



POST INSTALLATION INSTRUCTIONS



- Please read all instructions completely before starting any installation of our railing systems.
- Rail sections come in 6ft and 8ft.
- Posts are available in RESIDENTIAL rated (2.5" and 3.0") and COMMERCIAL (3" .125 wall with 6 boss channels).
- Optimum railing should be installed using accepted building principles in accordance with local building codes and installation guidelines.
- Optimum has been tested by Intertek and meets the current testing standards for IRC and IBC construction codes.
- If you have any questions, please call us or check the website for more install details.
- **SAFETY:** Always be safe and follow all instructions when using power tools and always wear safety goggles!
- Any questions? Call 844-332-5338 and ask for your railing specialist.



IMPORTANT: Consult your local building code official and check all code requirements
IMPORTANT: If installing post lighting, wiring must be installed prior to securing posts.

RECOMMENDED TOOLS

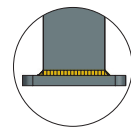
- Level
- Rubber Mallet
- 2-Speed Square
- Cordless Drill and Impact Driver
- Quick Clamp Grips
- Measuring Tape
- 13/64" Drill Bit
- #3 Screwdriver Bit
- Utility Knife
- Measuring Tape

Attachment hardware to your substrate is not included. Flange plate holes are sized to accept up to a 3/8" or M10 fastener. The use of lag screws for wood or wedge anchors for concrete should be installed per the fasteners recommendation with ideal substructure conditions that meet proper building codes.

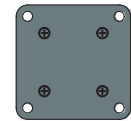
HARDWARE AND PROFILES

All Post kits include:

- 2.5" or 3.0" Post
- Cap
- 3/8" Flange
- Flange Cover
- 2 - Wedges



Welded 3/8" Flange



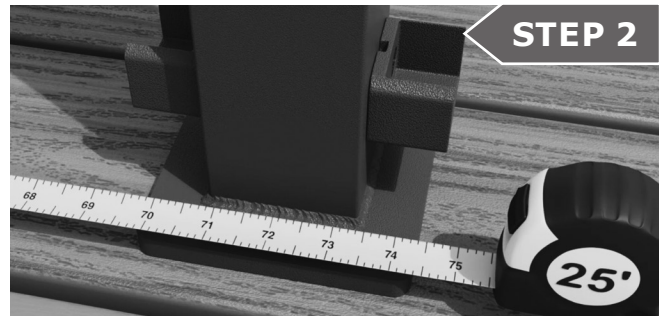
POST PLACEMENT

These instructions assume brackets are already attached. It is recommended that all level brackets have already been preinstalled using the available bracket template for accurate bracket mounting.



STEP 1

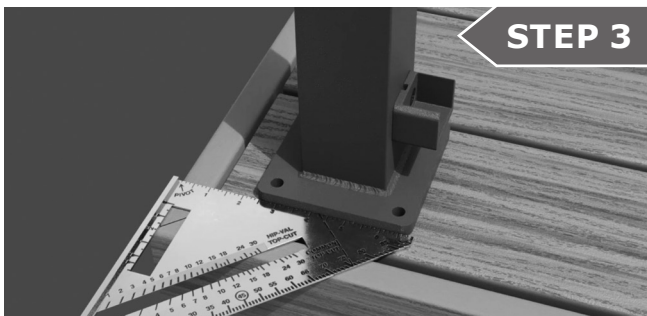
Layout your deck/patio to optimize the railing sections and posts.



STEP 2

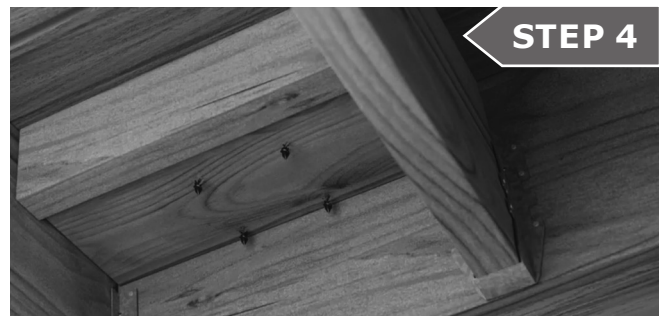
Space your posts at the specified distance (e.g. 72") on center.

POST INSTALLATION



STEP 3

Use a speed square for accurate and straight placement of post.



STEP 4

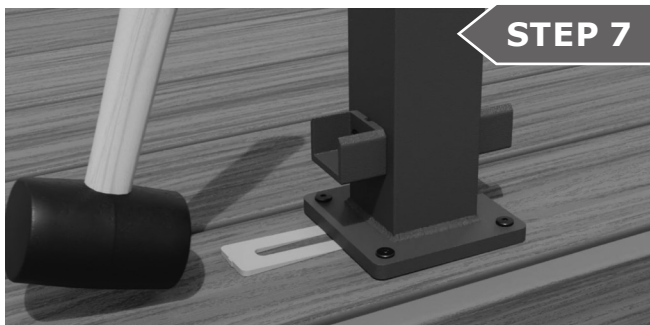
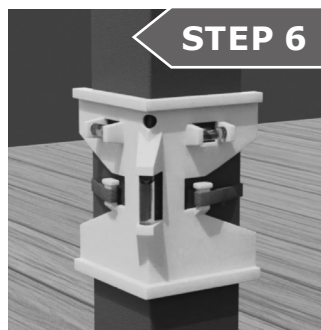
The post lag screws must be fastened into substructure or added blocking.



