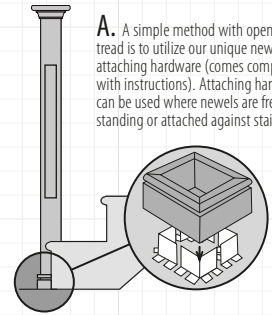


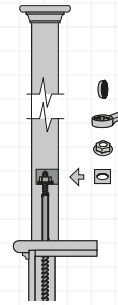
STEP 1

Attaching Newel Posts

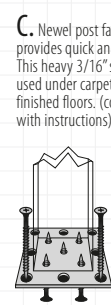
This is the "anchor" of your stairway and care must be taken to assure proper secure attachment and placement of all newels. Trim newel post to required height (as per local building code). Depending on the type of construction there are many ways in which newel posts may be attached.



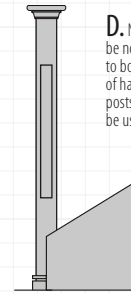
A. A simple method with open tread is to utilize our unique newel attaching hardware (comes complete with instructions). Attaching hardware can be used where newels are free standing or attached against stairs.



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)



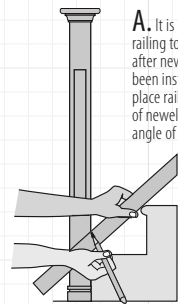
C. Newel post fastener plate provides quick and easy installation. This heavy 3/16" steel plate can be used under carpet, over concrete or finished floors. (comes complete with instructions)



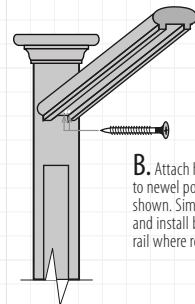
D. Newel posts can also be notched and secured to bottom riser or foot of half wall. Half newel posts or rosettes should be used against a wall.

STEP 2

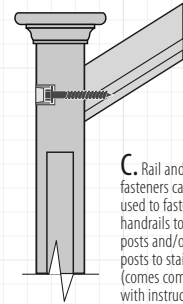
Attaching Railing



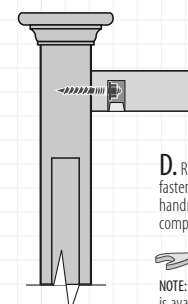
A. It is best to cut railing to size and angle after newel posts have been installed. Simply place railing against base of newel post and mark angle of line for cutting.



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)

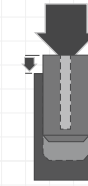
NOTE: Rail-bolt wrench is available for all above applications

STEP 3

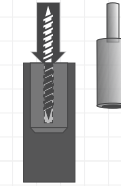
Attaching Metal Spindles



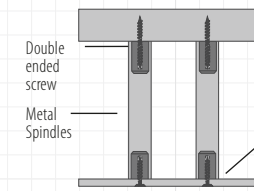
A. Chamfer 4 Corners of Plastic Plug



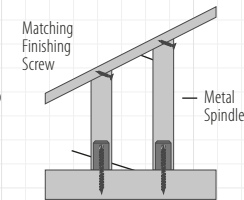
B. Insert Plug into the end of the square metal Spindle.



C. Insert Double Ended Screw into the Plastic Plug. Driver available for easy installation of Double ended Screw.



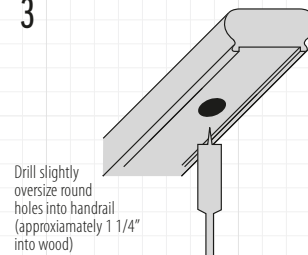
D. For Straight Railing Applications, metal spindle can be screwed directly into the Handrail and Secured onto the Stringer Plate by screwing up from the underside using a flat head screw.



For Stair Applications, Cut the top of the Spindle to the angle of the handrail (34" or 42") Pre drill the top of the metal Spindle on an angle into the handrail and finish with a matching finishing screw.

STEP 3

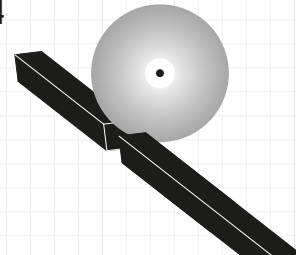
Drill Holes



Drill slightly oversize round holes into handrail (approximately 1 1/4" into wood)

STEP 4

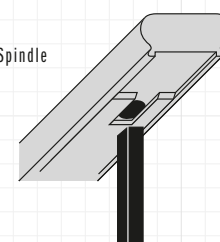
Cut Metal Spindles to Size



STEP 5

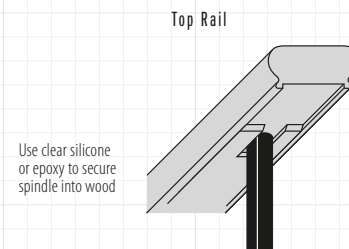
Inserting Metal Spindle

Insert Metal Spindle into round hole and finish using pre-notched fillet.

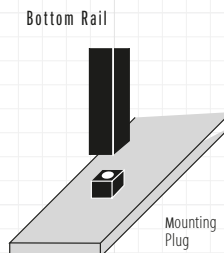


STEP 6

Secure Spindle



Use clear silicone or epoxy to secure spindle into wood



Mounting Plug



Option: Slant Shoes and/or Flat Shoes can be used