pack qty
OSW09046	900×46×46	1
OSW11046	1100×46×46	1

46mm range balusters

Ρ	а	i	r	

Product code	Size (mm)	Pack qty
OSSTK09046	900×46×46	1
OSSTK11046	1100×46×46	1



Product code	Size (mm)	Pack qty
OSSC09046	900×46×46	1
OSSC11046	1100×46×46	1

95mm newel turnings – post-to-post handrail system – mortise and tenon fix

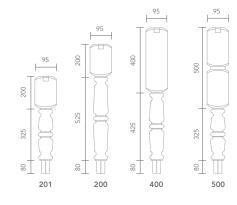
Arlington

Product code	Size (mm)	Pack qty
OSNTA201	525×95×95	1
OSNTA200	725×95×95	1
OSNTA400	825×95×95	1
OSNTA500	825×95×95	1



Hampton

Product code	Size (mm)	Pack qty
OSNTH201	525×95×95	1
OSNTH200	725×95×95	1
OSNTH400	825×95×95	1
OSNTH500	825×95×95	1



Dimensions for newel turnings.

95mm complete newels – post-to-post handrail system – mortise and tenon fix



Plain

		Pack
Product code	Size (mm)	qty
OSSQN1500	1500×95×95	1



Product code	Size (mm)	Pack qty
OSSCN1500	1500×95×95	1

Newel bases

95mm newel bases

Product code	Size (mm)	Pack qty
OSNB510	510×95×95	1
OSNB635	635×95×95	1
OSNB700	700×95×95	1
OSNB1375	1375×95×95	1
OSNB2000	2000×95×95	1
OSNB2400	2400×95×95	1



Newel caps for 95mm newels

	Ball	Pyramid
	-	
Product code	OSNC1	OSNC7
Size (mm)	120×91×91	50×115×115
Pack qty	1	1

Fittings for 46mm spindles

Product code	OFSUE	OFSHT	OFSVT
Description	Up easing	Horizontal turn	Vertical turn
Pack qty	1	1	1

Handrails for 46mm spindles



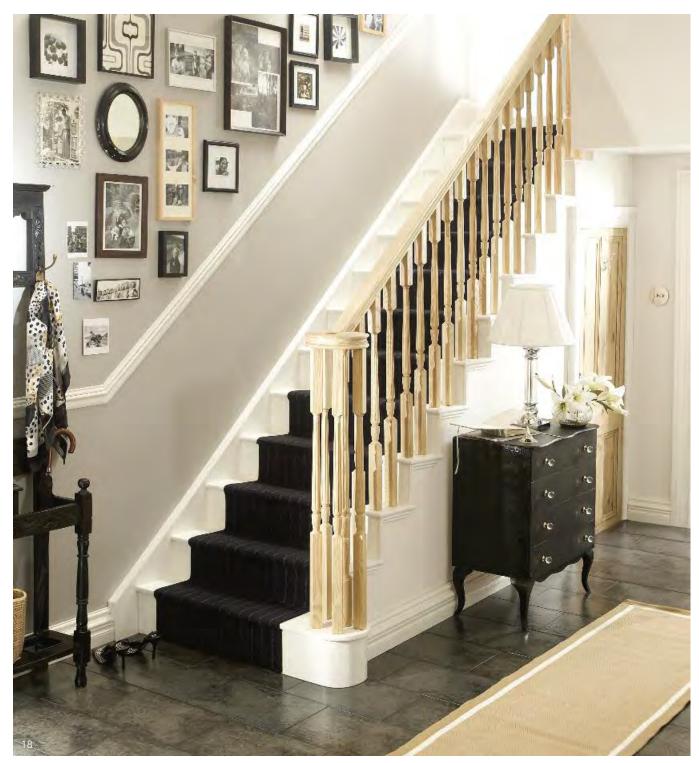
All handrails are supplied with fillet strips.

Baserails

for 46mm spindles



All baserails are supplied with fillet strips.



The following products feature in this image:

Product code	Description
FS090Y	Classic Fluted Spindle
FS110Y	Classic Fluted Spindle
HR3600/41Y	Classic Handrail
VL-RHY	Classic Right Hand Volute
FNT-VY	Classic Fluted Newel

(All products are Ash).

Price points



White Oak



Ash

Installation method



Over-the-post



Traditional (post-topost handrail system – mortise and tenon fix)

Testing categories





Domestic and Light Commercial

Additional information

White Oak and Ash are tested to Light Commercial in Traditional (post-to-post handrail system – mortise and tenon fix) applications.

The Imperial spindle from the Trademark section also complements this range.

Classic

Elegant appeal

41mm range spindles

Classic Fluted

Product code	Size (mm)	Pack qty
CWOFS090	900 x 41 x 41	1
CWOFS110	1100 x 41 x 41	1

Imperial 41mm from the Trademark range, page 35, works well with this range.

90mm newel turnings – post-to-post handrail system – mortise and tenon fix





Classic White Oak

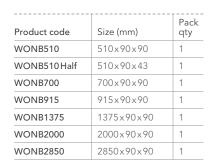


90mm newel turnings – over-the-post handrail system – continuous fix





90mm newel bases



Classic White Oak

Handrails for 41mm spindles







Product code	CWOHR2400/41	CWOHR3600/41	CWOHR4200/41	CWOBR2400/41	CWOBR3600/41	CWOBR4200/41
Size (mm)	2400×70×55	3600×70×55	4200×70×55	2400×65×23	3600×65×23	4200×65×23
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

All baserails are supplied with fillet strips.

Newel caps for 90mm newels

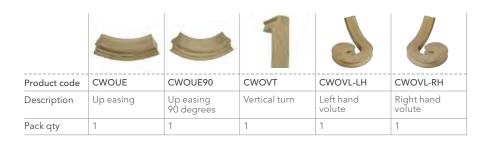


Product code	Size (mm)	Pack qty
CWONC1	100x86x86	1
CWONC1 Half	100×86×41	1

Fittings

for 41mm spindles

Product code	СМОНС	CWOHT	cwooc	CWOOE	CWOOR	cwosc
Description	Horizontal cap	Horizontal turn	Opening cap	Over easing	Opening rise	Straight cap
Pack qty	1	1	1	1	1	1





White Oak featuring Classic fluted spindle and matching newel.

SYAIRPYN PLANT

41mm range spindles

Classic Fluted

 Product code
 Size (mm)
 Pack qty

 FS090Y
 900×41×41
 1

 FS110Y
 1100×41×41
 1

Imperial 41mm from the Trademark range, page 45, works well with this range.

90mm newel turnings – post-to-post handrail system – mortise and tenon fix





Classic Ash

90mm newel turnings – over-the-post handrail system – continuous fix





90mm newel bases

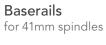
Product code	Size (mm)	Pack qty
NB510/90Y	510×90×90	1
NB510/90Y Half	510×90×43	1
NB700/90Y	700×90×90	1
NB915/90Y	915×90×90	1
NB1375/90Y	1375×90×90	1
NB2000/90Y	2000×90×90	1
NB2850/90Y	2850×90×90	1

Ash featuring Classic fluted spindle and matching newel with right hand volute.



Classic Ash

Handrails for 41mm spindles







Product code	HR2400/41Y	HR3600/41Y	HR4200/41Y	BR2400/41Y	BR3600/41Y	BR4200/41Y
Size (mm)	2400×70×55	3600×70×55	4200×70×55	2400×65×23	3600×65×23	4200×65×23
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

All baserails are supplied with fillet strips.

Fittings

for 41mm spindles



					6
Product code	UEY	UE90Y	VTY	VL-LHY	VL-RHY
Description	Up easing	Up easing 90 degrees	Vertical turn	Left hand volute	Right hand volute
Pack qty	1	1	1	1	1

Newel caps for 90mm newels



Product code	Size (mm)	Pack qty
NC1Y	100×86×86	1
NC1YHalf	100×86×41	1



The following products from the NEW ImmixTM range appear here:

Product code	Description
IHR3600WT	Immix Handrail
IBR3600WT	Immix Baserail
IMNB510WT	Immix Newel Base
IMNB700WT	Immix Newel Base
IMNT725WT	Immix Newel Post
IMGPL4	Immix Rake Glass Panel x4
IMGPR4	Immix Landing Glass Panel x4
IMNBC	Immix Newel Base Connector
IMBRC	Immix Bottom Connector
IMTRC	Immix Top Connector
IMNC	Immix Newel Cap
IMLC	Immix Landing Connector
IMIRC	Immix Intermediate Connector

(All timber products are Walnut and all connectors are in Gun Metal finish)

Price points





Glass panel

Installation method



Immix

Testing categories



Domestic

Additional information

New for 2012 we have the Immix Glass panel system (see page 28) and Elements metal baluster solution (see page 42), as well as the addition of Walnut to our ever popular FUSION® range (see page 30).

Contemporary

Balustrade brought right up to date

Contemporary Immix™

Immix handrails

Walnut White Oak Product code IHR2400WT IHR3600WT IHR4200WT IHR2400WO IHR3600WO IHR4200WO Size (mm) 2400×60×69 3600×60×69 4200×60×69 2400×60×69 3600×60×69 4200×60×69 Pack qty 1 1 1 1 1 1

Immix baserails

Walnut				White Oak		
Product code	IBR2400WT	IBR3600WT	IBR4200WT	IBR2400WO	IBR3600WO	IBR4200WO
Size (mm)	2400×60×60	3600×60×60	4200×60×60	2400×60×60	3600×60×60	4200×60×60
Pack qty	1	1	1	1	1	1

Immix newels



White Oak

Product code	IMNT725WO
Size (mm)	725×90×90
Pack qty	1

^{*}Universal newel with zipbolt.



NEW – Immix White Oak with glass panels and gun metal connectors.



Immix newel bases



Walnut

Product code	Size (mm)	Pack qty
IMNB510WT	510×90×90	1
IMNB700WT	700×90×90	1
IMNB915WT	915×90×90	1



White Oak

Product code	Size (mm)	Pack qty
IMNB510WO	510×90×90	1
IMNB700WO	700×90×90	1
IMNB915WO	915×90×90	1

Immix handrail & newel connecting brackets

Gun metal finish

			1	18 A		10	F			
Product code	IMBRC	IMTRC	IMIRC	IMLC	IMHT	IMWC	IMILC	IMNBC	IMREC	IMNC
Description	Bottom connector	Top connector	Intermediate rake connector	Landing connector	Horizontal turn	Wall connector	Intermediate landing connector	Newel base connector	End cap	Newel cap
Pack qty	1	1	1	1	1	1	1	1	1	1

Immix clear panel products (glass)

Glass panels





The following products feature in this image:

Product code	Description
RHR3600WO	Fusion Handrail
SBR3600WO	Fusion Baserail
RHR750WO	Fusion Newel
MMGPR4	Fusion Rake Glass Panel x4
ММВСВ	Fusion Bottom Connector
MMINCB	Fusion Intermediate Newel Connector
MMNCB	Fusion Newel Base Connector
MMGPB8	Fusion Glass Panel Bracket x8

(All timber products are White Oak and all connectors are in Brushed Nickel finish).

Price points

££

Acrylic panel and glass panel Balusters

Installation method

Fusion

Testing categories



Domestic

Additional information

Fusion Commercial, a heavy duty version, is also available designed for shared access stainwells and other commercial applications.



FUSION® balusters – closed string products

Chrome finish**

The following balusters are made of mild steel and the brackets are ABS





			200		
Product code	MMSBSUK	MMSBS10UK	MMLBSUK	MMLBS10UK	
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*	
Pack qty	1	10	1	10	

Chrome finish – Fusion Mark 2**

The following balusters are made of stainless steel and the brackets are made of zinc alloy





Product code	SBSUK2	SBS10UK2	LBSUK2	LBS10UK2
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*
Pack qty	1	10	1	10

Brushed nickel finish**

The following balusters are made of mild steel and the brackets are ABS





Product code	MMSBBUK	MMSBB10UK	MMLBBUK	MMLBB10UK
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*
Pack qty	1	10	1	10

Brushed nickel finish – Fusion Mark 2**

The following balusters are made of stainless steel and the brackets are made of zinc alloy





Product code	SBBUK2	SBB10UK2	LBBUK2	LBB10UK2
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*
Pack qty	1	10	1	10

^{*}Multi-packs include 10 balusters and 20 brackets.

^{**}Will achieve stair pitches of 38-45 degrees.

