



# Ready-Link-Rack Installation Guide(V3)

Model

NPE-A, NPE-S Series

NCB-E Series

NHB Series

NFB-175, 200

NFC-175, 200

NPN Series



### WARNING

If the information in these instructions is not followed exactly, a fire or explosion may occur and potentially cause property damage, personal injury, or death.

Keep this manual for future reference.

## Installation Considerations

Refer to the following information to find an adequate installation location for the frame and prepare the appropriate tools to assemble the frame.

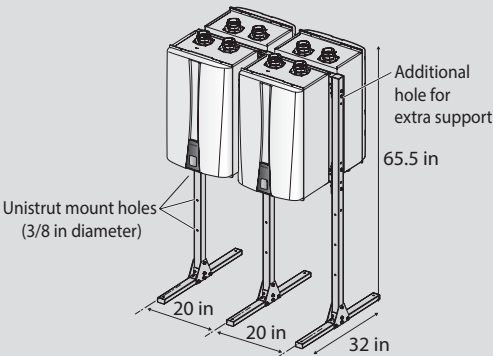
### Tools required

- 5/32 in or 4 mm Allen wrench
- Adjustable wrench
- Level

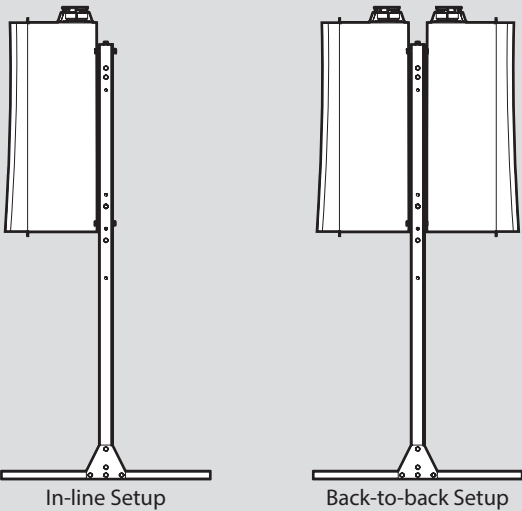
### Dimensions

The following diagram shows the dimensions of the frame.

Install the frame in an area that allows for service and maintenance access to utility connections, piping, filters, and traps.



The water heater or boiler units can be mounted using the in-line or back-to-back setup.



### Note

Depending on the number of the water heater or boiler units, assemble the extension kits to the rack to add more installation space.

## Included Items

When you open the box, you will find the following items. Check the box for each of the following items before assembling the Ready-Link-Rack. The quantity of each item differs depending on the number of water heaters or boilers you want to install. If any of these items are missing or damaged, please contact our customer service center at 1-800-519-8794.

<b>Installation Guide</b> 1 EA	<b>Post bar 64.4 in</b> * Single kit: 2 EA ** Extension kit: 1 EA	<b>Fixed bar 17.7 in</b> * Single kit: 2 EA ** Extension kit: 2 EA	<b>Base frame 32 in</b> * Single kit: 2 EA ** Extension kit: 1 EA	<b>Fixed bracket (under)</b> * Single kit: 4 EA ** Extension kit: 2 EA	<b>Fixed bracket (middle)</b> *Single kit: 4 EA **Extension kit: 4 EA	<b>Fixed bracket (upper)</b> *Single kit: 2 EA **Extension kit: 2 EA
<b>Reinforcement plate</b> * Single kit: 4 EA ** Extension kit: 2 EA	<b>Tapping screw 5x12 (washers set, stainless steel)†</b> * Single kit: 20 EA ** Extension kit: 12 EA	<b>Tapping screw 5x12 (stainless steel)†</b> * Single kit: 2 EA ** Extension kit: 2 EA	<b>M10 bolt (3 in, stainless steel)</b> * Single kit: 22 EA ** Extension kit: 14 EA †	<b>M10 bolt (2.8 in, stainless steel)</b> * Single kit: 3 EA ** Extension kit: 3 EA	<b>5/32 in or 4 mm Allen wrench</b> 1 EA	

† Spare tapping screws are provided in the product package for your convenience.

