

NEWPORT PERGOLA KIT ASSEMBLY GUIDE



Thank you for choosing Pergola Kits USA Inc.

- **Easy step-by-step instructions**
- **Helpful Hints**
- **Tools and hardware list**
- **Easy to follow drawings**
- **Warranty information**

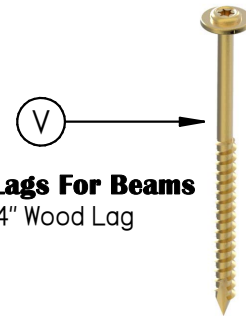
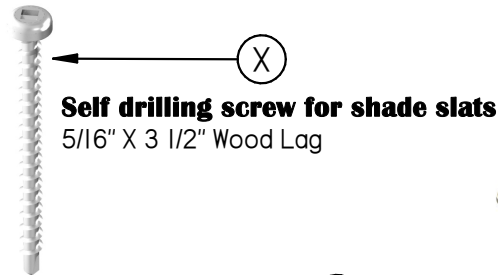
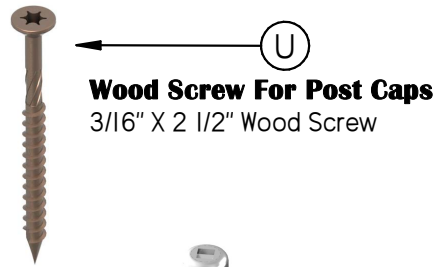
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|---|-------|
| • Hardware List / Tools Required | Pg. 1 |
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| • Post Styles | Pg. 3 |
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Pergola Kits USA Inc.

Ready-to-assemble pergola and pavilion kits shipped nationwide

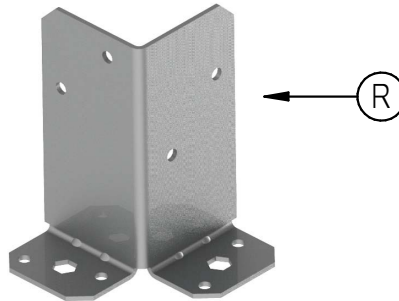
The Newport PVC Pergola Kit is one of our many vinyl shade structures

Hardware



ANCHOR BRACKET

Used on each post / 2pc's per post
(For Surface Applications Only)

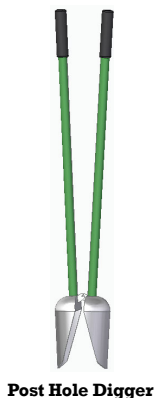
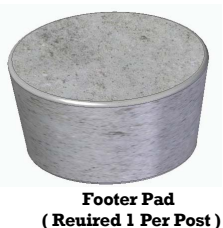


Tools Required

Suggested People Required For Assembly - (2)