FUSION® balusters – cut string products

Chrome finish**

The following balusters are made of mild steel and the brackets are ABS





		O .	70		
Product code	MMSBSE	MMSBS10E	MMLBSE	MMLBS10E	
Description	Staircase baluster & 2 fixing brackets		Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*	
Pack qty	1	10	1	10	

Chrome finish – Fusion Mark 2**

The following balusters are made of stainless steel and the brackets are made of zinc alloy





Product code	SBSE2	SBS10E2	LBSE2	LBS10E2
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*
Pack qty	1	10	1	10

Brushed nickel finish**

The following balusters are made of mild steel and the brackets are ABS





Product code	MMSBBE	MMSBB10E	MMLBBE	MMLBB10E	
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*	
Pack qty	1	10	1	10	

Brushed nickel finish – Fusion Mark 2**

The following balusters are made of stainless steel and the brackets are made of zinc alloy





Product code	SBBE2	SBB10E2	LBBE2	LBB10E2
Description	Staircase baluster & 2 fixing brackets	Staircase baluster 10 multi-pack*	Landing baluster & 2 fixing brackets	Landing baluster 10 multi-pack*
Pack qty	1	10	1	10

^{*}Multi-packs include 10 balusters and 20 brackets.

^{**}Will achieve stair pitches of 38-45 degrees.



FUSION® cut string products

Chrome finish



Brushed nickel finish

			*	*
Product code	MMSBCB	MMINCB	NB320PFB	NB320BFB
Description	Suspended baserail connector	Intermediate newel connector	Pine mid newel base**	Beech mid newel base**
Pack qty	1	1	1	1

Top: Fusion Pine with chrome finish balusters.

Bottom: Fusion White Oak with acrylic panels.





^{*}Includes connector & chrome finish decorative edge.

^{**}Includes connector & brushed nickel finish decorative edge.

FUSION® clear panel products (acrylic)

Chrome finish















Product code	MMSPKS
Description	Staircase kit including 1 panel, 4 brackets
Pack qty	1

MMLPKS Landing kit including 1 panel, 6 brackets

MMSERS Single edge staircase moulding

MMSELS Single edge landing moulding

MMHSRS H section staircase moulding

MMHSLS H section landing moulding

ILCSD Intermediate landing connector

Brushed nickel finish















Product code	MMSPKB
Description	Staircase kit including 1 panel, 4 brackets
Pack qty	1



MMLPKB	MMSERB
Landing kit including 1 panel, 6 brackets	Single edge staircase moulding
1	1



MMSELB Single edge landing moulding

MMHSRB H section staircase moulding

MMHSLB H section landing moulding

ILCBD Intermediate landing connector



FUSION® clear panel products (glass)

Glass panels







Product code	MMGPR1	MMGPR4	MMGPL1	MMGPL4	MMGPSL1
Description	Rake glass panel	Rake glass panel 4 pack	Landing glass panel	Landing glass panel 4 pack	Small landing return panel
Pack qty	1	4	1	4	1



Chrome glass panel brackets



Product code	MMGPS2	MMGPS8
Description	Chrome glass panel brackets 2 pack	Chrome glass panel brackets 8 pack
Pack qty	2	8

Brushed nickel glass panel brackets



Product code	MMGPB2	MMGPB8
Description	Brushed nickel glass panel brackets 2 pack	Brushed nickel glass panel brackets 8 pack
Pack qty	2	8

Fusion White Oak with glass panels and brushed nickel finish connector.

1 "

FUSION® handrail & newel connecting brackets

Chrome finish

Pack qty

		a R			
Product code	MMBCS	MMTCS	MMICS	MMLCS	MMHTRS
Description	Bottom connector	Top connector	Intermediate connector	Landing connector	Horizontal turn, right hand
Pack qty	1	1	1	1	1

Product code	MMHTLS	MMWCS	MMNCS	MMALS	MMHLS
Description	Horizontal turn, left hand	Wall connector	Newel base connector	Adjustable landing connector	Half landing connector

		给了	
Product code	MMECS	MMSNS	MMSQCS
Description	End cap	Storey newel connector	Square newel cap - 90mm
Pack qty	1	1	1

Brushed nickel finish



3				90
MMHTLB	MMWCB	MMNCB	MMALB	MMHLB
Horizontal turn, left hand	Wall connector	Newel base connector	Adjustable landing connector	Half landing connector
1	1	1	1	1

		a
MMECB	MMSNB	MMSQCB
End cap	Storey newel connector	Square newel cap - 90mm
1	1	1



FUSION® newels

Walnut

Product code	RHR750WT
Size (mm)	750ר54
Pack qty	1



White Oak

Product code	RHR750WO
Size (mm)	750ר54
Pack qty	1



Product code	RHR750QF		
Size (mm)	750ר54		
Pack qty	1		



Product code	RHR750BF
Size (mm)	750ר54
Pack qty	1



Pine

Product code	RHR750PF
Size (mm)	750ר54
Pack qty	1



Fusion White Oak square newel cap and storey newel connector in brushed nickel.

FUSION® handrails

Walnut White Oak Product code RHR2400WT RHR3600WT RHR4200WT RHR2400WO RHR3600WO RHR3600WO RHR4200WO Size (mm) 2400ר54 3600ר54 4200ר54 2400ר54 3600ר54 4200ר54 Pack qty 1 1 1 1 1 1







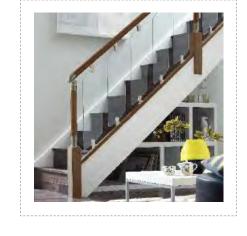
Fusion Walnut with mark 2 brushed nickel balusters and brushed nickel connectors.



FUSION® baserails

	Walnut V		White Oak			
Product code	SBR2400WT	SBR3600WT	SBR4200WT	SBR2400WO	SBR3600WO	SBR4200WO
Size (mm)	2400×55×27	3600×55×27	4200×55×27	2400×55×27	3600×55×27	4200×55×27
Pack qty	1	1	1	1	1	1

	Sapele B		Beech			
Product code	SBR2400QF	SBR3600QF	SBR4200QF	SBR2400BF	SBR3600BF	SBR4200BF
Size (mm)	2400×55×27	3600×55×27	4200×55×27	2400×55×27	3600×55×27	4200×55×27
Pack qty	1	1	1	1	1	1



Fusion Walnut with glass panels and brushed nickel connectors.

		•	
Product code	SBR2400PF	SBR3600PF	SBR4200PF
Size (mm)	2400×55×27	3600×55×27	4200×55×27
Pack qty	1	1	1

Pine

Newel bases

Walnut



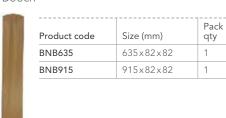
White Oak

Product code	Size (mm)	Pack qty
WONB510	510×90×90	1
WONB510	510×90×43	1
WONB700	700×90×90	1
WONB915	915×90×90	1
WONB1375	1375×90×90	1
WONB2000	2000×90×90	1
WONB2850	2850×90×90	1

Sapele

Product code	Size (mm)	Pack qty
NB510/90Q	510×90×90	1
NB510/90Q	510×90×43	1
NB700/90Q	700×90×90	1
NB915/90Q	915×90×90	1
NB1375/90Q	1375×90×90	1
NB2000/90Q	2000×90×90	1
NB2850/90Q	2850×90×90	1

Beech



Pine

		Pack
Product code	Size (mm)	qty
NB510/90P	510×90×90	1
NB510/90P	510×90×43	1
NB700/90P	700×90×90	1
NB915/90P	915×90×90	1
NB1375/90P	1375×90×90	1
NB2000/90P	2000×90×90	1
NB2850/90P	2850×90×90	1

FUSION® wall mounted handrail

Chrome finish



Brushed nickel finish





Product co	de MMWECS	MMWBS	MMWECB	MMWBB
Descriptio	n Handrail end cap	Handrail wall bracket	Handrail end cap	Handrail wall bracket
Pack qty	1	1	1	1

Boxed rail kits



Boxed rail kit suitable for runs of 3.6 metres contains: 3×1.2 metre timber rails pre-finished with clear lacquer, 4×1.2 metre timber rails pre-finished with clear lacquer rails

FUSION® tool kit



Product code	MMTK
Description	Tool kit
Pack qty	1

FUSION® installation DVD



Product code	FUSDVD
Description	Installation DVD
Pack qty	1

Contemporary Elements $^{\text{TM}}$



The following products from the NEW Elements™ range appear here:

Product code	Description
HRR3600WO	Elements Rake Handrail
BRR3600WO	Elements Rake Baserail
WOSCN1500	Stop Chamfer Complete Newel
WONC8	Square Newel Cap
MB05R	Elements Single Spiral Baluster
MB06R	Elements Double Spiral Baluster
TBRWO	Elements Rake Newel Fixing

(All timber products are White Oak).

Price points



Metal Baluster

Installation method



Elements

Testing categories



Domestic

Additional information

The Elements range consists of pre-drilled hand and baserails. These can be installed with our Trademark White Oak and Classic White Oak newels.

Contemporary Elements $^{\text{TM}}$



Elements hand and baserails

White Oak rake handrails

White Oak rake baserails

Product code	HRR2400WO	HRR3600WO	HRR4200WO	BRR2400WO	BRR3600WO	BRR4200WO
Size (mm)	2400×65×55	3600×65×55	4200×65×55	2400×60×28	3600×60×28	4200×60×28
Pack qty	1	1	1	1	1	1

White Oak landing handrails

White Oak landing baserails

Product code	HRL2400WO	HRL3600WO	BRL2400WO	BRL3600WO	
Size (mm)	2400×65×55	3600x65x55	2400×60×28	3600×60×28	
Pack qty	1	1	1	1	

All rails are pre-drilled for ease of installation.

Elements components

White Oak

	1	
Product code	TBRWO	TBLWO
Description	Newel fixing rake	Newel fixing landing
Pack qty	1	1



NEW – Elements plain baluster, Elements hand and baserail, with Trademark stop chamfered newel, all White Oak.

Contemporary Elements $^{\text{TM}}$

Elements Black balusters

Hybrid double

Product code	Description	Pack qty
MB01R	Rake baluster	3
MB01L	Landing baluster	3

Hybrid single

Product code	Description	Pack qty
MB02R	Rake baluster	3
MB02L	Landing baluster	3

History

Product code	Description	Pack qty
MB03R	Rake baluster	3
MB03L	Landing baluster	3

Plain

Product code	Description	Pack qty
MB04R	Rake baluster	3
MB04L	Landing baluster	3

Single spiral

Product code	Description	Pack qty
MB05R	Rake baluster	3
MB05L	Landing baluster	3

Double spiral

Product code	Description	Pack qty
MB06R	Rake baluster	3
MB06L	Landing baluster	3



Elements Primed Balusters

Hybrid single

Product code	Description	Pack qty
MB02RW	Rake baluster	3
MB02LW	Landing baluster	3

Ready-to-paint with your chosen colour.







Top: NEW – Elements hybrid double baluster, Elements hand and baserail, with Classic newel, all White Oak.

Bottom: NEW – Elements spiral baluster with Elements baserail in White Oak.

Far right: NEW – Elements hybrid single baluster (primed, painted), with Elements baserail and Classic newel, all painted.



The following products feature in this image:

Product code	Description
WOCS090	Trademark Colonial Spindle
WONT160	Trademark Tulip Bottom Newel
WONT415	Trademark Tulip Intermediate Newel
WONC2	Trademark Ball Cap
WOHDR3600/41	Trademark Grooved Handrail
WOBR3600/41	Trademark Grooved Baserail
WONB510	Trademark Newel Base
WONB1375	Trademark Newel Base

(All products are White Oak).

Price points



White Oak



Ash



Sapele, Hemlock, Primed & Pine

Installation method



Over-the-post



Traditional (post-topost handrail system – mortise and tenon fix), Slender bracket fix

Testing categories



White Oak, Ash, Sapele, Hemlock, Primed & Pine



White Oak, Ash*

Additional information

*White Oak and Ash are tested to Light Commercial in Traditional (post-to-post handrail system – mortise and tenon fix) applications.

Trademark

For a perfect job

41mm turned spindles

Colonial*

Product code	Size (mm)	Pack qty
WOCS090	900 x 41 x 41	1
WOCS110	1100 x 41 x 41	1

^{*}Turned centre profile

Imperial

Product code	Size (mm)	Pack qty
WOIS090	900×41×41	1
WOIS110	1100×41×41	1

Provincial*

Product code	Size (mm)	Pack qty
WOPS090	900×41×41	1
WOPS110	1100×41×41	1

^{*}Square centre profile

41mm balusters

Plain

Product code	Size (mm)	Pack qty
WOSTK	900×41×41	1
WOSTK110	1100×41×41	1

Stop Chamfer

Product code	Size (mm)	Pack qty
WOSC090	900×41×41	1
WOSC110	1100×41×41	1

Stop Chamfer Flute

Product code	Size (mm)	Pack qty
WOSCF090	900×41×41	1
WOSCF110	1100×41×41	1

Flute detail appears on 2 faces and chamfer is on all 4 edges.



32mm turned spindles

Georgian

Product code	Size (mm)	Pack qty
WOGM090/32	900×32×32	1
WOGM110/32	1100×32×32	1



White Oak featuring Colonial spindle with tulip newel.