† All 14 M10 bolts (3 in) of the extension kit will be used for the NFC series when installed in combination with the NPE, NCB, and NFB series.

Other configurations will have one bolt left over.

† The 5x12 tapping screws without washers are only used for installing the NPN series.

\* A single kit can be used to mount up to 2 water heater or boiler units. When mounting 2 units, the back-to-back configuration can be used.

\*\* An extension kit is used to add more water heater or boiler units to the frame.

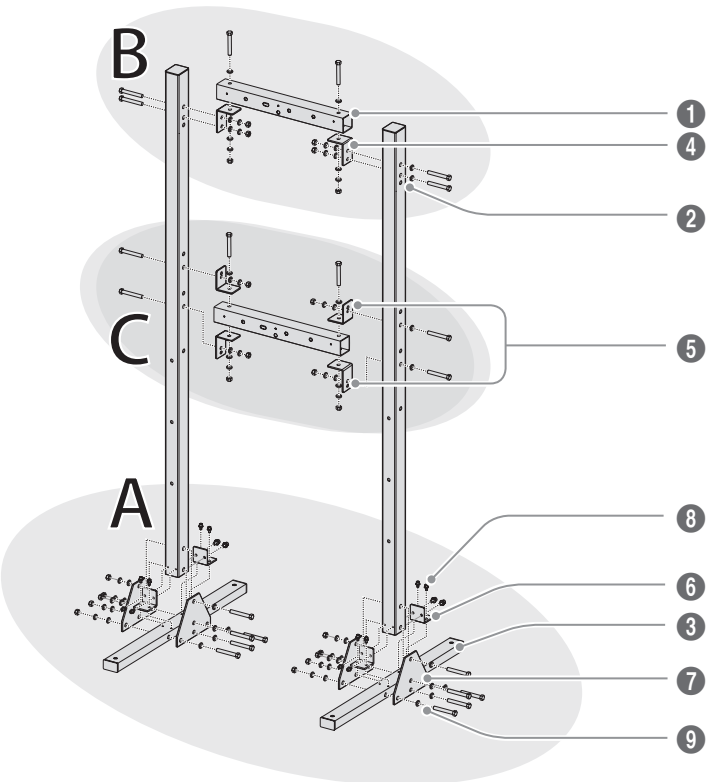
\*\*\* These kits can be installed both indoors and outdoors.

### Note

Although the floor mounting hardware is not included with this kit, you must fix the Ready-Link-Rack securely to the floor to complete installation. Use appropriate anchor bolts (3/8 in) to fix the frame to the ground.

## Parts Diagram

The following diagram allows you to correctly identify each part for easy assembly.

