Fitting Instructions

CHESHIRE mouldings
Love the home you're in

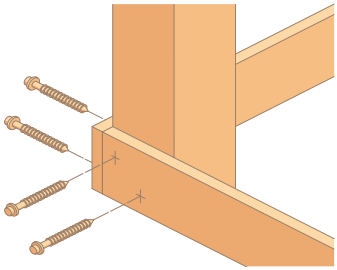
plan your DECK
www.planyourdeck.co.uk

Contents

Points to Remember	pg 3
Turned/Squared/Stop Chamfered	pg 3-5
Chamfered Range	pg 6-7
Panels	pg 8-10
Clearview	pg 11

Installing your Timber Accessories

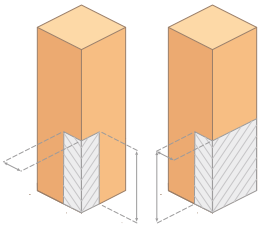
Points to remember



Consult a structural engineer or builder for high level decks over 600mm. The Axxys Hi-Level Deck Range has been specifically designed for elevated decks of 600mm and more. It has been independently tested by TRADA and the TDA.

The maximum recommended length of rails between posts is 2400mm.

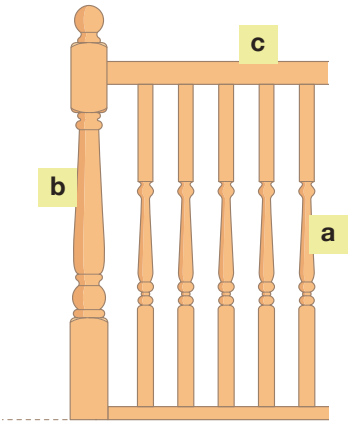
The space between spindles must not allow a 100mm ball to pass through.



Newel posts can be fixed to either the inside or outside of the frame. When fitting to the inside, use 100mm landscape screws and ensure that two faces of the post can be secured through two joists at 90° if possible.

Posts that are fixed to the side of the deck should be half lapped or rebated when on a corner.

Turned / Square / Stop Chamfered Range



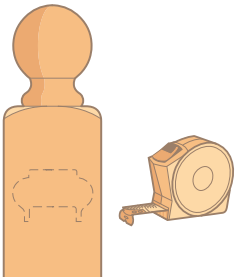
Turned Spindles (a), Square Spindles (not shown), Stop Chamfered Spindles (not shown), Turned Newel (b) Universal Rail (c) and Deck Rail Bolt (not shown).

The versatile universal rail can be utilised as both a top rail and bottom rail.

Determine the height of the universal rail in relation to the Turned Newel post.

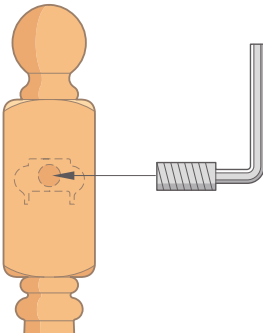
Installing your Timber Accessories

Using a 22mm flat bit, drill the post to a depth of10mm.



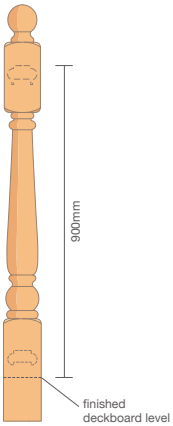
Using a 10mm drill bit, drill down the centre of the 22mm hole to a total depth of 30mm. Using an 8mm hexagonal key, screw the metal insert into the 10mm hole.

Mark and drill all remaining posts in exactly the same way and fix inserts into position.



To determine the finished deckboard level, measure 900mm from the top of the stencilled higher handrail, and mark a line on all four faces of the post.

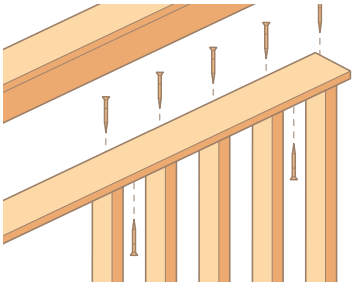
In order to mark the position on the bottom rail, measure up 75mm from the deckboard level. Again, a small piece of rail should be utilised to mark out the profile onto the newel post.