32mm balusters

Stop Chamfer

Product code	Size (mm)	Pack qty
WOSC090/32	900×32×32	1
WOSC110/32	1100×32×32	1

Windsor

Product code	Size (mm)	Pack qty
WOSM090/32	900×32×32	1
WOSM110/32	1100×32×32	1

Plain

Product code	Size (mm)	Pack qty
WOSTK090/32	900×32×32	1
WOSTK110/32	1100×32×32	1

90mm newel turnings – post-to-post handrail system – mortise and tenon fix



Turned profile.

Provincial



Square profile.

90mm newel turnings – over-the-post handrail system – continuous fix



Turned profile.



90mm complete newels

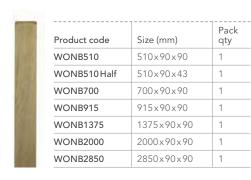




Stop Chamfer Flute		
Product code	WOSCFNP1500	WOSCFNP1500A*
Size (mm)	1500×90×90	1500×90×90
Pack qty	1	1

*Intermediate.

90mm newel bases



Newel caps

for 90mm newels

	Ball	Acorn	Provincial	Pyramid	Square
Product code	WONC2	WONC3	WOPNC/90	WONC7	WONC8
Size (mm)	106×85×85	131×85×85	131×85×85	50×115×115	27×114×114
Pack qty	1	1	1	1	1
Product code	WONC2 Half	WONC3 Half	WOPNC/90 Half	WONC7 Half	WONC8Half
Size (mm)	106×85×41	131×85×41	131×85×41	50×115×56	27×114×56
Pack qty	1	1	1	1	1

Handrails – Heavy Duty Rail

for 41mm spindles	for 32mm spindles
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Product code	WOHDR2400/41	WOHDR3600/41	WOHDR4200/41	WOHDR2400/32	WOHDR3600/32	WOHDR4200/32
Size (mm)	2400×59×59	3600×59×59	4200×59×59	2400×59×59	3600×59×59	4200×59×59
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles for 32mm spindles

Product code	WOBR2400/41	WOBR3600/41	WOBR4200/41	WOBR2400/32	WOBR3600/32	WOBR4200/32
Size (mm)	2400×63×28	3600×63×28	4200×63×28	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1	1	1	1

All baserails are supplied with fillet strips.

Fittings for HDR profile

			-				1	2			6
Product code	WOHC	WOHT	wooc	WOOE	WOOR	WOSC	WOUE	WOUE90	WOVT	WOVL-LH	WOVL-RH
Description	Horizontal cap	Horizontal turn	Opening cap	Over easing	Opening rise	Straight cap	Up easing	Up easing 90 degrees	Vertical turn	Left hand volute	Right hand volute
Pack qty	1	1	1	1	1	1	1	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.

Trademark Slender White Oak

41mm turned spindles

Slender

Product code	Size (mm)	Pack qty
SL090WO	900×41×41	1
SL110WO	1100×41×41	1

Slender newel turnings – post-to-post handrail system – bracket fix for use with slender spindles

Plain	•		ă	6
 Product code	SLN160WO	SLN160AWO	SLN415AWO	SLN160BWO
Size (mm)	725×90×90	725×90×90	710×90×90	725×90×90
Pack qty	1	1	1	1

Handrails for 41mm spindles

Product code	SLHR2400/41WO	SLHR3600/41WO	SLHR4200/41WO
Size (mm)	2400×59×62	3600×59×62	4200×59×62
Pack atv	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles

	1		
Product code	SLBR2400/41WO	SLBR3600/41WO	SLBR4200/41WO
Size (mm)	2400×40×59	3600×40×59	4200×40×59
Pack qty	1	1	1

All baserails are supplied with fillet strips.

Trademark Slender White Oak

Slender caps



Product code	Size (mm)	Pack qty
SLNC/90WO*	40×102×102	1

^{*}For 90mm newel.

Fittings for Slender profile

			1
Product code	SLHTWO	SLVTWO	SLUEWO
Description	Horizontal turn	Vertical turn	Up easing
Pack qty	1	1	1

Fittings can be used with 41mm or 32mm spindles.

Accessories

Slender fitting bracket Including cover plate



Product code	Size (mm)	Pack qty
SLBWO	N/A	2

Slender wall rosette



		Pack
Product code	Size (mm)	qty
SLWRWO	Ø110	1

Trademark Ash



41mm turned spindles



Product code	Size (mm)	Pack qty
ACS090	900×41×41	1
ACS110	1100×41×41	1

Imperial

Product code	Size (mm)	Pack qty
IS090Y	900×41×41	1
IS110Y	1100×41×41	1

41mm balusters

Plain

]	Pack
Product code	Size (mm)	qty
ASTK090/41	900×41×41	1
ASTK110/41	1100×41×41	1

Stop Chamfer

Product code	Size (mm)	Pack qty
ASC090/41	900×41×41	1
ASC110/41	1100×41×41	1

Stop Chamfer Flute

Product code	Size (mm)	Pack qty
ASCF090	900×41×41	1
ASCF110	1100×41×41	1

Flute detail appears on 2 faces and chamfer is on all 4 edges.

Trademark Ash

90mm newel turnings – post-to-post handrail system – mortise and tenon fix

Product code ANT160/90 ANT160/90Half ANT415/90 ANT202/90 Size (mm) 725×90×90 725×90×43 710×90×90 497×90×90 Pack qty 1 1 1 1

90mm newel bases

Product code	Size (mm)	Pack qty
NB510/90Y	510×90×90	1
NB510/90YHalf	510×90×43	1
NB700/90Y	700×90×90	1
NB915/90Y	915×90×90	1
NB1375/90Y	1375×90×90	1
NB2000/90Y	2000×90×90	1
NB2850/90Y	2850×90×90	1

90mm complete newels





^{*}Intermediate.

Newel drops

for 90mm newels

	Product code	Size (mm)	Pack qty
111	ND560/90Y	560×90×90	1
1738			'
Mills			

Trademark Ash



Handrails – Heavy Duty Rail

for 41mm spindles

Product code	AHDR2400/41	AHDR3600/41	AHDR4200/41
Size (mm)	2400×59×59	3600×59×59	4200×59×59
Pack qty	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles

Product code	ABR2400/41	ABR3600/41	ABR4200/41
Size (mm)	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1

All baserails are supplied with fillet strips.

Newel caps for 90mm newels

	Ball	Pyramid
Product code	ANC2/90	ANC7
Size (mm)	106×85×85	50×115×115
Pack qty	1	1
Product code	ANC2/90 Half	
Size (mm)	106×85×41	
Pack qty	1	

Fittings for HDR profile

			1	
Product code	AHT	AOE	AUE	AVT
Description	Horizontal turn	Over easing	Up easing	Vertical turn
Pack qty	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.

41mm turned spindles

Colonial

Product code	Size (mm)	Pack qty
CS090Q	900 x 41 x 41	1
CS110Q	1100 x 41 x 41	1

Imperial

Product code	Size (mm)	Pack qty
IS090Q	900×41×41	1
IS110Q	1100×41×41	1

41mm balusters

Plain

Product code	Size (mm)	Pack qty
STK090/41Q	900×41×41	1
STK110/41Q	1100×41×41	1

These products are available on a 3 week leadtime.

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090/41Q	900×41×41	1
SC110/41Q	1100×41×41	1

These products are available on a 3 week leadtime.



32mm turned spindle

Georgian

Product code	Size (mm)	Pack qty
GM090Q	900×32×32	1
GM110Q	1100x32x32	1

These products are available on a 3 week leadtime.

32mm balusters

Plain

Product code	Size (mm)	Pack qty
STKQ	900×32×32	1
STK110Q	1100×32×32	1

These products are available on a 3 week leadtime.

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090Q	900×32×32	1
SC110Q	1100×32×32	1

These products are available on a 3 week leadtime.

90mm newel turnings – post-to-post handrail system – mortise and tenon fix



90mm newel turnings – over-the-post handrail system – continuous fix



90mm complete newels



90mm newel bases



Newel caps for 90mm newels



Ball

Product code	Size (mm)	Pack qty
NC2/90Q	106×85×85	1
NC2/90Q Half	106×85×41	1



Acorn

Product code	Size (mm)	Pack qty
NC3/90Q	131×85×85	1
NC3/90Q Half	131×85×41	1



Pyramid

Product code	Size (mm)	Pack qty
NC7Q	50×115×115	1



Handrails – Heavy Duty Rail

for 41mm spindles





HDR2400/41Q

2400×59×59

HDR3600/41Q

3600×59×59

HDR4200/41Q	HDR2400/32Q	HDR3600/32Q	HDR4200/32Q
4200×59×59	2400×59×59	3600×59×59	4200×59×59
1	1	1	1

All handrails are supplied with fillet strips.

Baserails

Product code

Size (mm)

Pack qty

for 41mm spindles

for 32mm spindles





	7			7		
Product code	BR2400/41Q	BR3600/41Q	BR4200/41Q	BR2400/32Q	BR3600/32Q	BR4200/32Q
Size (mm)	2400×63×28	3600×63×28	4200×63×28	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1	1	1	1

All baserails are supplied with fillet strips.

_____I

Fittings for HDR profile

					-	
Product code	HCQ	HTQ	OCO	OEQ	ORQ	SCQ
Description	Horizontal cap	Horizontal turn	Opening cap	Over easing	Opening rise	Straight cap
Pack qty	1	1	1	1	1	1

					6
Product code	UEQ	UE90Q	VTQ	VL-LHQ	VL-RHQ
Description	Up easing	Up easing 90 degrees	Vertical turn	Left hand volute	Right hand volute
Pack qty	1	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.



41mm turned spindles

Colonial*

Product code	Size (mm)	Pack qty
CS090	900 x 41 x 41	1
CS110	1100 x 41 x 41	1

^{*}Turned centre profile.

Imperial

Product code	Size (mm)	Pack qty
IS090	900×41×41	1
IS110	1100×41×41	1

Provincial*

Product code	Size (mm)	Pack qty
PS090	900×41×41	1
PS110	1100×41×41	1

^{*}Square centre profile.

41mm balusters

Plain

Product code	Size (mm)	Pack qty
STK090/41	900×41×41	1
STK110/41	1100×41×41	1

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090/41	900×41×41	1
SC110/41	1100×41×41	1

Stop Chamfer Flute

Product code	Size (mm)	Pack qty
SCF090	900×41×41	1
SCF110	1100×41×41	1

Flute detail appears on 2 faces and chamfer is on all 4 edges.

Trademark Hemlock

32mm turned spindles

Georgian

Product code	Size (mm)	Pack qty
GM090	900×32×32	1
GM110	1100×32×32	1

Hemlock featuring Provincial spindle with matching newel.



32mm balusters

Plain

Product code	Size (mm)	Pack qty
STK	900×32×32	1
STK110	1100×32×32	1

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090	900×32×32	1
SC110	1100×32×32	1

Windsor

Product code	Size (mm)	Pack qty
SM090	900×32×32	1
SM110	1100×32×32	1



90mm newel turnings – post-to-post handrail system – mortise and tenon fix

Tulip

Product code NT160/90 NT160/90 Half NT415/90 NT202/90
Size (mm) 725x90x90 725x90x43 710x90x90 497x90x90
Pack qty 1 1 1 1 1

Turned profile.

Provincial



Square profile.

90mm newel turnings – over-the-post handrail system – continuous fix

Tulip



Trademark Hemlock

90mm complete newels



*Intermediate.

90mm newel bases

Product code	Size (mm)	Pack qty
NB510/90	510×90×90	1
NB510/90 Half	510×90×43	1
NB700/90	700×90×90	1
NB915/90	915×90×90	1
NB1375/90	1375×90×90	1
NB2000/90	2000×90×90	1
NB2850/90	2850×90×90	1

Newel caps

for 90mm newels

	Ball	Acorn	Provincial	Pyramid	Square
			-		9
Product code	NC2/90	NC3/90	PNC/90	NC7	NC8
Size (mm)	106×85×85	131×85×85	131×85×85	50×115×115	27×114×114
Pack qty	1	1	1	1	1
Product code	NC2/90 Half	NC3/90 Half	PNC/90 Half	NC7 Half	NC8 Half
Size (mm)	106×85×41	131×85×41	131×85×41	50×115×56	27×114×56
Pack qty	1	1	1	1	1



Handrails – Heavy Duty Rail

for 41mm spindles

for 32mm spindles

		ı			1	
Product code	HDR2400/41	HDR3600/41	HDR4200/41	HDR2400/32	HDR3600/32	HDR4200/32
Size (mm)	2400×59×59	3600×59×59	4200×59×59	2400×59×59	3600×59×59	4200×59×59
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles

for 32mm spindles

Product code	BR2400/41	BR3600/41	BR4200/41	BR2400/32	BR3600/32	BR4200/32
Size (mm)	2400×63×28	3600×63×28	4200×63×28	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1	1	1	1

All baserails are supplied with fillet strips.