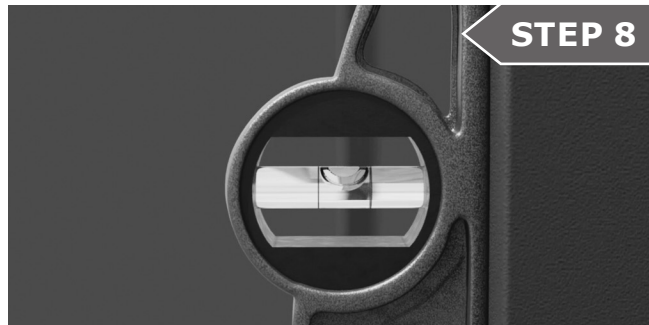
Fasten lag screws diagonally. Lag screws are not provided. Install attachment hardware per screw manufacturers requirements.



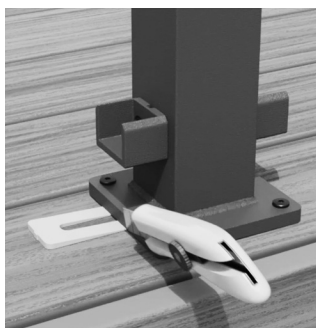
Check each post with a level. Always place your level against 2 sides of the post to make sure it's plumb. Use of a corner level is the ideal level for post installation.



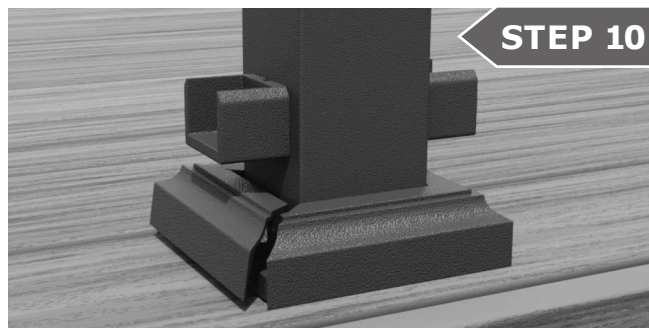
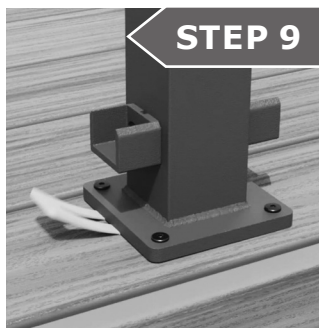
Loosen the lag screws as needed. Use shims and secure with a mallet as needed for posts that aren't plumb.



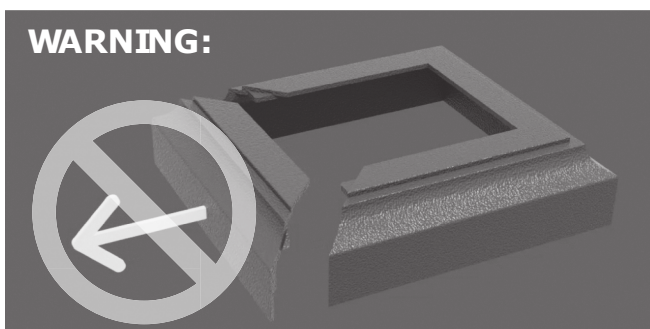
Check for plumb again before attaching the post flange cover.



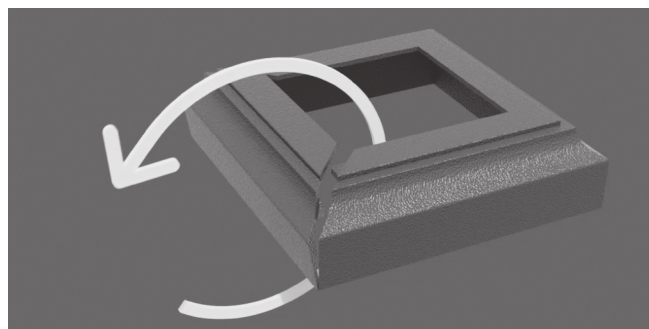
Score with utility knife and snap.



Simply slide the flange cover into place and snap the two pieces together.



When separating the flange cover parts, never pull straight apart or you will likely break the small tabs that hold the flange cover parts together.



The correct way to separate the flange cover is to rotate and pull upward.

OPTIMUM
ALUMINUM RAILING by **FDS**

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844-332-5338 | OptimumRailing.com