Required for inground applications



Hardware Quantity List

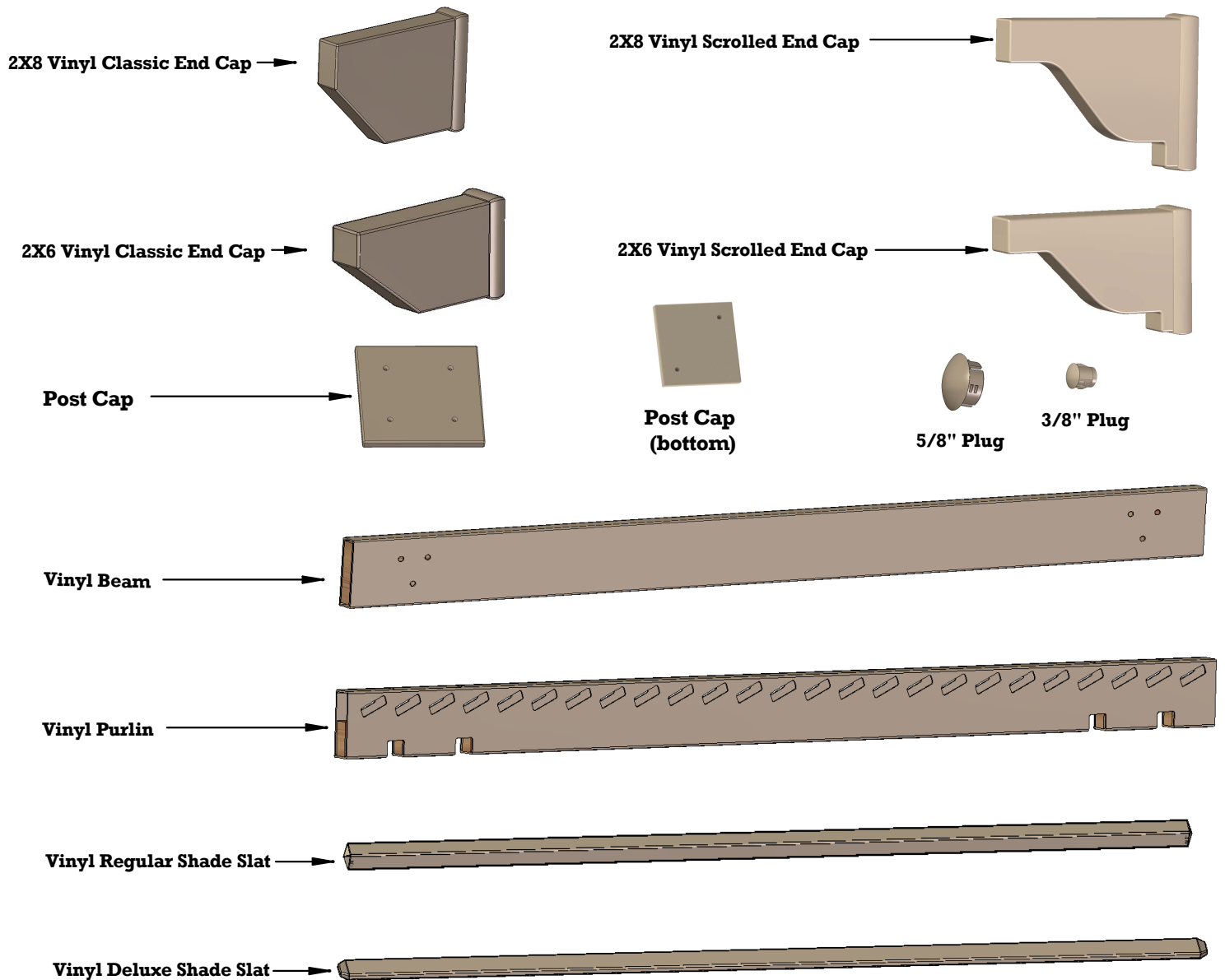
| Pergola Size | Anchor Brackets (For Surface Application Only) | Wood Lags for Anchor Brackets | Concrete Lags For Anchor Brackets (For Concrete Application Only) | Stainless Steel Screws For Post Caps | Wood Lags For Beams | Wood screws for purlins | Self drilling screws for shade slats | Wood Lags For Anchor Brackets (For Deck Application Only) |
|--------------|---|-------------------------------|--|--------------------------------------|---------------------|-------------------------|--------------------------------------|--|
| | R | S | T | U | V | W | X | Y |
| 10 x 10 | 8 | 32 | 16 | 16 | 24 | 24 | 30 | 16 |
| 10 x 12 | 8 | 32 | 16 | 16 | 24 | 28 | 30 | 16 |
| 10 x 14 | 8 | 32 | 16 | 16 | 24 | 36 | 30 | 16 |
| 10 x 16 | 8 | 32 | 16 | 16 | 24 | 40 | 30 | 16 |
| 12 x 12 | 8 | 32 | 16 | 16 | 24 | 28 | 40 | 16 |
| 12 x 14 | 8 | 32 | 16 | 16 | 24 | 36 | 40 | 16 |
| 12 x 16 | 8 | 32 | 16 | 16 | 24 | 40 | 40 | 16 |
| 12 x 18 | 8 | 32 | 16 | 16 | 24 | 44 | 40 | 16 |
| 14 x 14 | 8 | 32 | 16 | 16 | 24 | 36 | 45 | 16 |
| 14 x 16 | 8 | 32 | 16 | 16 | 24 | 40 | 45 | 16 |
| 14 x 18 | 8 | 32 | 16 | 16 | 24 | 44 | 45 | 16 |
| 16 x 16 | 8 | 32 | 16 | 16 | 24 | 40 | 50 | 16 |
| 16 x 18 | 8 | 32 | 16 | 16 | 24 | 44 | 90 | 16 |

Pergola Parts

Pergola Parts Quantity

| Pergola Size | Beams | Purlins | Vinyl Deluxe Shade Slats | Vinyl Regular Shade Slats | 2x8 End Caps | 2x6 End Caps | Post Caps | Post Caps (Bottom) | 5/8" Plugs | 3/8" Plugs | |
|--------------|-------|---------|--------------------------|---------------------------|--------------|--------------|-----------|--------------------|------------|------------|--|
| 10 x 10 | 4 | 6 | 24 | 25 | 8 | 12 | 4 | 4 | 26 | 24 | |
| 10 x 12 | 4 | 7 | 24 | 25 | 8 | 14 | 4 | 4 | 26 | 28 | |
| 10 x 14 | 4 | 9 | 24 | 25 | 8 | 18 | 4 | 4 | 26 | 36 | |
| 10 x 16 | 4 | 10 | 24 | 25 | 8 | 20 | 4 | 4 | 26 | 40 | |
| 12 x 12 | 4 | 7 | 30 | 31 | 8 | 14 | 4 | 4 | 26 | 28 | |
| 12 x 14 | 4 | 9 | 30 | 31 | 8 | 18 | 4 | 4 | 26 | 36 | |
| 12 x 16 | 4 | 10 | 30 | 31 | 8 | 20 | 4 | 4 | 26 | 40 | |
| 12 x 18 | 4 | 11 | 60 | 62 | 8 | 22 | 4 | 4 | 26 | 44 | |
| 14 x 14 | 4 | 9 | 36 | 37 | 8 | 18 | 4 | 4 | 26 | 36 | |
| 14 x 16 | 4 | 10 | 36 | 37 | 8 | 20 | 4 | 4 | 26 | 40 | |
| 14 x 18 | 4 | 11 | 72 | 74 | 8 | 22 | 4 | 4 | 26 | 44 | |
| 16 x 16 | 4 | 10 | 42 | 43 | 8 | 20 | 4 | 4 | 26 | 40 | |
| 16 x 18 | 4 | 11 | 84 | 86 | 8 | 22 | 4 | 4 | 26 | 44 | |
| 18 x 18 | 4 | 11 | 94 | 94 | 8 | 22 | 4 | 4 | 26 | 44 | |