Trademark Hemlock

Fittings for HDR profile

Product code	HC	HT	ОС	OE	OR	SC
Description	Horizontal cap	Horizontal turn	Opening cap	Over easing	Opening rise	Straight cap
Pack qty	1	1	1	1	1	1

					6
Product code	UE	UE90	VT	VL-LH	VL-RH
Description	Up easing	Up easing 90 degrees	Vertical turn	Left hand volute	Right hand volute
Pack qty	1	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.



41mm turned spindles



Product code Size (mm) Pack qty CS090W 900 x 41 x 41 1 CS110W 1100 x 41 x 41 1



Product code	Size (mm)	Pack qty
IS090W	900×41×41	1
IS110W	1100×41×41	1



41mm balusters

Plain

		Pack
Product code	Size (mm)	qty
STK090/41W	900×41×41	1
STK110/41W	1100×41×41	1

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090/41W	900×41×41	1
SC110/41W	1100×41×41	1

Primed stop chamfer baluster and newel.

32mm turned spindles

Georgian

Product code	Size (mm)	Pack qty
GM090W	900×32×32	1
GM110W	1100×32×32	1

Edwardian

Product code	Size (mm)	Pack qty
EM090W	900×32×32	1
EM110W	1100×32×32	1

32mm balusters

Plain

Product code	Size (mm)	Pack qty
STKW	900×32×32	1
STK110/32W	1100×32×32	1

Stop Chamfer

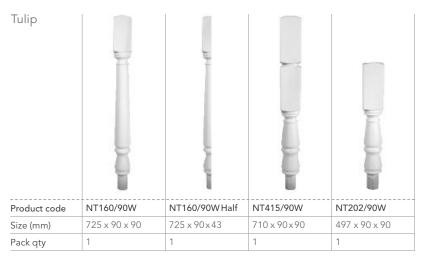
Product code	Size (mm)	Pack qty
SC090W	900×32×32	1
SC110/32W	1100×32×32	1



Primed Colonial spindle with tulip newel and Sapele handrail.



90mm newel turnings – post-to-post handrail system – mortise and tenon fix



90mm complete newels





90mm newel bases

Product code	Size (mm)	Pack qty
NB510/90W	510×90×90	1
NB510/90W Half	510×90×43	1
NB700/90W	700×90×90	1
NB915/90W	915×90×90	1
NB1375/90W	1375×90×90	1
NB2000/90W	2000×90×90	1
NB2850/90W	2850×90×90	1

Newel caps for 90mm newels

	Ball	Acorn	Pyramid
	9	3	
Product code	NC2/90W	NC3/90W	NC7W
Product code Size (mm)	NC2/90W 106×85×85	NC3/90W 131×85×85	NC7W 50×115×115
Size (mm)			50×115×115
Size (mm) Pack qty	106×85×85	131×85×85	50×115×115

Handrails – Heavy Duty Rail

for 41mm spindles

for 32mm spindles

Product code	HDR2400/41W	HDR3600/41W	HDR4200/41W	HDR2400/32W	HDR3600/32W	HDR4200/32W
Size (mm)	2400×59×59	3600×59×59	4200×59×59	2400×59×59	3600×59×59	4200×59×59
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles

for 32mm spindles

Product code	BR2400/41WS	BR3600/41WS	BR4200/41WS	BR2400/32WS	BR3600/32WS	BR4200/32WS
Size (mm)	2400×63×28	3600×63×28	4200×63×28	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1	1	1	1

All baserails are supplied with fillet strips.

Fittings for HDR profile

			0	
Product code	HTW	OEW	UEW	VTW
Description	Horizontal turn	Over easing	Up easing	Vertical turn
Pack qty	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.



41mm turned spindles

Colonial*

Product code	Size (mm)	Pack qty
CS090P	900×41×41	1
CS110P	1100 x 41 x 41	1

^{*}Turned centre profile.

Imperial

Product code	Size (mm)	Pack qty
IS090P	900×41×41	1
IS110P	1100×41×41	1

Provincial*

Product code	Size (mm)	Pack qty
PS090P	900×41×41	1
PS110P	1100×41×41	1

^{*}Square centre profile.

41mm balusters

Plain

Product code	Size (mm)	Pack qty
STK090/41P	900×41×41	1
STK110/41P	1100×41×41	1

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090/41P	900×41×41	1
SC110/41P	1100×41×41	1

Stop Chamfer Flute

Product code	Size (mm)	Pack qty
SCF090P	900×41×41	1
SCF110P	1100×41×41	1

Flute detail appears on 2 faces and chamfer is on all 4 edges.

32mm turned spindles

Georgian

Product code	Size (mm)	Pack qty
GM090P	900x32x32	1
GM110P	1100×32×32	1

Edwardian

Product code	Size (mm)	Pack qty
EM090P	900×32×32	1
EM110P	1100×32×32	1



Painted Pine featuring stop chamfer flute baluster & matching newel with stained Sapele handrail.

32mm balusters

Plain

Product code	Size (mm)	Pack qty
STKP	900×32×32	1
STK110/32P	1100×32×32	1

Stop Chamfer

Product code	Size (mm)	Pack qty
SC090P	900×32×32	1
SC110/32P	1100×32×32	1

Windsor

Product code	Size (mm)	Pack qty
SM090P	900×32×32	1
SM110P	1100×32×32	1



90mm newel turnings – post-to-post handrail system – mortise and tenon fix

Tulip					
Product code	NT160/90P	NT160/90P Half	NT222/90P	NT415/90P	NT202/90P
Size (mm)	725×90×90	725×90×43	787×90×90	710×90×90	497×90×90
Pack qty	1	1	1	1	1

Turned profile.

Provincial				
Product code	PNT160P	PNT160P Half	PNT415P	PNT202P
Size (mm)	725×90×90	725×90×43	710×90×90	479×90×90
Pack qty	1	1	1	1

Square profile.



90mm complete newels



^{*}Intermediate.

90mm newel bases

Pack Product code Size (mm) qty NB510/90P 510×90×90 NB510/90P Half 510×90×43 NB700/90P 700×90×90 NB915/90P 915×90×90 1 NB1375/90P 1375×90×90 NB2000/90P 2000×90×90 1 NB2850/90P 2850×90×90

Newel caps for 90mm newels

	Ball	Acorn	Provincial	Pyramid	Square
	0	\$	-		
Product code	NC2/90P	NC3/90P	PNC/90P	NC7P	NC8P
Size (mm)	106×85×85	131×85×85	131×85×85	50×115×115	27×114×114
Pack qty	1	1	1	1	1
Product code	NC2/90PHalf	NC3/90P Half	PNC/90PHalf	NC7PHalf	NC8P Half
Size (mm)	106×85×41	131×85×41	131×85×41	50×115×56	27×114×56
Pack qty	1	1	1	1	1



Handrails – Heavy Duty Rail

for 41mm spindles

for 32mm spindles

Product code	HDR2400/41P	HDR3600/41P	HDR4200/41P	HDR2400/32P	HDR3600/32P	HDR4200/32P
Size (mm)	2400×59×59	3600×59×59	4200×59×59	2400×59×59	3600×59×59	4200×59×59
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips.

Baserails

for 41mm spindles

for 32mm spindles

Product code	BR2400/41PS	BR3600/41PS	BR4200/41PS	BR2400/32PS	BR3600/32PS	BR4200/32PS
Size (mm)	2400×63×28	3600×63×28	4200×63×28	2400×63×28	3600×63×28	4200×63×28
Pack qty	1	1	1	1	1	1

All baserails are supplied with fillet strips.



Newel drops

for 90mm newels

Product code	Size (mm)	Pack qty
ND560/90P	560×90×90	1

Fittings for HDR profile

		1	2	
Product code	HTP	OEP	UEP	VTP
Description	Horizontal turn	Over easing	Up easing	Vertical turn
Pack qty	1	1	1	1

Fittings can be used with 41mm or 32mm spindles.

Trademark Slender Pine

41mm slender spindles

Product code Size (mm) Pack qty SL090P 900x41x41 1 SL110P 1100x41x41 1

Slender newel turnings – post-to-post handrail system – bracket fix



For 82mm newel.

Handrails for 41mm spindles

Product code	SLHR2400/41P	SLHR3600/41P	SLHR4200/41P
Size (mm)	2400×59×62	3600×59×62	4200×59×62
Pack qty	1	1	1

All handrails are supplied with fillet strips.

Baserails for 41mm spindles

Product code	SLBR2400/41P	SLBR3600/41P	SLBR4200/41P
Size (mm)	2400×40×59	3600×40×59	4200×40×59
Pack qty	1	1	1

All baserails are supplied with fillet strips.

Trademark Slender Pine



Slender caps



Product code	Size (mm)	Pack qty
SLNCP*	40×94×94	1

^{*}For 82mm newel.

Fittings

Product code	SLHTP	SLVTP	SLUEP
Description	Horizontal turn	Vertical turn	Up easing
Pack qty	1	1	1

Fittings can be used with 41mm or 32mm spindles.

Accessories

Slender fitting bracket including cover plate



Product code	Size (mm)	Pack qty
SLBP	N/A	2

Slender wall rosette



		Pack
Product code	Size (mm)	qty
SLWRP	Ø110	1

Trademark Slender in Pine.



Trademark Metal Balusters

Balusters – for use with ungrooved handrails and baserails

Boston

Product code	BT085B
Size (mm)	850×12.5×12.5
Pack qty	1

Charleston

Product code	CB085B
Size (mm)	850×12.5×12.5
Pack qty	1

Savannah

Product code	SB085B
Size (mm)	850×12.5×12.5
Pack qty	1



Product code EB085B Size (mm) 850×12.5×12.5 Pack qty 1

Beaufort

Product code	BB085B
Size (mm)	850×12.5×12.5
Pack qty	1

Madison

Product code	MB085B
Size (mm)	850×12.5×12.5
Pack qty	1



Trademark Metal Balusters



Fixing kits

Product code	MBLPB	MBLAND10	MBRPB	MBRAKE10
Description	Landing pack	Landing multi-pack	Staircase pack	Staircase multi-pack
Pack qty	2	10	2	10

Fixing kit packs. 2 pack = Quantity enough for 1 baluster. 10 pack = Quantity enough for 5 balusters.

Ungrooved handrails & baserails – for use with metal balusters

	HDR profile h	andrails ungro	oved	Baserails ungr	ooved	
Product code	HDR2400P	HDR3600P	HDR4200P	BR2400P	BR3600P	BR4200P
Size (mm)	2400×59×59	3600×59×59	4200×59×59	2400×55×22	3600×55×22	4200×55×22
Pack qty	1	1	1	1	1	1

Trademark Pine featuring Edisto and Madison metal balusters.



Boxed rail kits



^{*}Unfinished rails.



^{**}Pre-finished rails with a clear lacquer.

Boxed rail kit suitable for runs of 3.6 metres contains:

- 3×1.2 metre timber lengths, $4 \times$ wall mounted handrail connectors,
- 2 x handrail end caps & fitting instructions.

Accessories

0	
Product Code RB	
Description Rail bolts	
Pack Qty 1 pack of 3	

Handrails

Round



Mop Stick

Wood Type	Pine
Product Code	FB856
Size (mm)	4200ר44
Pack Oty	1

Pigs Ear



Round handrail fittings

				the owner has
Wood Type	White Oak	Pine	Pine	Pine
Description	Horizontal Turn	Over easing	Up easing	Horizontal Turn
Product Code	RHRHTWO	RHROEP	RHRUEP	RHRHTP
Size (mm)	Ø54	Ø54	Ø54	Ø54
Pack Qty	1	1	1	1

Handrail end caps and brackets

Antique brass



Pewter



Chrome



Brushed Nickel



Gun Metal



Round

Pack Qty



Brass Effect



Silver Effect



Black

				N
Product Code	RHR01BL	RHR02BL	RHR03BL	BLWB
Pack Qty	1 pack of 2	1 pack of 2	1 pack of 2	2

Multi-pack wall brackets

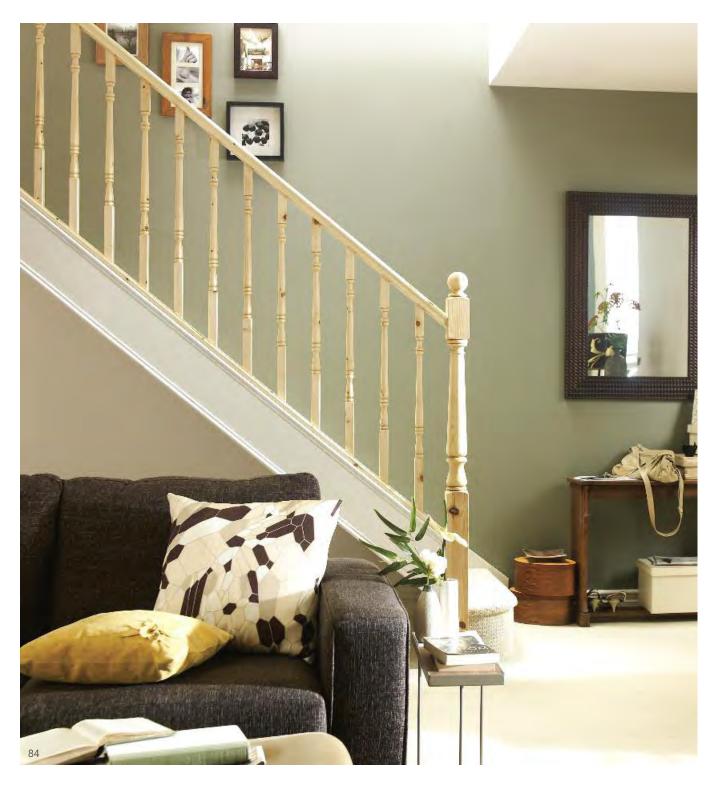


Top: NEW – Gun metal end cap and wall connector with White Oak pre-finished rail. Bottom: NEW - Wall mounted handrail kit octagonal chrome

finish with White Oak handrail.