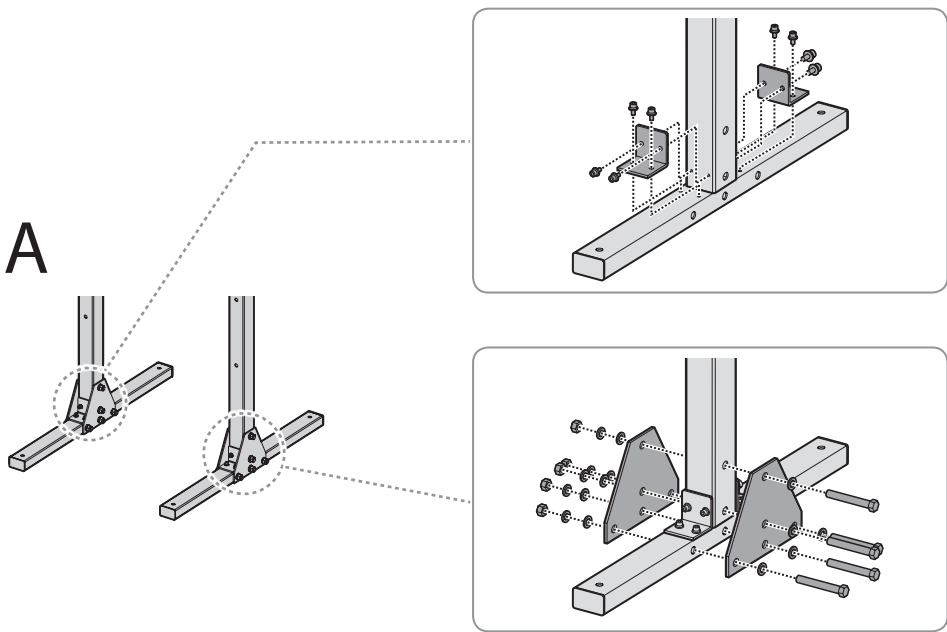


### Part list

No.	Descriptions of parts
1	Fixed bar 17.7 in
2	Post bar 64.4 in
3	Base frame 32 in
4	Fixed bracket (upper)
5	Fixed bracket (middle)
6	Fixed bracket (under)
7	Reinforcement plate
8	Tapping screw (washers set, 5x12)
9	M10 bolts (3 in)

Installation Procedures

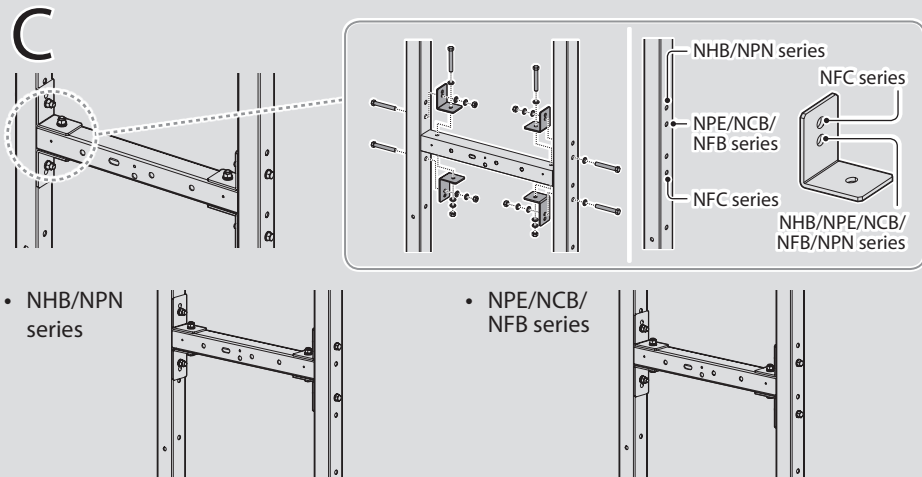
Assembling the foot bar



1. Place a base frame on the ground and place a post bar upright in the middle of a base frame.
2. Affix 2 fixed bracket (under) with 8 tapping tapping screws (washers set, 5x12).
3. Repeat steps 1 and 2 to make the second foot bar.
4. Affix 2 reinforcement plates to the inside and outside of a foot bar with 5 M10 bolts (3 in).
5. Repeat step 4 for the other foot bar.

**Note** The post bar may be damaged if excessive torque is applied when you tighten the M10 bolts. The maximum torque allowed when tightening the M10 bolts is 10 N-m, or 7 ft-lb.

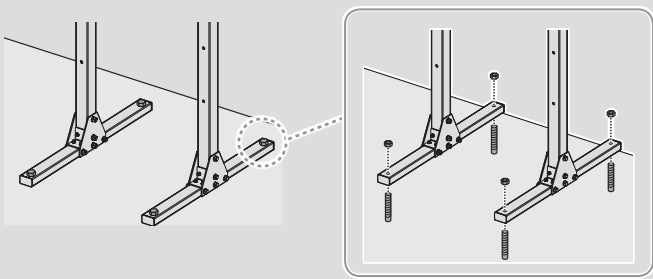
Assembling the middle bar



Place a fixed bar between the middle of the 2 post bars and 4 fixed brackets (middle) with 6 M10 bolts (3 in) to attach the middle bar.