The spindles can now be fitted to the handrails. Make sure you leave enough room for the metal angle bracket of the deck rail bolt at each end.

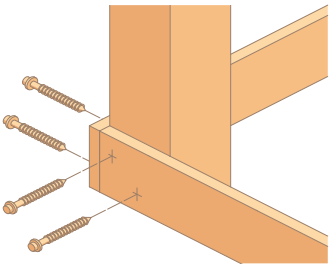
Installing your Timber Accessories

When using the universal rail, spindles are attached to the bottom rail and fillet before attaching the handrail and bottom rail to the newel posts.



To determine the length of spindle needed, use a small section of fillet, insert into the top rail and place against the stencilled profile on the newel post. From the fillet measure down to the bottom stencilled profile and this will give you the length of spindle required. Once you have cut the spindle to the required length, attach them to the bottom rail by using 75mm screws.

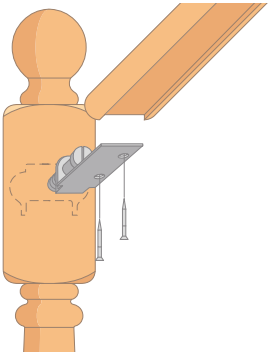
The spindles are attached to the fillet by using a 50mm screw and screwing down through the fillet into the end of the spindle.



Bolt the metal angle bracket of the deck rail bolt to the insert.

You should now be able to fix the spindles and universal bottom rail to the universal top rail. Then attach the handrails onto the newel posts by using the deck rail bolt.

In order to attach the fillet to the handrail securely, you should fix it every 3rd or 4th spindle with 40mm screws.

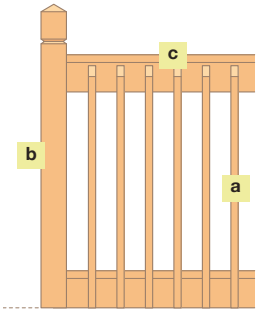


You should now have a complete panel of posts, rails and balustrading that can be attached to the joist framework using 100mm landscape screws. Ideally, fix the newels so that two faces of the post can be secured through two joists at 90°.

Installing your Timber Accessories

Chamfered Range

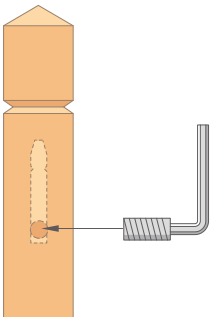
Chamfered Spindles (a), Patrice Newel (b), Rail (c) and DeckRail Bolt (not shown).



Determine the height of the rail in relation to the Patrice Newel.

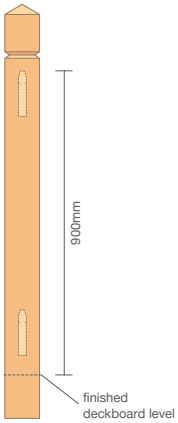
To make this job easier, use a small portion of rail and mark out the profile onto the newel post using a pencil.

To determine the finished deckboard level, measure 900mm from the top of the stencilled higher handrail, and mark a line on all four faces of the post.



In order to mark the position on the bottom rail, measure up 75mm from the deckboard level. Again, a small piece of rail should be utilised to mark out the profile onto the newel post.

All other Patrice Newels and rails should be marked in the same way.



You now need to prepare the newel for the deck rail bolt. Place the metal angle bracket of the deck rail bolt against the template of the rail you have drawn. Mark with a pencil. This is where the bolt will be drilled.

Using a 22mm flat bit, drill the post to a depth of 10mm.

Using a 10mm drill bit, drill down the centre of the 22mm hole to a total depth of 30mm. Using an 8mm hexagonal key, screw the metal insert into the 10mm hole.

Mark and drill all remaining Patrice Newels in exactly the same way and fix inserts into position.

Installing your Timber Accessories

The Chamfered Spindles can now be cut to length and attached to the rail using 40mm screws.

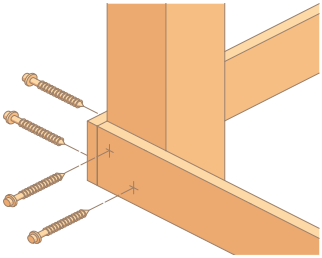
Balusters should be spaced at approximately 125mm centres giving a maximum gap between spindles of 100mm.