The following products feature in this image:

Product code	Description
GM090P	Hallmark Georgian Spindle
N160P	Hallmark Turned Bottom Newel
LHR3600/32P	Hallmark Light Handrail
BR3600/32P	Hallmark Baserail
NB915P	Hallmark Newel Base
NC2P	Hallmark Ball Cap

(All products are Pine).

Price points



Pine

Installation method



Traditional (post-topost handrail system – mortise and tenon fix)



Post-to-post handrail system – bracket fix

Testing categories



Domestic

Hallmark

Affordable aspiration

Hallmark bulk pack spindles

Edwardian

Product code	Size (mm)	Pack qty
EM090PB20	900×32×32	20

Georgian

Product code	Size (mm)	Pack qty
GM090PB20	900×32×32	20

82mm newels – post-to-post handrail system – bracket fix

Turned					
Product code	N160P	N160AP	N415AP	N160BP	N160DP
Description	Bottom	Тор	Intermediate	Cornerlanding	Half
Size (mm)	725×82×82	725×82×82	710×82×82	725×82×82	725×82×39
Pack qty	1	1	1	1	1

Stop Chamfer			6		
Product code	SCN160P	SCN160AP	SCN415AP	SCN160BP	SCN160DP
Description	Bottom	Тор	Intermediate	Cornerlanding	Half
Size (mm)	725×82×82	725×82×82	710×82×82	725×82×82	725×82×39
Pack qty	1	1	1	1	1

Hallmark Pine



82mm newels – post-to-post handrail system – mortise and tenon fix





82mm complete newels – post-to-post handrail system – mortise and tenon fix





Pine featuring Georgian spindle with bracket fix tulip newel.

Hallmark Pine

82mm newel bases



Product code	Size (mm)	Pack qty
NB510P	510x82x82	1
NB510P Half	510×82×39	1
NB635P	635×82×82	1
NB635P Half	635×82×39	1
NB700P	700×82×82	1
NB915P	915×82×82	1
NB1375P	1375×82×82	1
NB2000P	2000×82×82	1
NB2850P	2850×82×82	1

Newel drops for 82mm newels



Product code	Size (mm)	Pack qty
ND560P	560×82×82	1

Accessories



	·)
Product code	HS
Description	Hole Saw (50mm)
Pack qty	2

Newel caps

for 82mm newels

	Ball		Acorn		Square	
			\$			
Product code	NC2P	NC2PHalf	NC3P	NC3P Half	NC8P/82	NC8P/82 Half
Size (mm)	95×75×75	95×75×36	119×76×76	119×76×36	27×106×106	27×106×51
Pack qty	1	1	1	1	1	1



Handrails – Light Hand Rail

for 41mm spindles

for 32mm spindles

Product code	LHR2400/41P	LHR3600/41P	LHR4200/41P	LHR2400/32P	LHR3600/32P	LHR4200/32P
Size (mm)	2400×66×40	3600×66×40	4200×66×40	2400×66×40	3600×66×40	4200×66×40
Pack qty	1	1	1	1	1	1

All handrails are supplied with fillet strips. For 41mm spindles see Trademark Pine section, page 63.

Baserails

for 41mm spindles

for 32mm spindles



All baserails are supplied with fillet strips. For 41mm spindles see Trademark Pine section, page 63.

Fittings

Product code	LHTP	LOEP	LUEP	LVTP
Description	Horizontal turn	Over easing	Up easing	Vertical turn
Pack qty	1	1	1	1

Accessories

Fitting bracket including cover plate



Product code	Size (mm)	Pack qty
SBP	N/A	2

Wall rosette



Product code	Size (mm)	Pack qty
CWR	Ø110×26	4



Technical Information

Stair balustrade

Whatever you need, we're here to help.

The following pages contain information on Building Regulations, the suitability of our products and helpful configuration drawings explaining how and where our stair balustrade ranges can be used.

CHECK OUT THE UPDATED AND REINVENTED STAIRPLANNER™

Transforming your hallway with a heavenly new staircase has just got easier, thanks to our recently updated STAIRPLANNERTM; which allows you to plan your stairparts in three easy steps.

Visitors to www.richardburbidge.com can click on the Stairplanner link to select from the full range of Richard Burbidge stair balustrade and can choose from two different user modes – 'Easy Mode', which allows you to have fun experimenting with different styles, and 'Detail Mode', which allows you to plan exactly what parts you need for your own staircase.

Customer services +44 (0) 1691 678300 email info@richardburbidge.co.uk

Technical helpline +44 (0) 1691 678212

www.richardburbidge.com

'Easy Mode', allows you to move user-friendly cursors to your preferred style, timber shade, fixing method and price options, and gives you four suggested styles;. Once selected choose the closest configuration of your stairs and hey presto!

You'll be presented with a visual of how your chosen staircase will look, along with an estimated overall project cost.

'Detail Mode' allows you to tailor the plan by inputting your exact staircase configuration and choosing your preferred components.

The new Stairplanner features stunning photography and clear staircase configuration diagrams, along with handy information icons, which give you a clear indication of budget and the level of DIY skill required. It also features all 32 stair balustrade systems available, including ten new systems, making it the ideal tool for planning your staircase revamp!

Visit www.richardburbidge.com and click on Stairplanner to find out more. Alternatively, please contact the Richard Burbidge Customer Service Team on +44 (0) 1691 678300 or email info@richardburbidge.co.uk for further product or technical advice.



www.richardburbidge.com



Rules & Regulations.

Approved Document K of the Building Regulations 2000: Stairs, Ramps and Guards gives provisions for stairways in the design and building of stairways which form part of the structure and guidance on the aspects of geometry and guarding of stairs.

BS585 Part 1 1999: Woodstairs covers specifications for stairs with closed risers for domestic use, including straight and winder flights and quarter or half landings. Appendix A of this standard also details the recommendations for the site fixing of stairs.

BS5395 Part 1 2010: Stairs, Ladders and Walkways covers the design of straight stairs.

BS6180 1999: Code of practice for protective barriers in and about buildings.

DEFINITIONS

Private stairs intended to be used for only one dwelling with a maximum rise of 220mm and a minimum going of 220mm. A maximum pitch of 42° is stipulated for domestic stairs. Institutional and assembly stairs serving a place where a substantial number of people will gather, with a maximum rise of 150mm and a minimum going of 280mm. Buildings with a maximum rise of 190mm and a minimum going of 250mm are covered by all other stairs.

Note - Institutional and assembly stairs plus other, both reference Approved Document M, Access and facilities for disabled people for the maximum permissible rise of stairs providing access for disabled people.

The normal relationship between the dimensions of the rise and going can be expressed as detailed in Approved Document K, which states that twice the rise plus the going (2R+G) should be between 550mm and 700mm.

Pitch - The angle between the pitch line (notional line connecting nosings) and the horizontal. The maximum pitch for domestic stairs is 42°, semi-public stairs, e.g. factories, offices and common stairs serving more than one dwelling, 38° and public stairs, e.g. places of public assembly, 33°.

Height of handrails - Approved
Document K states that flights should
have a handrail on at least one side if
they are less than one metre wide and
on both sides if they are wider than one
metre. There is no need for handrails
beside the bottom two steps of a
stairway. Minimum domestic handrail
heights of 900mm for both stairs and
landings, public handrail heights should
be a minimum of 900mm on stairs and
1100mm on landings.

It is also a Building Regulations requirement that no openings in any balustrading should allow the passage of a 100mm sphere.

SUITABILITY FOR USE

Richard Burbidge stair balustrade systems in all timber types have been fully tested by BM TRADA for conformity to domestic requirements as stated in the Building Regulations Part K, 'The guarding should be able to resist a horizontal force of 0.36kN for each metre of length if it guards a private stairs'. In addition, spindles have been subjected to a separate test as stated in BS6180 table 2 column 4(a).

Richard Burbidge also manufacture a number of systems for shared access and commercial use tested to the higher strength requirements of 0.74kN including Fusion Commercial, Heritage and Classic ranges.

Richard Burbidge stair balustrade systems were tested using traditional draw-bored mortise and tenon joints (post-to-post handrail system – mortise and tenon fix), patented universal brackets (post-to-post handrail system – bracket fix) and tie-rail bolts/metal fixing plates (over-the-post handrail system – continuous fix). We do not recommend the use of any other fixing method.

Richard Burbidge stair balustrade is manufactured from high quality raw materials complying to BS1186 and are kiln dried ready for immediate internal use. All components are turned or moulded to profile and sanded to a fine finish.

Richard Burbidge Limited is a BSI registered firm ISO9002 and is the first member of the BM TRADA Q Mark Approved Timber Balustrade Scheme (certificate No. 001).

A quick guide to the woods we use.

Timber is a natural product and components may vary in colour between pieces.

Walnut - Juglans nigra. USA, Canada. An even but coarse texture; the grain is usually straight, but can be wavy. Light brown to nearly black. Polishes to a fine finish. Average weight 660kg/m³.

White Oak - Quercus alba and petraea. USA, Canada and Europe. A straight-grained medium to coarse texture hardwood. Ranges in colour from pale yellow brown to pale brown. Stains and polishes well and can also be limed. Average weight 720 to 760kg/m³.

Ash - Fraximus Americana. Distributed throughout USA and Canada. A generally straight-grained hardwood, pale brown in colour sometimes tinged red. Stains and polishes well. Average weight 670kg/m³.

Sapele - Entandrophragma cylindricum Sprague: Distributed in West and East Africa. Medium to dark reddish brown heartwood, similar to mahogany in colour. Sapele is characterised by a marked and regular stripe with an interlocked/wavy grain and is fairly close textured. Stains, varnishes and polishes extremely well. Average weight 640kg/m³.

European Beech - Fagus sylvatica L.: No colour distinction between sapwood and heartwood, the timber being pale pink following medium steaming. An immensely strong timber that outperforms oak for bending strength, stiffness and shear by some 20%. It is also stronger in resistance to impact loads. It works well, producing a good, smooth surface and stains and polishes to an excellent finish. Average weight 720kg/m³.

Hemlock - Tsuga heterophylla Sarge: Western hemlock, a non-resinous North American softwood. Pale brown, straight grained with a fairly even texture. Can be painted, stained, varnished or polished. Average weight 500kg/m³.

Pine - Pinus sylvestris L.: Commonly referred to as European redwood or Scots pine. Creamy white to yellow sapwood with a distinctive yellow/reddish brown resinous heartwood. Ideal for painting, staining and varnishing. Average weight 510kg/m³.

ACCLIMATISATION

IMPORTANT - You should note that acclimatising timber products by leaving in the room or a room with a similar humidity for at least 48 hours is essential if problems associated with shrinkage and expansion are to be avoided. Storing stair balustrading, for example, in a cold and damp garage for months and then using for immediate internal installation is not good trade practice. This is due to timber being a natural material that both absorbs and loses moisture. The rule of thumb to remember is 'timber plus water/moisture equals expansion' and 'timber plus heat equals shrinkage'. It is therefore extremely important to seal/finish your timber products once installed by painting, staining or varnishing (see page 103 for some ideas).

Classic White Oak with volute.





The parts of a staircase explained.

Baluster/spindle - The vertical member, plain or decorative, that acts as the infill between the handrail and baserail (or tread if cut string).

Balustrade - The collective name for the complete assembly of handrails, baserails, newels, spindles and caps.

