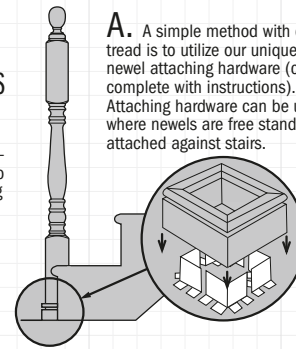


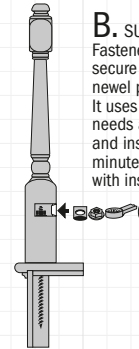
## STEP 1

### ATTACHING NEWEL POSTS

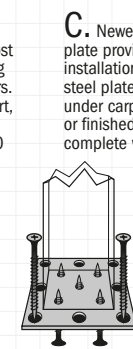
This is the "anchor" of your stairway and care must be taken to assure proper secure attachment and placement of all newels. Trim newel post to required height (as per local building code). Depending on the type of construction there are many ways in which newel posts may be attached.



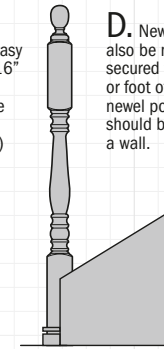
**A.** A simple method with open tread is to utilize our unique newel attaching hardware (comes complete with instructions). Attaching hardware can be used where newels are free standing or attached against stairs.



**B.** SURE-TITE Newel Fasteners are one of the most secure methods of mounting newel posts to finished floors. It uses floor joists for support, needs additional framing and installs in as little as 10 minutes. (comes complete with instructions)



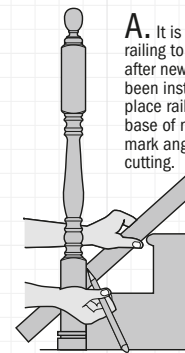
**C.** Newel post fastener plate provides quick and easy installation. This heavy 3/16" steel plate can be used under carpet, over concrete or finished floors. (comes complete with instructions)



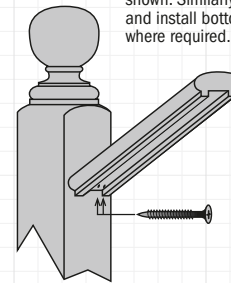
**D.** Newel posts can also be notched and secured to bottom riser or foot of half wall. Half newel posts or rosettes should be used against a wall.

## STEP 2

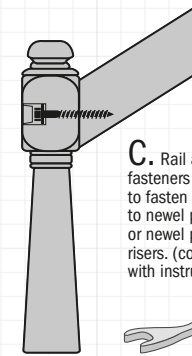
### ATTACHING RAILING



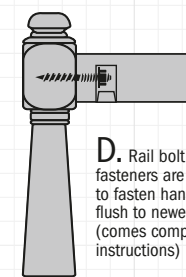
**A.** It is best to cut railing to size and angle after newel posts have been installed. Simply place railing against base of newel post and mark angle of line for cutting.



**B.** Attach handrail to newel post as shown. Similarly cut and install bottom rail where required.



**C.** Rail and post fasteners can be used to fasten handrails to newel posts and/or newel posts to stair risers. (comes complete with instructions)

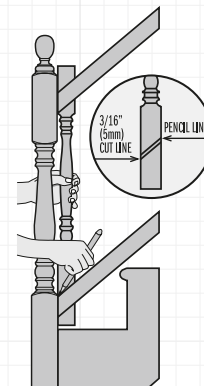


**D.** Rail bolt fasteners are best used to fasten handrails flush to newel post. (comes complete with instructions)

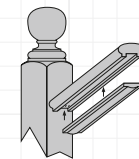
NOTE: Rail-bolt wrench is available for all above applications

## STEP 3

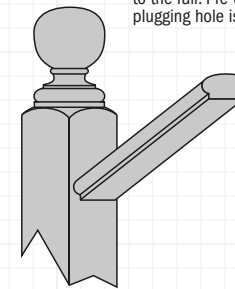
### ATTACHING WOOD SPINDLES



**A.** Channeled Rail - Hold spindle tight against newel post making sure the turned area is centred. Mark angle with pencil guided by the top and bottom rails. This gives you correct angle and height. Be sure to add 3/16" (5mm) to allow for depth of slot in each rail. DO NOT CUT TO SHORT!



Install spindles one at a time, alternately with fillets. Then apply adhesive to both ends of spindle and place in channel. Apply adhesive to fillet and insert in channel before positioning next spindle. Finally secure spindles and fillets with finishing nails.



**B.** Non-Channeled Rails - This application requires precise cutting as the spindle is attached directly to the rail. Pre-drilling, screwing and plugging hole is usually required.

**C.** Hardware such as baluster fasteners are available to ease installation and add strength to spindle/rail application. (comes complete with instructions)