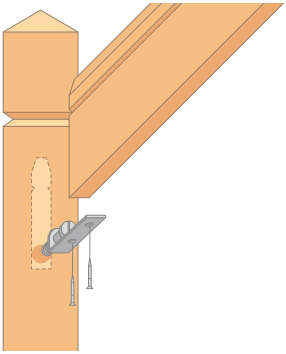
You should now have a complete panel of posts, rails and balustrading that can be attached to the joist framework using 100mm landscape screws. Ideally, fix the newels so that two faces of the post can be secured through two joists at 90°.

Using the stencil lines you have already marked on the bottom of the Patrice Newels, set the panel 75mm above the finished deckboard level.

Bolt the metal angle bracket to the insert with the bolt provided.

Installation of the deck boards can now commence.

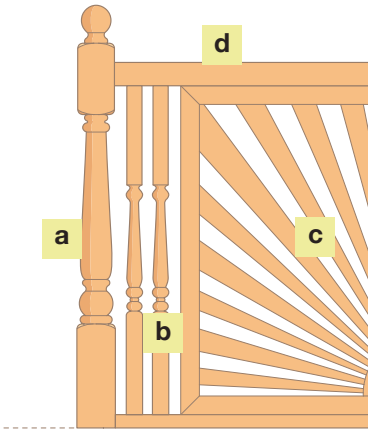




Installing your Timber Accessories

Panels

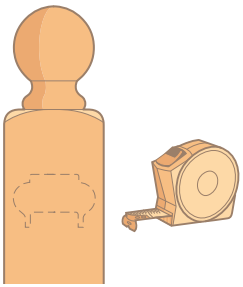
Turned Newel (a), Turned Spindle (b), Sunrise Panel (c), Universal Rail (d), (Crossed Panel not shown)



All panels and spindles are fixed using the universal rail and can be used with any of the posts or newels. The panels can also be used in combination with spindles or by themselves.

Remember that the gap between the panels, posts and spindles should not allow the passage of a 100mm sphere. Panels should be assembled to rails and posts on a clean flat surface such as a garage floor and fixed to joists as a complete unit.

The versatile universal rail can be utilised as both a top rail and bottom rail.



Determine the height of the universal rail in relation to the Turned Newel post.

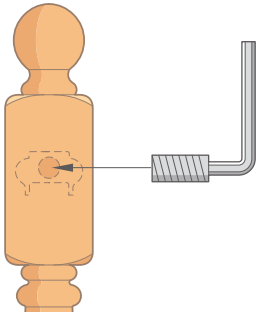
To make this job easier, use a small portion of rail and mark out the profile onto the newel post using a pencil.

You now need to prepare the newel for the Deck Rail Bolt. Using the template you have drawn on the post, measure down 12mm from the bottom of the lower rail template.

Installing your Timber Accessories

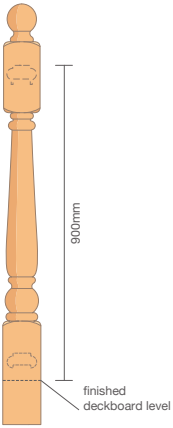
Using a 22mm flat bit, drill the post to a depth of 10mm.

Using a 10mm drill bit, drill down the centre of the 22mm hole to a total depth of 30mm. Using an 8mm hexagonal key, screw the metal insert into the 10mm hole.



Mark and drill all remaining posts in exactly the same way and fix inserts into position.

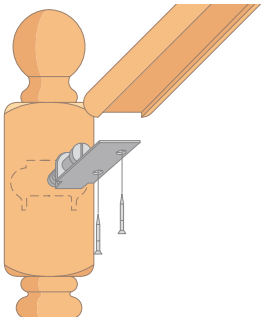
To determine the finished deckboard level, measure 900mm from the top of the stencilled higher handrail, and mark a line on all four faces of the post.



In order to mark the position on the bottom rail, measure up 75mm from the deckboard level. Again, a small piece of rail should be utilised to mark out the profile onto the newel post.