Post-to-post handrail system – bracket fix -Patented Richard Burbidge Limited system which uses a bracket to fix the handrail to the specially designed newels.

Bullnose step - Usually at the bottom of the stairs with one or both ends of the step having a guarter circle design.

Closed string - A string with the face housed/trenched to accommodate treads and risers so their profile cannot be seen.

Over-the-post handrail system -

continuous fix - Using straight lengths of handrail connected to handrail fittings and ramps, the handrail flows over the tops of newel turnings creating a continuous run of handrail.

Curtail step - A decorative shaped step at the bottom of the stairs usually accommodating the volute and volute newel turning of the continuous handrail system.

Cut or open string - A string with the upper edge cut away to the shape of the treads and risers so that their profile can be seen from the side.

Going - The going of a flight of stairs is the horizontal distance between the face of the first and last risers. The individual going of a step is measured from face of riser to face of riser and for domestic use should be a minimum of 220mm.

Newel - Accommodates the strings, handrails and treads/risers of stairs.

Nosing - The edge of the tread projecting beyond the face of the riser and the face of a cut string.

Pitch - The angle between the pitch line and the horizontal.

Pitch line - The notional line connecting the nosings of all treads in a flight of stairs.

Rake - The pitch of the stairs.

Rise - The rise of a flight is the vertical distance between the floors or landings connected by the flight. The individual rise is the vertical measurement from top of tread to top of tread.

Riser - The board that forms the face of the step. The maximum individual rise for domestic flights is 220mm. Staircase - The entire structure relating to a stair, comprising steps, treads, risers, strings, balustrading, landings etc.

Stairway/stairwell - The space/void provided for the stairs.

Step - The tread and riser combined.

String margin - The distance between the top of the string and the pitch line measured at 90° to the pitch line.

Tread - The top or horizontal surface of a step.

Wall string - The string of a staircase fixed flush with a wall.

Winders - Are radiating steps narrower at one end that are used to change the direction of a stairs through 90° or 180°.

Fig. 1 - Elevation and section

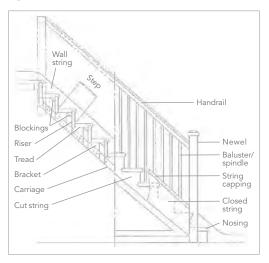


Fig. 2 - Rise and going

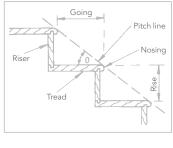


Fig. 3 - Balustrades and handrails

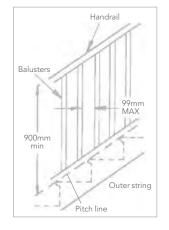
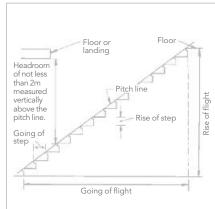


Fig. 4 - Restrictions on flights



How we've made fitting easier.

Richard Burbidge stair balustrade components have been designed for use in the majority of staircase configurations. No staircase need present a problem if the components are used and installed in the correct manner. To assist, the following post-to-post handrail system – bracket fix, post-to-post handrail system – mortise and tenon fix and over-the-post handrail system – continous fix configurations illustrate the most popular bottom of flight, intermediate and top landing options in the construction of staircases. The individual components are identified on each illustration together with a simple plan view of the stairs.

All diagrams are based on domestic staircases with a maximum pitch of 42°, individual rise of 200mm and individual going of 223mm. Handrail heights for both stairs and landing are illustrated at the minimum UK Building Regulations stipulation of 900mm. Further advice on all systems is available by contacting our technical advisors on +44 (0) 1691 678212.

Post-to-post handrail system – mortise and tenon fix

Fig. 1 - Bottom of flight - Straight with straight step

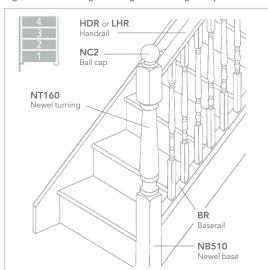


Fig. 2 - Bottom of flight - Straight with straight step

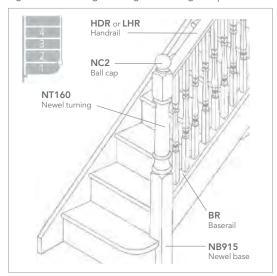
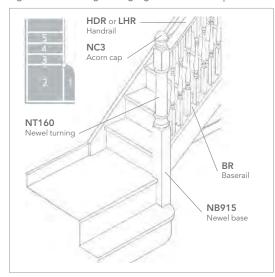


Fig. 3 - Bottom of flight - Dog leg with bullnose step



Post-to-post handrail system – mortise and tenon fix (continued)

Fig. 4 - Bottom of flight - Winders



Fig. 5 - Bottom of flight - Dog leg with straight step

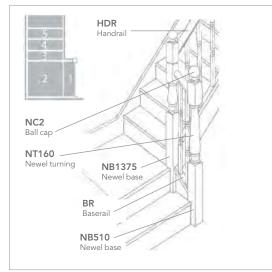


Fig. 6 - Bottom of flight -Dog leg with straight step and pulpit end

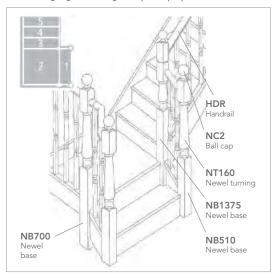


Fig. 7 - Bottom of flight -Dog leg with double bullnose and pulpit end

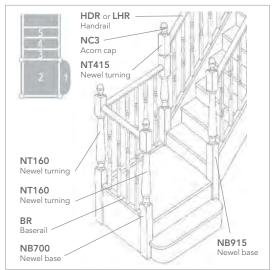


Fig. 8 - Intermediate landing - Quarter turn with landing

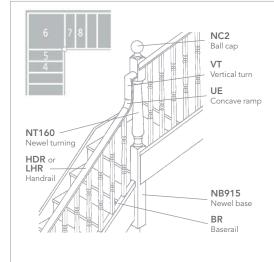
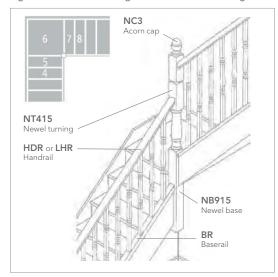


Fig. 9 - Intermediate landing - Quarter turn with landing



Post-to-post handrail system – mortise and tenon fix (continued)

Fig. 10 - Intermediate landing -Quarter turn with three winders

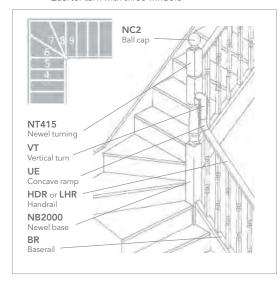


Fig. 11 - Intermediate landing -Quarter turn with three winders

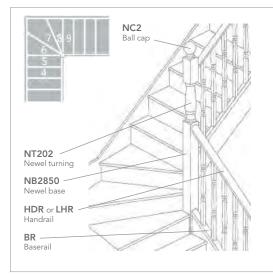


Fig. 12 Intermediate landing - Quarter turn with four winders

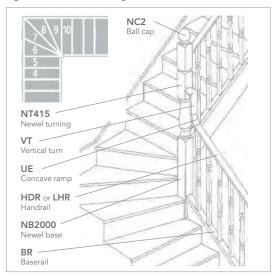


Fig. 13 - Intermediate landing - Half turn with landing

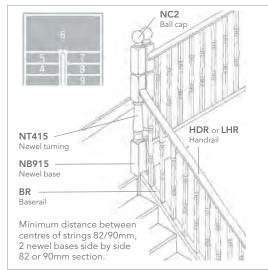


Fig. 14 - Intermediate landing - Half turn with landing

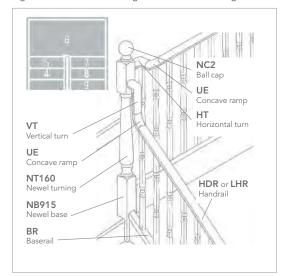
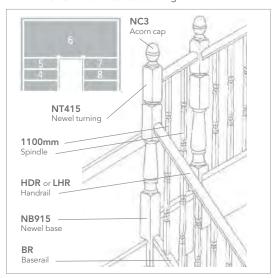


Fig. 15 - Intermediate landing -Half turn with extended landing



STAIRPLAM --

Post-to-post – mortise and tenon system (continued)

Fig. 16 - Top landings - Top landing with 90° turn

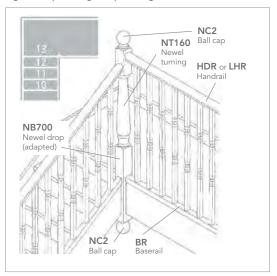


Fig. 17 - Top landings - Top landing with 180° turn

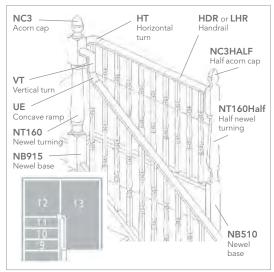


Fig. 18 - Top landings - Top landing with 180° turn

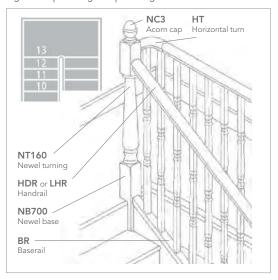


Fig. 19 - Top landings - Top landing 180° turn with winders

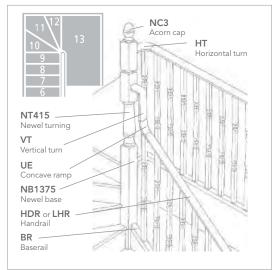


Fig. 20 - Top landings - 90° turn with straight rail

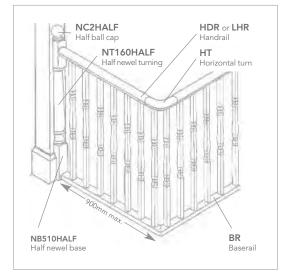
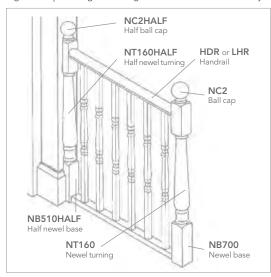


Fig. 21 - Top landings - Landing or horizontal balustrade only



Post-to-post handrail system – mortise and tenon fix (continued)

Fig. 22 - Top landings - Corner landing newel

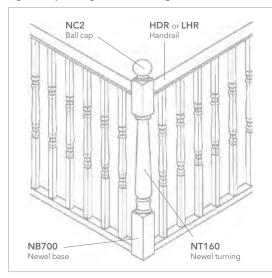
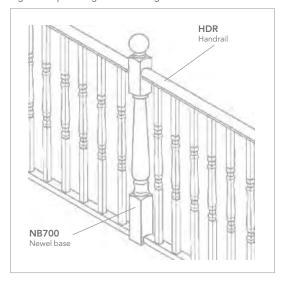


Fig. 23 - Top landings - Mid landing newel



Hallmark Pine featuring Georgian spindle and tulip newel.



STAIRPLAM ---

Over-the-post handrail system – continuous fix

Fig. 1 - Bottom of flight - Straight with curtail step

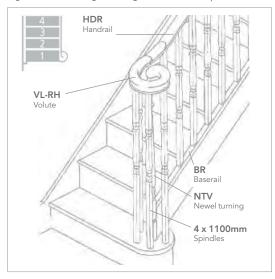


Fig. 2 - Bottom of flight - Straight with straight step

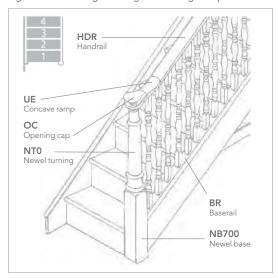
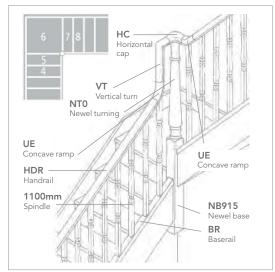


Fig. 3 - Intermediate landings - Quarter turn with landing



 $Fig.\ 4-Intermediate\ landings-Half\ turn\ with\ landing$

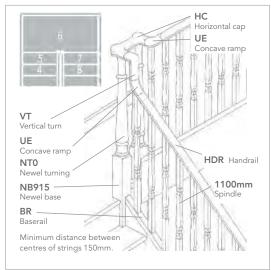


Fig. 5 - Top landings - Top landing with 90° turn

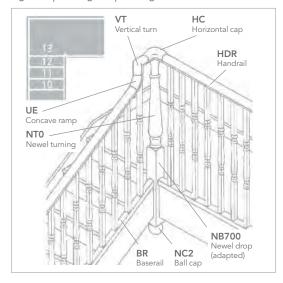
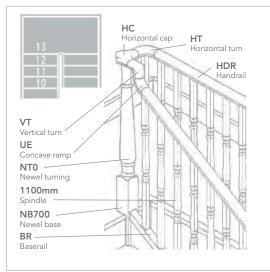


Fig. 6 - Top landings - Top landing with 180° turn



Over-the-post handrail system – continuous fix (continued)

Fig. 7 - Top landings - 90° turn with corner landing newel

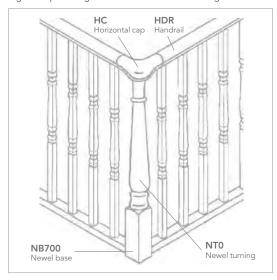
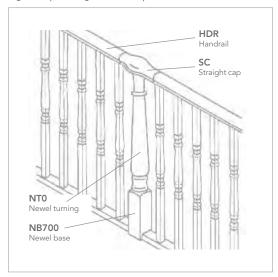


Fig. 8 - Top landings - Over-the-post rail over mid newel





Classic White Oak featuring fluted spindle and matching newel with right hand volute.