Urbana Pergola Parts



Post Styles

Pergola Post Quantity

Your pergola kit will include a set of 4 posts and trim rings. (Of The Style You Have Chosen)

**Vinyl Square Post
6"x 6"**



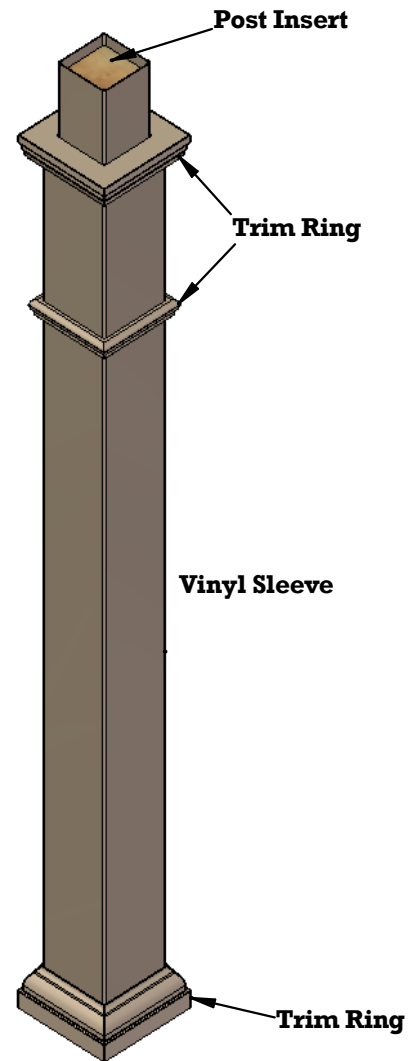
**Includes 1pc
Trim**

**Vinyl Round Post
10" Tapered**

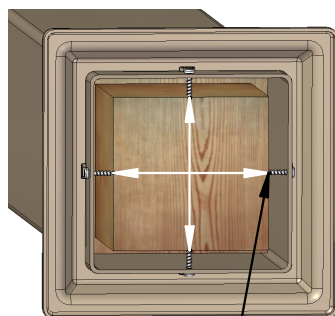


**Includes 3pc
Trim Set**

**Vinyl Square Post
8"x 8"**

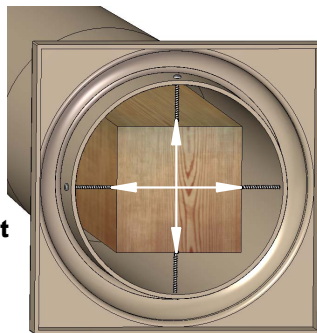


**Includes 3pc
Trim Set**

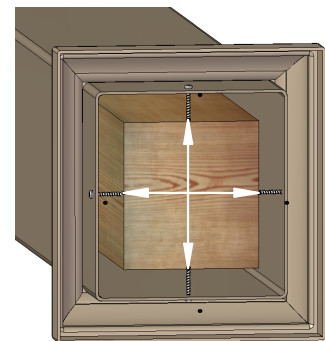


**Bottom
View Of
6"x 6" Post**

**Use type (U) 2 1/2"
Wood Screws**



**Bottom
View Of
Round Post**

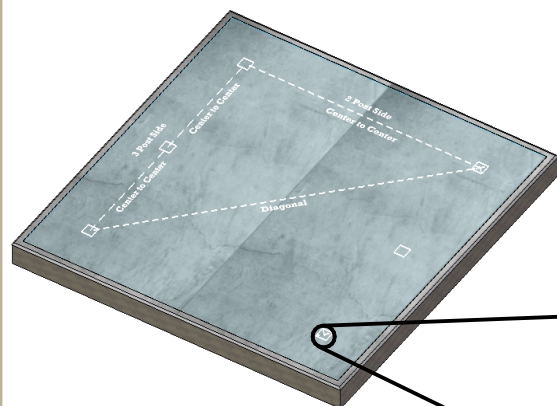


**Bottom
View Of
8"x 8" Post**

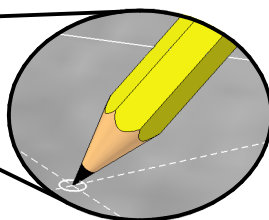
**After post is anchored slide vinyl sleeve
down on surface and apply 1 screw per
side, to ensure the sleeve is level.
Once vinyl sleeve is fastened slide trim
ring in place.**

Step 1

Post Placement Layout



Mark each post location. Each mark will be exact center of post.