**Note** Depending on the boiler or water heater models, the screws and bolts are tightened to the different holes of the post bar and fixed brackets (middle) differently. Refer to the following illustrations for the proper hole locations used for each model.

Fixing the frame to the location

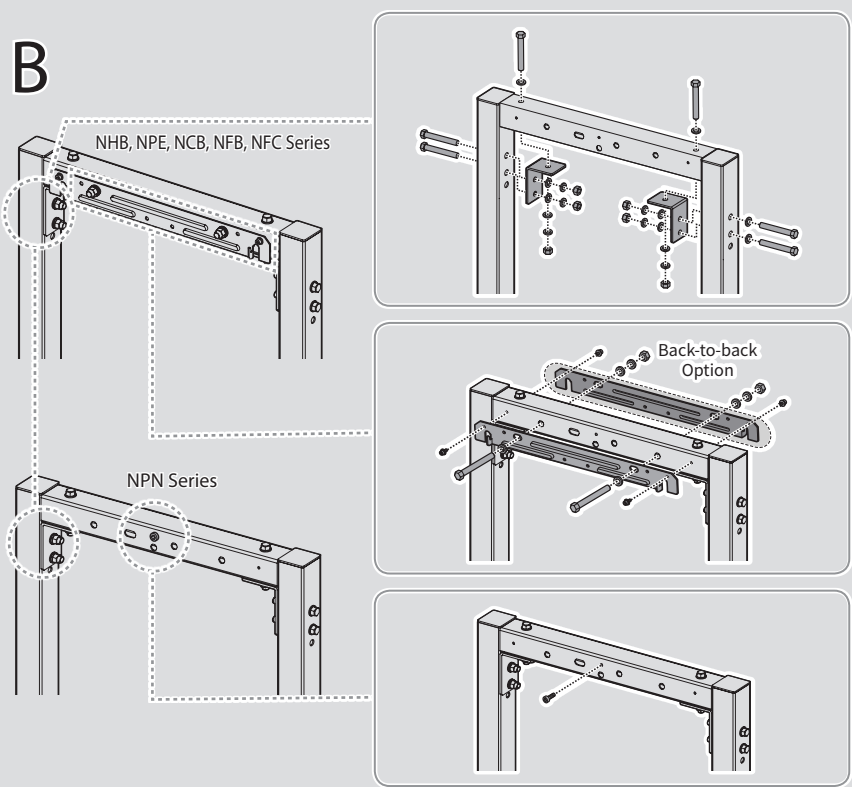


1. Ensure that all screws and bolts are tightened securely.
2. Fix the frame to the ground with appropriate anchor bolts.

**WARNING** Ensure that the floor is flat and strong enough to support the water heater or boiler and frame when all preparations for operation are complete. Ensure that the frame is fixed securely as property damage, personal injury, or death may result if the frame falls.

**Note** Although the floor mounting hardware is not included with this kit, you must fix the Ready-Link-Rack securely to the floor to complete installation. Use appropriate anchor bolts (3/8 in) to fix the frame to the ground. Before fixing the frame to the ground using anchor bolts, ensure that the anchor bolts protrude above the surface of the ground by at least 2 in (50 mm).