SYA/RPLANDO ---

Post-to-post handrail system – bracket fix

Fig. 1 - Bottom of flight - Straight with straight step

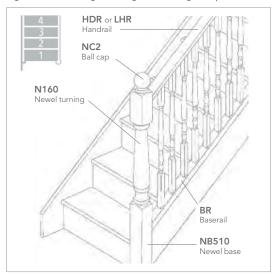


Fig. 2 - Bottom of flight - Straight with bullnose step

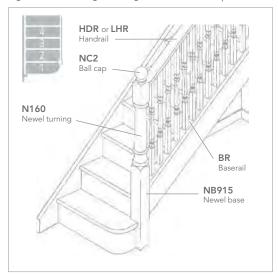


Fig. 3 - Bottom of flight - Dog leg with bullnose step

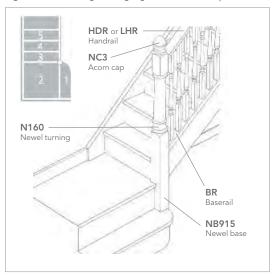


Fig. 4 - Bottom of flight - Winders

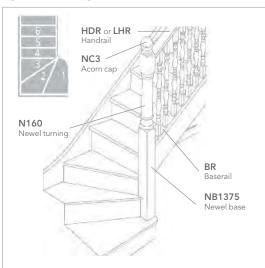


Fig. 5 - Bottom of stairs - Dog leg with straight step

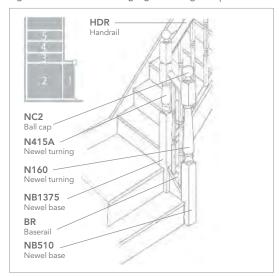
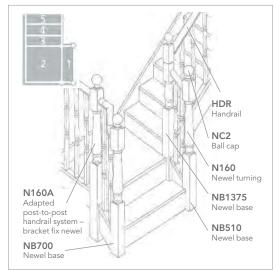


Fig. 6 - Bottom of stairs Dog leg with straight step and pulpit end



Post-to-post handrail system – bracket fix (continued)

Fig. 7 - Bottom of stairs -Dog leg with double bullnose and pulpit end

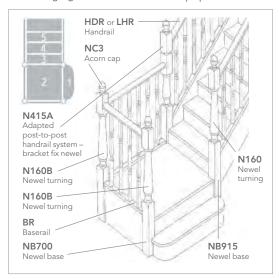


Fig. 8 - Intermediate landing - Quarter turn with landing

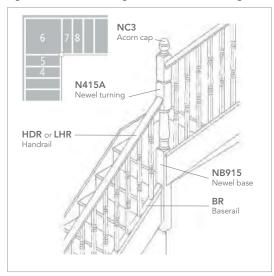


Fig. 9 - Intermediate landing - Quarter turn with winders

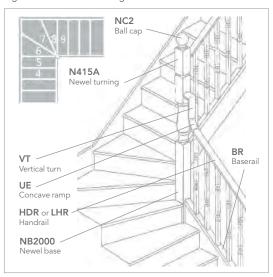


Fig. 10 - Intermediate landing - Half turn with landing

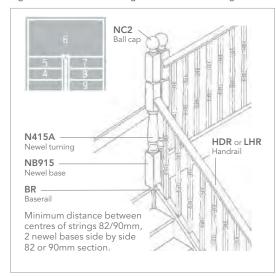


Fig. 11 - Intermediate landing -Half turn with extended landing

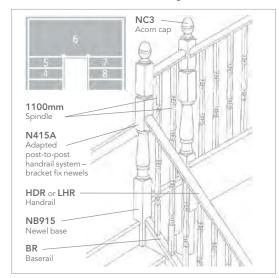
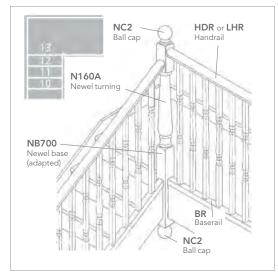


Fig. 12 - Landings - Top landing with 90° turn



SYAIRPLAND ---

Post-to-post handrail system – bracket fix (continued)

Fig. 13 - Landings - Top landing with 90° turn and extra rise

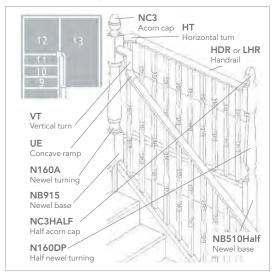


Fig. 14 - Landings - Top landing with 180° turn

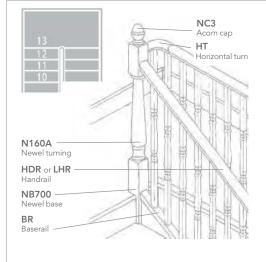


Fig. 15 - Landings - Top landing 180° turn with winders

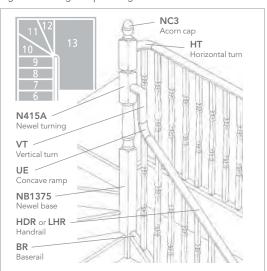


Fig. 16 - Landings - 90° turn with post-to-post handrail system – mortise and tenon fix

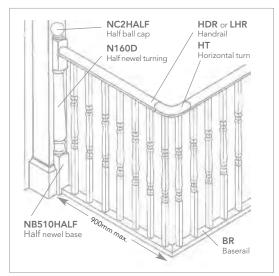


Fig. 17 - Landings - Landing and horizontal balustrade only

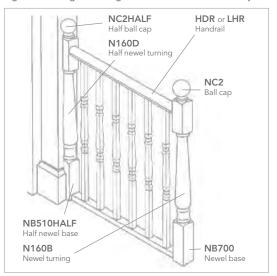
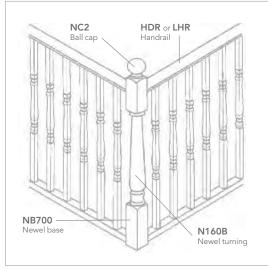
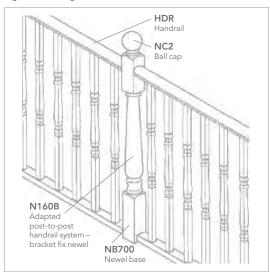


Fig. 18 - Landings - Corner landing newel



Post-to-post handrail system – bracket fix (continued)

Fig. 19 - Landings - Mid newel



Hallmark Pine featuring Georgian spindle with bracket fix tulip newel.





Other situations

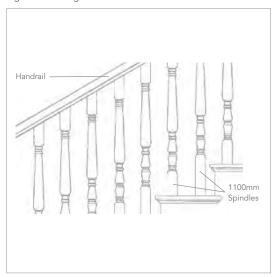
CUT STRING

There are two ways of installing spindles to a cut string staircase. The traditional method used by professional tradesmen is to fix the spindles to the top of the tread by constructing a stub tenon woodworking joint.

An alternative and more modern way of fixing is to cut individual lengths of baserail and screw to each tread. The spindles and fillets are then fixed as normal by glueing and pinning. This method is excellent for carpet finishes.

Both methods of installation use 1100mm length spindles on the front and back edges of the tread.

Fig. 1 - Cut string



CEILING LINE / STRING OVER STRING (Figs 2 and 3)

When a handrail hits the underside of a ceiling line or second flight string we recommend that you run a length of handrail up from the bottom newel until it meets the ceiling/string and a further length of handrail along the underside of the ceiling/string. Where the two handrails meet they should be mitred together and fixed using a combination of glue, screws, dowels and/or metal plate.

As spindles reach the underside of the ceiling/string they will become shorter in length, to maintain an aesthetically pleasing balance with the pitch of the stairs and handrail, keep the bottom square of all spindles the same length and reduce the spindle from the top downwards. Depending on the style of spindle you are using it may be necessary to cut into the turned part of the spindle and to space you should cut the timber fillets/spacers with a coping saw to suit the spindles radius. Fix the spindles and fillets as normal with glue and panel pins/lost head nails.

Fig. 2 - Ceiling lines

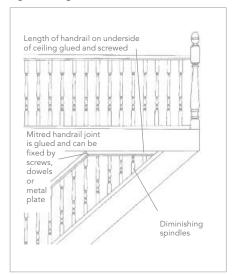
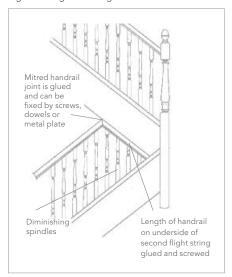


Fig. 3 - String over string



Figures 2 and 3 are suitable for HDR handrail applications.

FUSION® Domestic

Fig. 1 - Bottom flight - Fusion straight with straight step

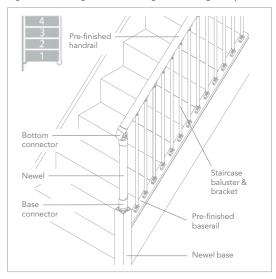


Fig. 2 - Bottom flight - Fusion straight with bullnose step

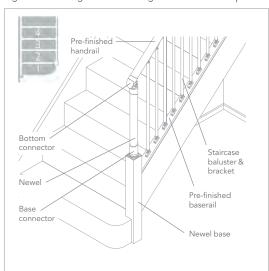


Fig. 3 - Bottom flight - Fusion dogleg with bullnose step

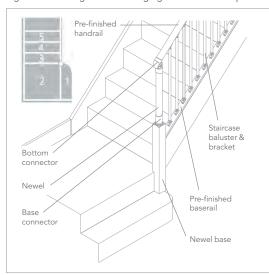


Fig. 4 - Bottom flight - Fusion winders

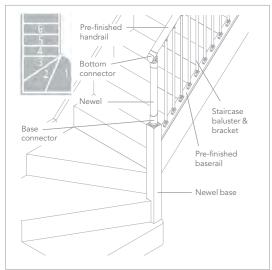


Fig. 5 - Bottom flight -Fusion dogleg with double bullnose & pulpit end

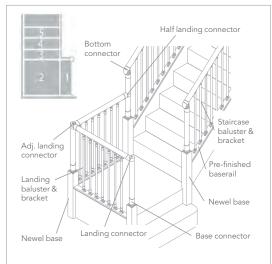
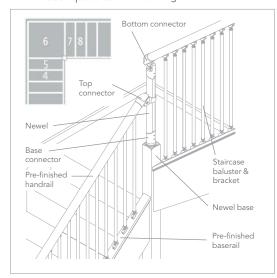


Fig. 6 - Intermediate landing -Fusion quarter turn with landing



STAIRPLAND OF THE OWNER OWNER

FUSION® Domestic (continued)

Fig. 7 - Intermediate landing -Fusion quarter turn with three winders

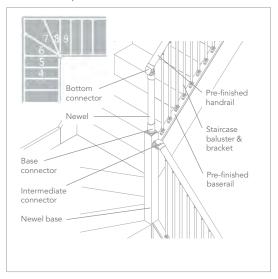


Fig. 10 - Top landing -Fusion top landing with 180° turn and extra rise

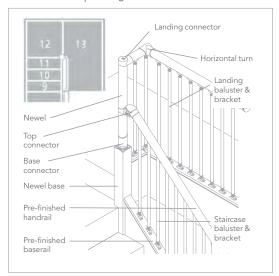


Fig. 8 - Intermediate landing -Fusion half turn with extended landing

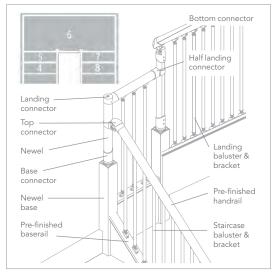


Fig. 11 - Top landing - Fusion top landing with 180° turn

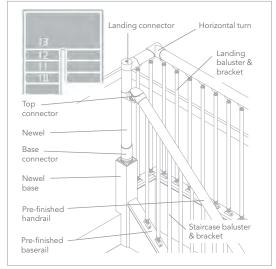


Fig. 9 - Top landing - Fusion top landing with 90° turn

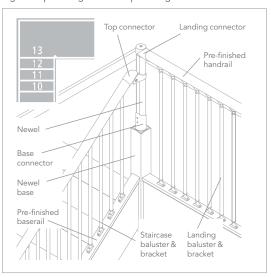
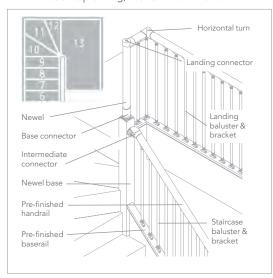