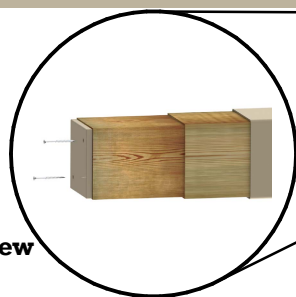


Post Layout Measurements

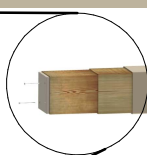
| Pergola Size | Center to Center | Diagonal |
|--------------|---------------------|------------|
| 10 x 10 | 82 3/4" X 82 3/4" | 117" |
| 10 x 12 | 82 3/4" X 106 3/4" | 135 1/16" |
| 10 x 14 | 82 3/4" X 130 3/4" | 154 3/4" |
| 10 x 16 | 82 3/4" X 154 3/4" | 175 1/2" |
| 12 x 12 | 106 3/4" X 106 3/4" | 150 15/16" |
| 12 x 14 | 106 3/4" X 130 3/4" | 168 3/4" |
| 12 x 16 | 106 3/4" X 154 3/4" | 188" |
| 12 x 18 | 106 3/4" X 178 3/4" | 208 3/16" |
| 14 x 14 | 130 3/4" X 130 3/4" | 185" |
| 14 x 16 | 130 3/4" X 154 3/4" | 202 9/16" |
| 14 x 18 | 130 3/4" X 178 3/4" | 221 7/16" |
| 16 x 16 | 154 3/4" X 154 3/4" | 219" |
| 16 x 18 | 154 3/4" X 178 3/4" | 236 7/16" |
| 18 x 18 | 178 3/4" X 178 3/4" | 252 3/4" |

Step 2

Bottom Post Cap Attachment



Type (U)
2 1/2" Wood Screw
x2 Per Post

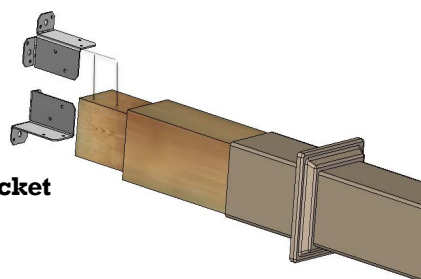


Fasten a bottom post cap to the bottom of each post with type (U) wood screws. Ensure that the post cap is spaced evenly on all four sides of the post insert.

Step 3

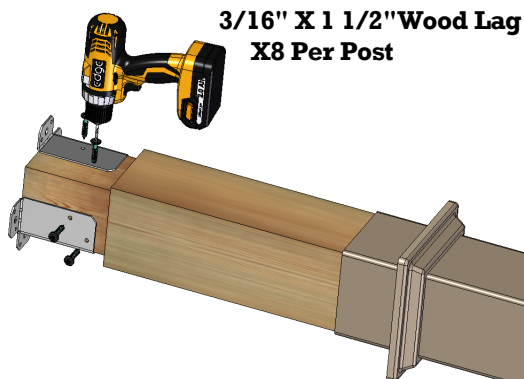
Post /Anchor Bracket Pre-assembly

Keep anchor bracket flush with bottom of post.



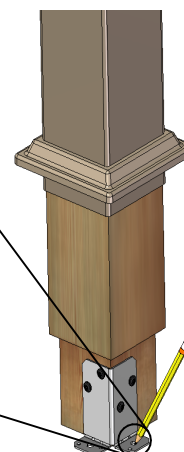
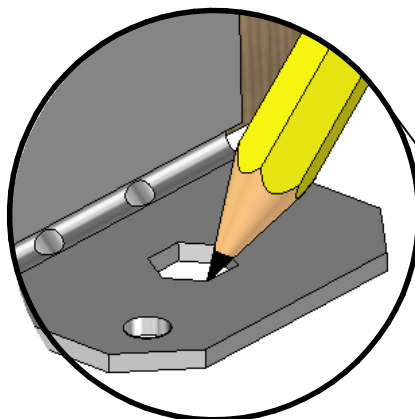
Concrete Anchor Bracket
X2 Per Post

Fasten anchor brackets to bottom of post with type (S) wood lags.



3/16" X 1 1/2" Wood Lag
X8 Per Post

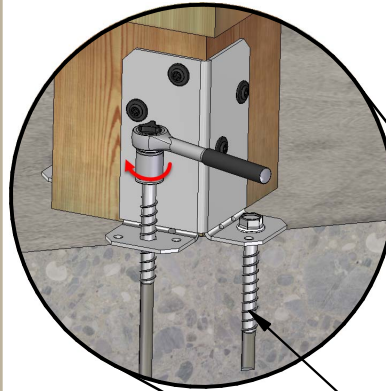
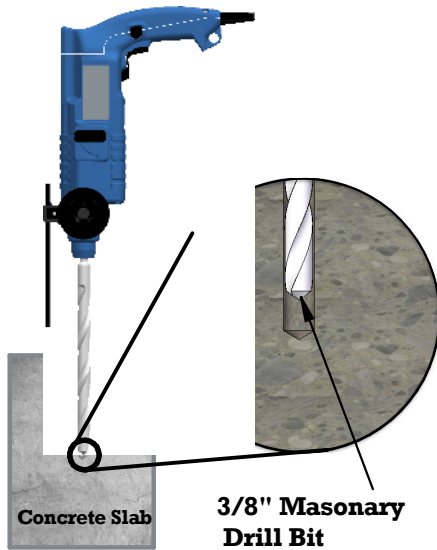
Locate posts on center marks that you created in step 1. With pencil mark locations where concrete lags will be placed.



Step 4

Fastening Posts To Concrete

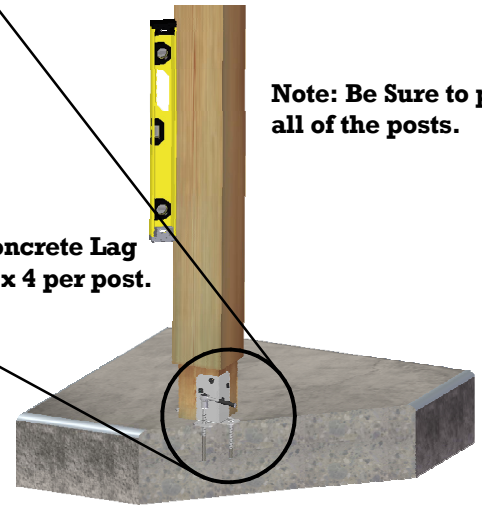
Using a hammer drill with a 3/8" concrete bit, drill holes 1/2" deeper than the length of the type (J) lag.