Assembling the upper bar



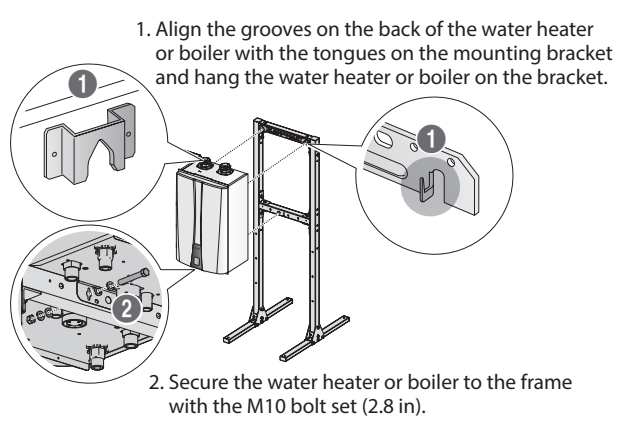
- For the NHB, NPE, NCB, NFB, NFC Series:**
1. Place a fixed bar between the top of the 2 post bars and affix 2 fixed brackets (upper) with 6 M10 bolts (3 in) to attach the upper bar.
  2. Affix the mounting bracket supplied with the water heater or boiler to the middle of the upper bar where the product will be attached with 2 tapping screws (washers set, 5x12) and 2 M10 bolts (2.8 in).
  3. Back-to-back Option: To mount water heaters or boilers using the back-to-back setup, affix the mounting bracket to the back side of the upper bar.

- For the NPN Series:**
1. Place a fixed bar between the top of the 2 post bars and affix 2 fixed brackets (upper) with 6 M10 bolts (3 in) to attach the upper bar.
  2. Tighten the tapping screw (5x12) to the screw hole in the middle of the upper fixed bar. Ensure that the screw is not fully tightened so that the upper mounting bracket of the NPN water heater can hang on the screw.
  3. Back-to-back Option: Repeat step 2 on the rear side of the fixed bar.

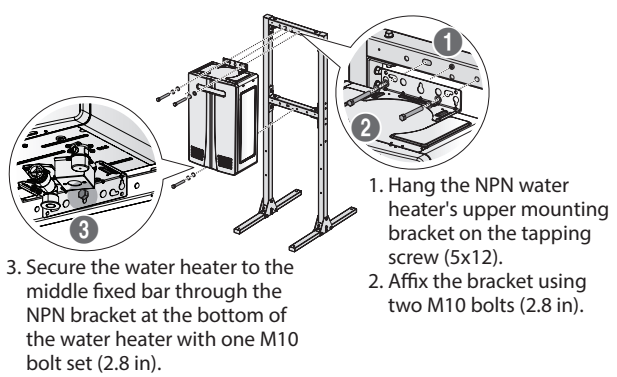
**Note** The post bar may be damaged if excessive torque is applied when you tighten the M10 bolts. The maximum torque allowed when tightening the M10 bolts is 10 N-m, or 7 ft-lb.

Attaching a water heater or boiler to the frame

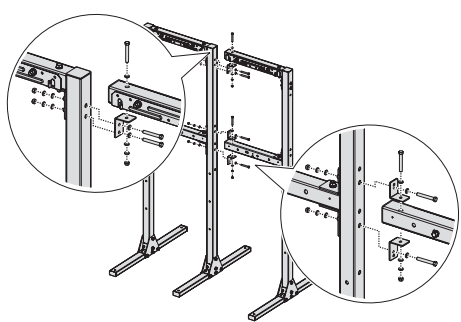
**For the NHB/NPE/NCB/NFB/NFC Series:**



**For the NPN Series:**



Attaching an extension kit



Refer to the instructions on pages 5 to 8 to connect an additional extension rack to the single frame with the fixed brackets and M10 bolts (3 in).

**CAUTION** Check the surfaces of the water heater/boiler and rack for any scratches or chipping paint. If any of the coating is removed, rust may develop and possibly affect the lifespan of the rack. Recoat any areas where the coating is removed or scratched.

**Navien**  
Navien Inc.  
20 Goodyear Irvine, CA 92618  
TEL +800-519-8794 FAX +949-420-0430  
www.navien.com