Fig. 12 - Top landing -Fusion top landing, 180° turn with winders



FUSION® Domestic (continued)

Fig. 13 - Top landing - Fusion top landing corner newel

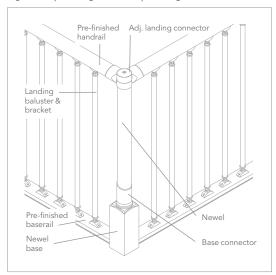


Fig. 14 - Top landing - Fusion top landing mid newel

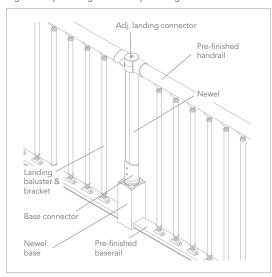


Fig. 15 - Top landing -Fusion landing or horizontal balustrades only

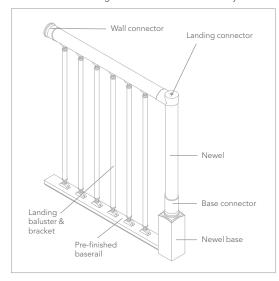


Fig. 16 - Bottom of flight -Fusion straight with straight step cut string

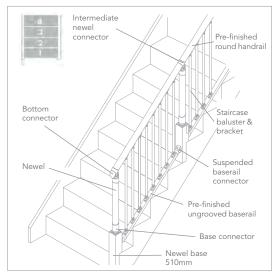


Fig. 17 - Intermediate landing -Fusion quarter turn with landing cut string

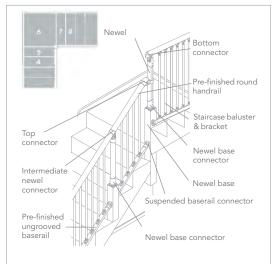
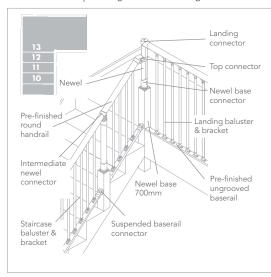


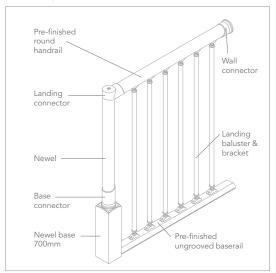
Fig. 18 - Top landing -Fusion top landing 90° turn cut string





FUSION® Domestic (continued)

Fig. 19 - Top landing - Fusion





Fusion featuring glass panels with White Oak and brushed nickel finish.

Fusion featuring acrylic panels with White Oak and brushed nickel finish.



Installation information

Post-to-post handrail system – mortise and tenon fix

The Richard Burbidge Post-to-post handrail system – mortise and tenon fix (also known as post-to-post) is designed for traditional fixing using mortise and tenon joints to fix the handrails to newels.

This system is designed primarily for professional installation by tradesmen who are fully conversant with this type of traditional woodworking joint.

We recommend that tenons are constructed so that they are a minimum one-third the width of the handrail and half the the length of the newel post. Tenons should be draw bored using a minimum 9mm diameter dowel.

We do not recommend the use of post-to-post handrail system – bracket fix newel base heights when setting out the post-to-post handrail system – mortise and tenon fix. Newel base heights for this system should be calculated by setting out the newels and establishing where the handrail will meet the newel post.

Post-to-post handrail system – mortise and tenon fix stairparts have been designed to achieve minimum domestic handrail heights of 900mm for both stairs and landings.

To calculate how many spindles you will need count the number of treads between newels on the stairs. Allow 2 spindles per tread and 1 spindle per tread that has a newel post. For example a 12 tread staircase with newels at the bottom and top of the stairs will generally require 22 spindles.

For landings and horizontal balustrades measure the horizontal distance in millimetres and divide by 112 for 32mm spindles and 121 for 41mm spindles.

Building Regulations state that the gap between any part of the balustrade should not allow the passage of a 100mm sphere.

Over-the-post handrail system – continuous fix

The Richard Burbidge over-the-post handrail system – continuous fix (also known as over-the-post) is designed for professional installation by skilled tradesmen.

This system uses straight lengths of handrail connected to a series of shaped handrail fittings and ramps which allow the handrail to flow over the tops of newels.

All handrail fittings and ramps are supplied over long and will need to be cut down to suit the individual staircase pitch.

Handrail fittings and ramps are supplied with tie-rail bolts to allow jointing of the fittings to rails. Full instructions on how to use the tie-rail bolts are supplied with the fittings.

To calculate how many spindles you will need count the number of treads between newels on the stairs. Allow 2 spindles per tread and 1 spindle per tread that has a newel post. For example a 12 tread staircase with newels at the bottom and top of the stairs will generally require 22 spindles.

For landings and horizontal balustrades measure the horizontal distance in millimetres and divide by 112 for 32mm spindles, 121 for 41mm spindles, 126 for 46mm spindles and 135 for 55mm spindles.

Building Regulations state that the gap between any part of the balustrade should not allow the passage of a 100mm sphere.

Trademark White Primed colonial spindles, tulip newels and stained pine handrail.



STAIRPLAM ---

Post-to-post handrail system – bracket fix

The Richard Burbidge patented post-to-post handrail system – bracket fix enables stair balustrade to be replaced and constructed quickly and easily without the need for professional woodworking mortise and tenon joints. The post-to-post handrail system – bracket fix has been specifically designed to save time using pre-drilled newels and a unique adjustable bracket that secures handrails to newels.

Post-to-post handrail system – bracket fix stairparts have been designed to achieve minimum domestic handrail heights of 900mm for both stairs and landings.

Brackets are sold individually apart from the N160D half newel which comes complete with a universal half bracket.

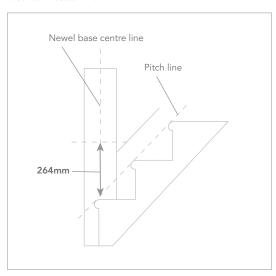
To calculate how many spindles you will need count the number of treads between newels on the stairs. Allow 2 spindles per tread and 1 spindle per tread that has a newel post. For example a 12 tread staircase with newels at the bottom and top of the stairs will generally require 22 spindles.

For landings and horizontal balustrades measure the horizontal distance in millimetres and divide by 112 for 32mm spindles and 121 for 41mm spindles.

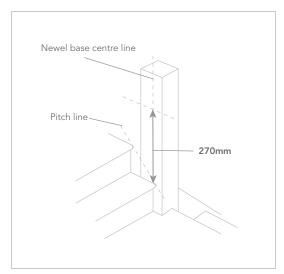
When using metal balusters on landings divide the horizontal measurement in millimetres by 112mm.

Building Regulations state that the gap between any part of the balustrade should not allow the passage of a 100mm sphere.

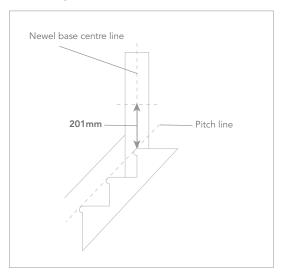
Bottom of stairs post-to-post handrail system – bracket fix newel base height using 160 post-to-post handrail system – bracket fix bottom newel



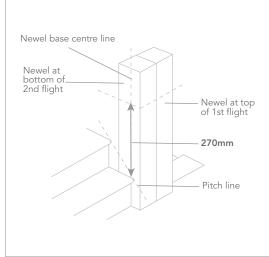
90° quarter landing post-to-post handrail system – bracket fix newel base height using 415A intermediate post-to-post – bracket fix newel



Top of stairs post-to-post handrail system – bracket fix newel base height using 160A post-to-post handrail system – bracket fix top newel



Half landing post-to-post handrail system – bracket fix newel base heights using 415As intermediate post-to-post handrail system – bracket fix newels



Creating a perfect finish.

Once Richard Burbidge products have been installed they must be finished to seal the pores, protect the surface and give an attractive appearance. Successful finishing will depend on correct preparation of the surface, filling of nail holes and sanding to remove marks which have occurred during installation, for example.

We recommend that all finishes are applied to test pieces so that the finish obtained is the one that you wish to achieve. Please read manufacturer's instructions carefully. Richard Burbidge display models are spray lacquered. A similar finish can be achieved using brush applied methods follow the simple guidelines alongside for a perfect finish.

Brush applied varnish

- Sand the surface with a fine grade sandpaper. Traces of dust and grease can be removed using a cloth dampened with white spirit.
- First coat mix together one part white spirit, three parts polyurethane clear varnish and if a colour is required one part spirit based wood stain/dye.
- Allow at least eight hours to dry.
 Lightly rub down using a fine grade
 wire wool and apply a coat of clear
 varnish only.
- Allow at least eight hours to dry and apply two further coats of clear varnish.

Spray applied varnish

- 1. Rub down with 240 grit sandpaper and apply one coat of sanding/sealer.
- 2. Allow to dry and denib/sand with a fine grade wire wool.
- 3. Apply two coats of pre-cat lacquer (if a coloured finish is required use tinted pre-cat lacquer).

Note - Remember, a clear varnish will change the colour of wood which should be considered before deciding on a coloured finish. Practice on off-cuts before applying to product.

Hallmark Pine featuring Georgian spindle with bracket fix tulip newel.



Finishing advice



The following details are examples of some of the more popular ways of finishing. Of course, before applying your chosen finish (stain, paint or varnish) your timber product should be properly prepared. Pin/nail holes should be filled with a proprietary filler and the product sanded to remove blemishes that can occur during installation.

Varnish

Available in clear matt, satin and gloss finishes and also tinted/coloured, varnish gives a tough, durable and hardwearing finish which requires minimal maintenance and is heat and water resistant. Coloured varnishes have the advantage of being suitable for application on previously varnished surfaces. When applying coloured varnishes you should note that as they do not penetrate the wood like a true wood stain/dye it is a good idea to finish with a couple of coats of clear varnish which will prevent colour loss due to wear and tear.

As well as polyurethane varnishes there are a number of acrylic/water-based varnishes which are solvent free, have a low odour and are extremely quick drying. They also have the advantage of easy brush maintenance and require only a quick rinse with water after use.

Oils

Oils can be used to seal timber. They do, however, tend to be used on hardwoods only as softwoods discolour and become dirty very quickly. There are various types available which are easy to apply, usually by rag or brush. Teak oil is quick drying whilst danish oil has the advantage of being able to accept a varnish for added protection. Linseed oil is slow drying and tends to be soft.

Wood stains/dyes

These will penetrate the wood and are used to enhance the colour and to some extent unify and neutralise the natural colour variations that occur in timbers. They tend to dry quickly and are usually applied with a cloth along the grain. Before it is dry, excess stain/dye is wiped off with a lint-free cloth. Wood stains/dyes do not seal the timber and require a varnish or polish application to finish.

Protective wood stains

All in one finish enhances the colour of wood and is normally brush applied. Unlike wood stains/dyes it also seals the timber and is quick drying with further coats being applied after just two hours.

French polish

This gives a very good gloss finish. It is applied by building up in layers and is made from a mixture of shellac and alcohol, with a fair degree of skill required to achieve a good finish.

French polish does not provide any real protection, with the surface not resistant to scratches, heat, water or alcohol and is normally applied to surfaces that receive little wear and tear. A modern alternative two part treatment is 'plastic coating', which does provide resistance to heat, liquids and scratches.

Liming

This is best applied to coarse grained woods such as oak. A traditional mixture for liming oak can be achieved by mixing unslaked lime with water. Once applied and semi-dry any surplus is wiped off. When dry this is rubbed down with glasspaper and a coat of french polish is added, with a final coat of white polish to finish. Alternatively, an easier method is to mix white matt emulsion with water to the same consistency as milk and brush into the grain, wiping off before setting. To finish and seal two coats of satin varnish are applied, giving an eggshell shine. Liming wax is also available, which is quick and easy to apply.

Paint

Use a 'knotting' solution on live knots and resinous areas. This prevents resin bleeding/seeping through onto the finished surface. New bare timber should have a coat of primer, followed by one or two coats of undercoat. Finish with a topcoat of gloss. There are numerous painting finishes and techniques, for example, crackle, glaze, marble or mottled effects.