Fasten Posts to concrete slab using type (J) concrete lags.

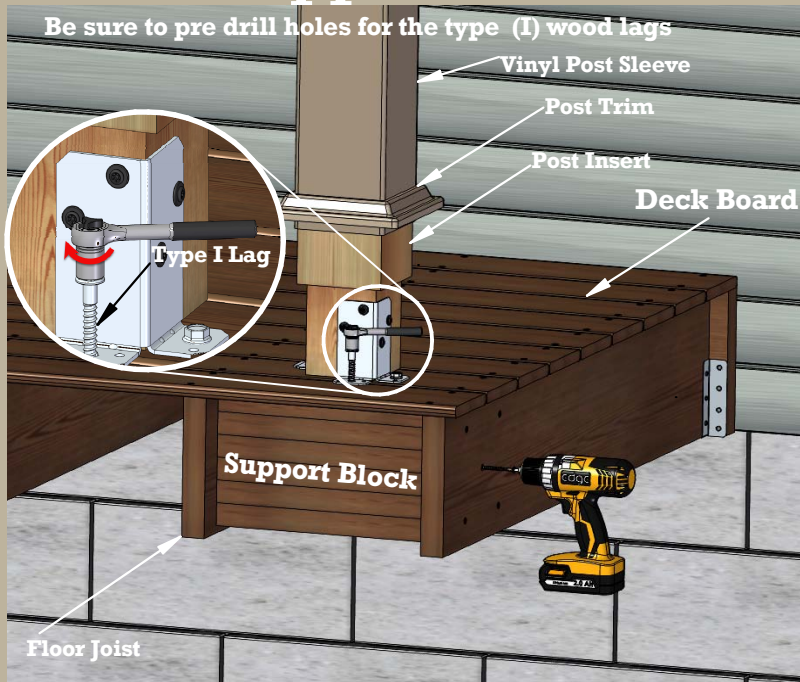
Type (J) Concrete Lag
3/8" X 3" x 4 per post.

Note: Be Sure to plum all of the posts.



Deck Application

Be sure to pre drill holes for the type (I) wood lags



If your posts are not located so you can attach them to a floor joist, follow the below instructions.

Make a support block by cutting a generic treated board (not included) into 6 pieces that are the same length as the spacing inbetween the floor joists of your deck. Fasten the 6 pieces together using 2 1/2" deck screws (not included). You will need to make four blocks like this.

Fasten a support block inbetween the floor joists at the location of each pergola post. Push the block up against the deck boards and and attach it by driving 3 1/2" deck screws (not included) through the sides of the floor joists and into the support block.

Now attach your pergola posts to the deck as shown in the example above. The lags (type I) should go through the deck boards and into the support blocks.



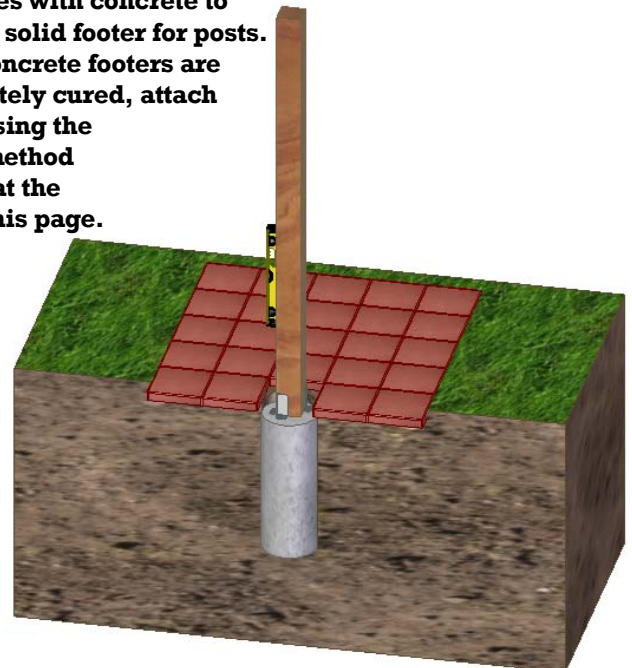
Patio Paver Application

WARNING!

Do not mount posts directly onto patio pavers. (PAVERS ARE NOT STABLE)



If installing on a paver patio, pavers should be removed at each post location. Dig holes 3 ft in depth or recommended hole depth your local building codes. Fill holes with concrete to create a solid footer for posts. After concrete footers are completely cured, attach posts using the same method shown at the top of this page.