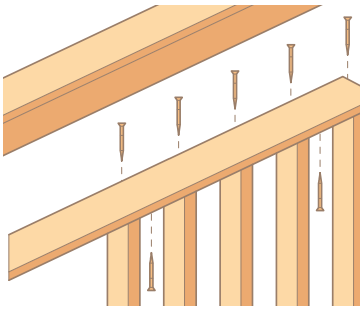
The panels and spindles can now be fitted to the handrails. Make sure you leave enough room for the metal angle bracket at each end.

When using the universal rail, the panels and spindles are attached to the bottom rail and fillet before attaching the handrail and bottom rail to the newel posts.



Installing your Timber Accessories

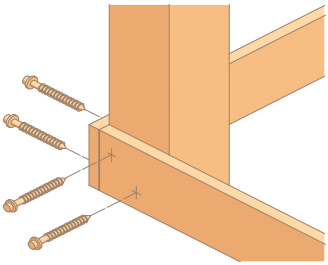
To determine the length of spindle needed, use a small section of fillet, insert into the top rail and place against the stencilled profile on the newel posts. From the fillet measure down to the bottom stencilled profile and this will give you the length of spindle required. Once you have cut the spindle to the required length, attach them to the bottom rail by using 75mm screws.



The panels and spindles are attached to the fillet by using a 50mm screw and screwing down through the fillet into the end of the panel/spindle.

Bolt the metal angle bracket to the insert with the bolt provided.

You should now be able to fix the spindles and universal bottom rail to the universal top rail. Then attach the handrails onto the newel posts by using the Deck Rail Bolt. In order to attach the fillet to the handrail securely, you should fix it every 3rd or 4th spindle with 40mm screws.



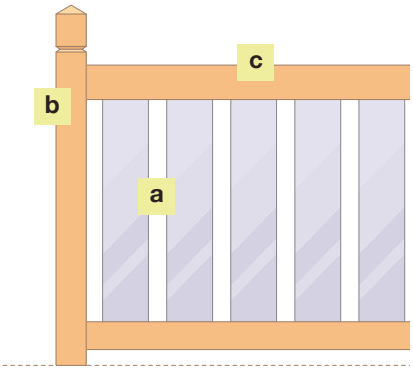
You should now have a complete panel of posts, rails and balustrading that can be attached to the joist framework using 100mm landscape screws. Ideally, fix the newels so that two faces of the post can be secured through two joists at 90°.

Note – when using a combination of spindles with timber panels always set and mark out the posts to the pre-set length of the timber panel first and then cut the spindles to suit.

Installing your Timber Accessories

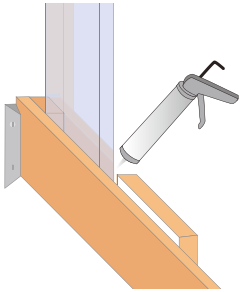
Clearview range

Clear Spindles (a), Patrice Newel (b), Clear Rail (c)



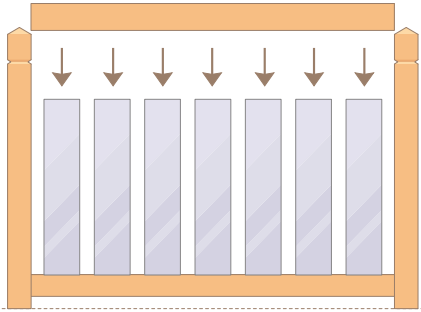
Clear Balusters are fixed using Clearview rails and can be used with patrice, or Square newels.

Determine the height of the Clear Rail in relation to the newel post. To make this job easier, use a small portion of rail and mark out the profile onto the newel post at both the top and the bottom using a pencil.



The Cleaview glass rail is fixed to the newel post using the Clearview backet. Firstly cut the rail to the determined length. Attach the Clear Rail bracket with the screws provided to either end of the rail. Fix the bottom rail in position first by slotting it into the bracket.

It's now time to insert the Clear Spindles.
The clearview rail is pre-slotted to ease installation.



Before placing the spindles into the rail it is recommended that you add silicone to the slots to hold them in position. Place the Baluster into the slots and silione around the edge to prevent rainwater from getting into the slot. Wipe away any excess.

Once all the spindles are in position the top rail can be fixed.

CHESHIRE mouldings

Love the home you're in

plan your DECK

Unit 7, Normans Road, Sutton, St Helens WA9 4JQ

01744 811 545

www.cheshiremouldings.co.uk

www.planyourdeck.co.uk