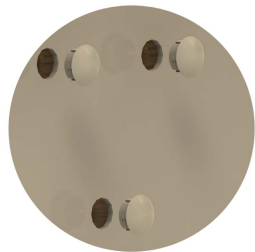
Beam Installation

Step 5

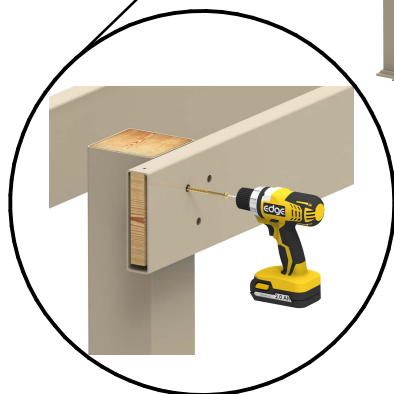
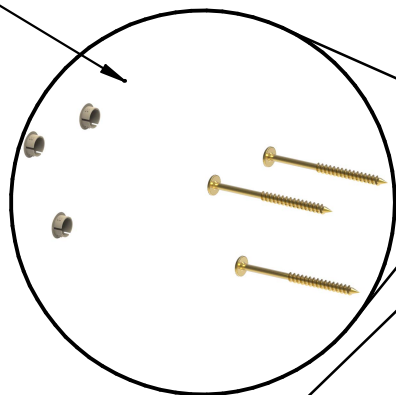
Fasten Beams With Type (V) 4" Wood Lags

Apply 5/8" Vinyl Plugs After Beams Are Installed.

Keep Beams Flush With Top Of Posts.



2" Torx Drive Bit

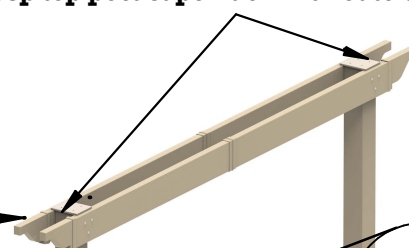


BE SURE TO SLIDE POST TRIM RINGS ONTO POSTS BEFORE INSTALLING BEAMS!

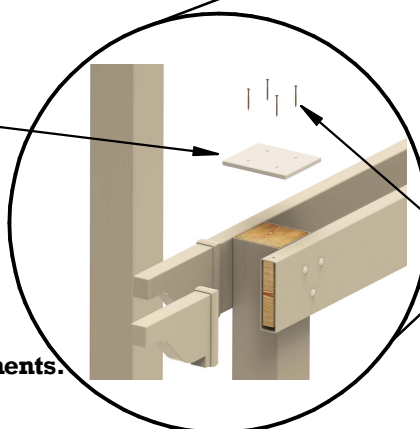
Step 6 Top Post Cap / Beam End Cap Installation

Apply PVC Glue along the inside edges of the (2X8 Scrolled End Cap), firmly push and hold in place on end of beam.

Keep top post caps flush with outside of posts.



Install the Top Post Caps on all the posts. These are to protect the wood inserts from the elements.



Fasten Top Post Caps with four type (U) 2 1/2" Wood Screws.



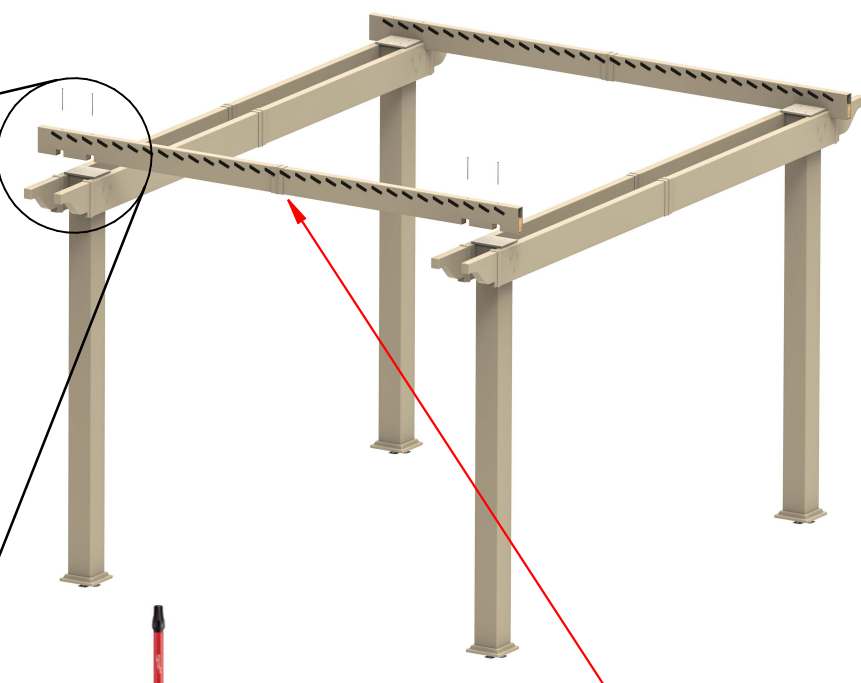
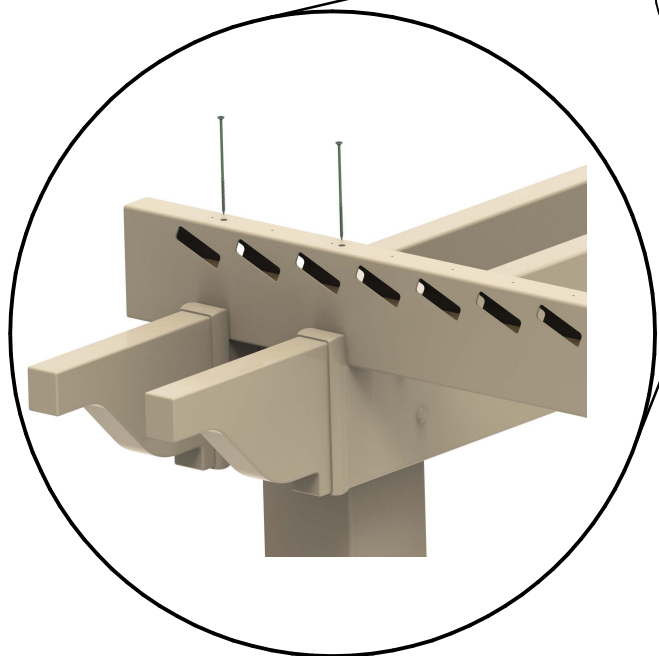
6" Torx Drive Bit

Step 7

Purlin Installation

Set the two **Outside Purlins** against the outside edges of the posts and fasten them to the beams using **four type (W) 5" Wood Screws per purlin**.

Note: The screw goes down through the vinyl and into the wood insert that is inside the purlin.

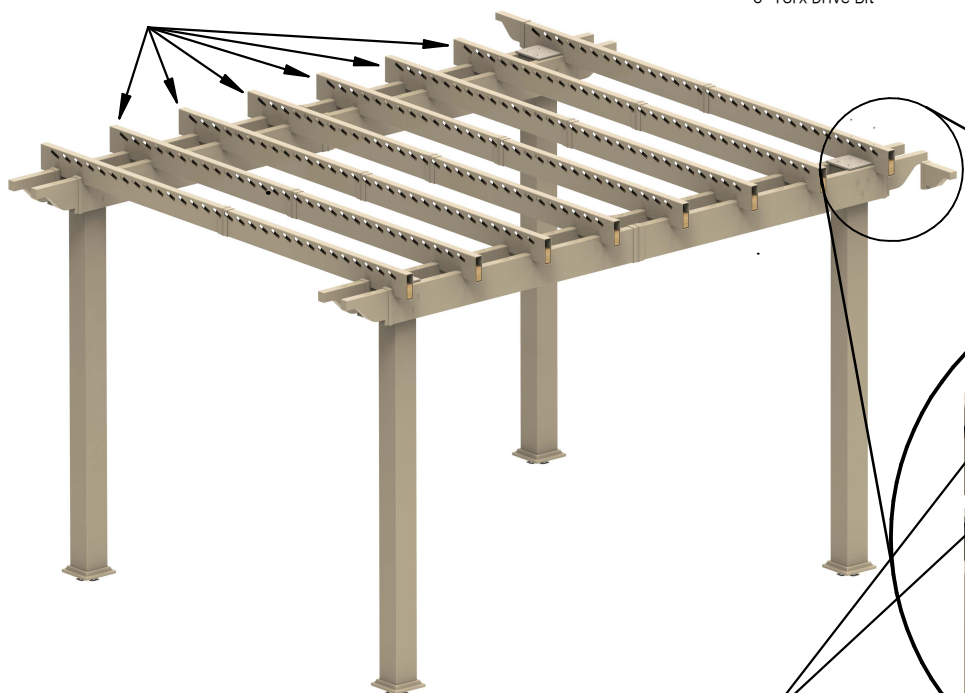


Note:
One Purlin has holes along the top of the purlin to fasten the shade slats, place this purlin on the outside

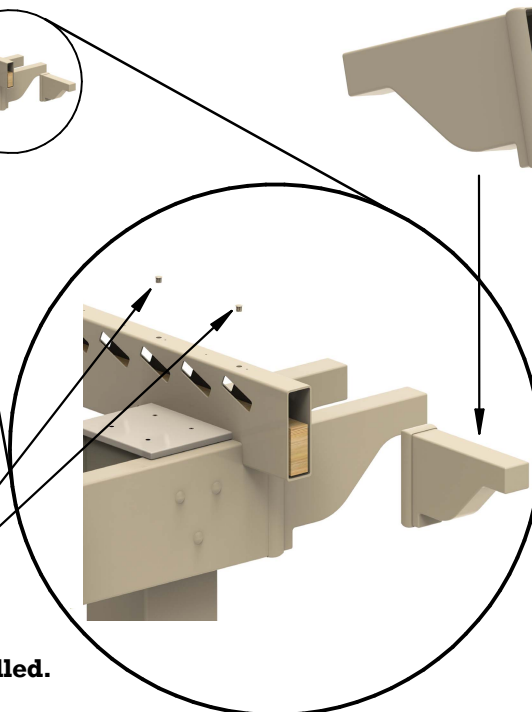


6" Torx Drive Bit

Spread out the rest of the purlin equally in between the two outside purlins. Fasten them using the same screws and bit as specified above.



Apply PVC Glue along the inside edges of the (2x6 Purlin End Caps), firmly push and hold in place on end of purlins.



Apply 3/8" Vinyl Plugs after purlins are installed.

Shade Slat Installation

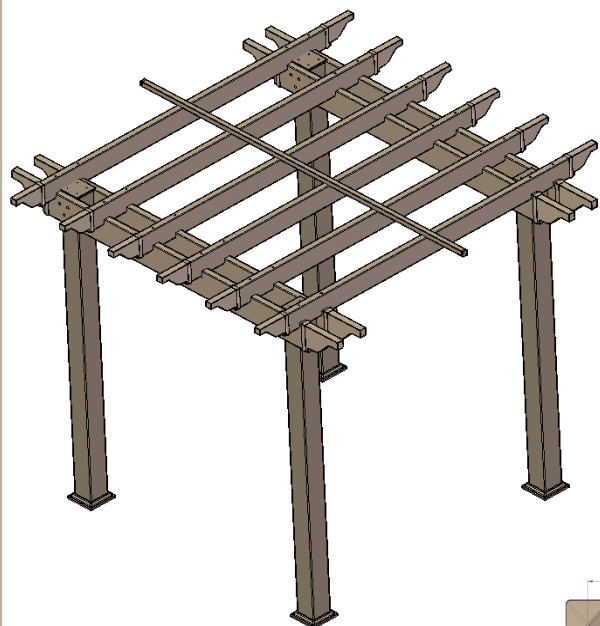
Slide shade slats in from end, fasten with (TYPE X) self tapping screws.

Deluxe Shade

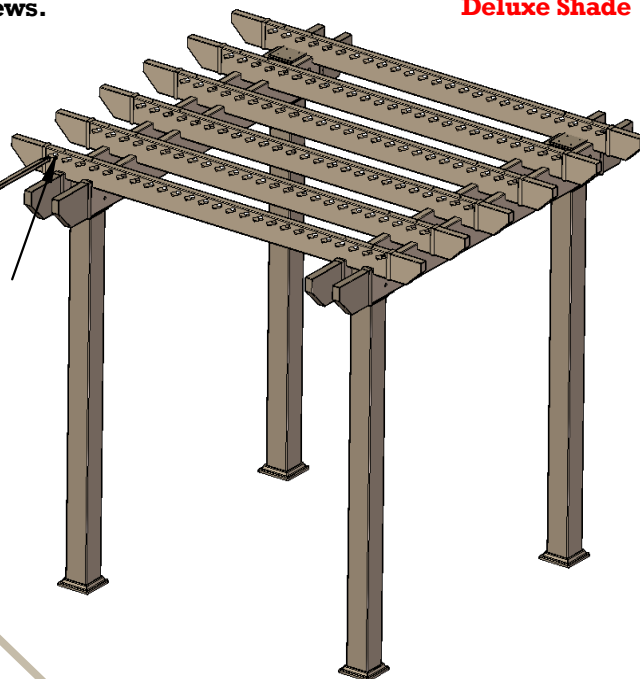
One Purlin has holes along the top of the purlin to fasten the shade slats

The center shade slat will need to be fastened on every purlin, this will keep the purlins straight and in line with each other.

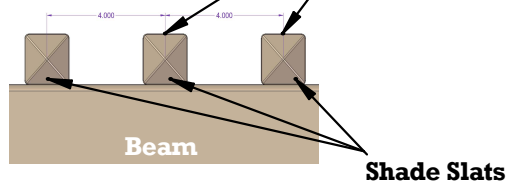
Regular Shade



Push shade slats through cut outs in purlins.



Place first shade slat in center on top of purlins, fasten with (TYPE X) self tapping screws. Place rest of shade slats every 4" center to center on either side of center shade slat.



Fasten every slat on the outside purlins.

The center shade slat will need to be fastened on every purlin, this will keep the purlins straight and in line with each other.

Beam Brace Installation

NOTE:

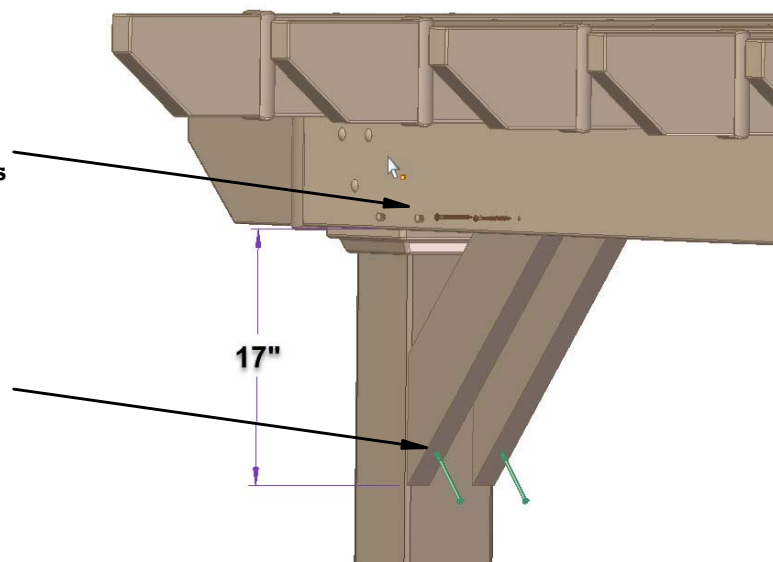
Braces may not pertain to your pergola kit
If braces are not included in your pergola kit
(SKIP STEP 8)

Predrill 2- 3/8" holes through the outside wall of the vinyl beam, fasten each ply of the braces to the beams with two type (U) wood screws (3/16" X 2 1/2") fasten through the beam into the brace and plug the holes with 3/8" plugs.

Fasten the bottom of the brace to the post with one type (W) 5" screw per brace.

NOTE:

Ensure that post and beam are square before fastening braces



Congratulations!
Enjoy your Newport Pergola with
friends and family.

