



4-post, 19-inch open rack

Steel frame with square holes

Models: PCRORSKD30U4PBK (30U)
PCRORSKD45U4PBK (45U)

Professional Series

Installation guide

1. Introduction

Thank you for purchasing the four-post open rack from Nexxt Solutions. Available with 30 and 45 rack spaces, these units are constructed of heavy-gauge steel, allowing the safe integration of large networking equipment and additional accessories into your installation. Designed for deployment in high-load and high-density infrastructures, these racks are ideal for mounting multiple patch panels and other voice/data devices where space is at a premium. Easy to install and to assemble, our open racks offer a cost-effective solution for applications requiring protection, accessibility and cable management capabilities.

Main features

- 2,215lb maximum load capacity
- Front and rear equipment installation for larger networking systems
- Standard square-punched mounting profiles for faster component loading

For support and to find out more about our complete solution, we invite you to visit us at **nexxtsolutions.com**.

2. Preliminary steps

- Prior to installing this product, you must read all instructions thoroughly.
- Keep these instructions handy in an easily accessible location for future reference.
- A clean, flat, level, protected floor area should be provided for rack assembly to prevent damage to parts.
- The installer will need to have the following items and tools available to assemble and install the rack. They are not included in the package.

1. Phillips screwdriver or power drill with the following bits:
 - Phillips-head tip
 - Hex to square socket adaptor
2. 13mm hex-die socket
3. 13mm hex wrench
4. Pair of gloves
5. Long-nose plier
6. Cleaning towel
7. 3mx2m mat or padded surface



3. Package content






Upon opening the boxes, make sure all the items listed below are included:

Item	30U	45U
Front and rear top mounting rail	2	2
Top and bottom horizontal mounting rail	4	4
Lateral support bar	2	4
Vertical frame post for equipment installation	4	4
Front and rear base bracket	2	2
M8xL20 hex-head cap screw and M8 flat washer, spring washer and flange nut set	12	12
M6xL12 phillips screw, plastic washer and M6 flange nut set	24	32
M6xL12 phillips screw, plastic washer and cage nut set	40	40
Expansion anchor bolts	4	4
Assembly instructions	1	1

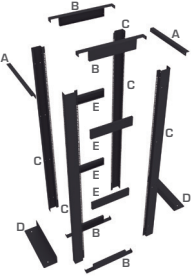

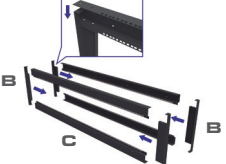

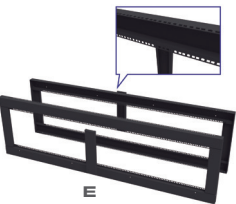
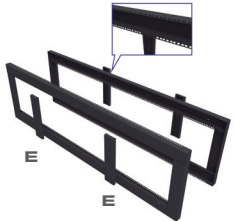
4. Fasteners

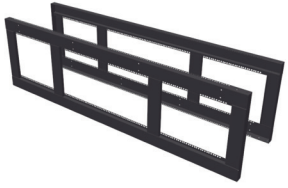
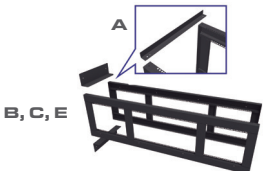
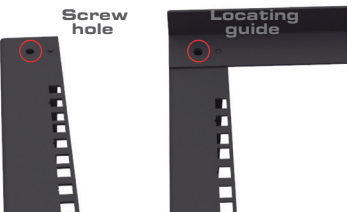

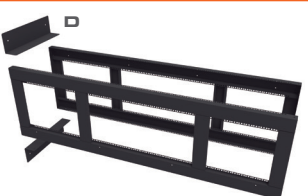
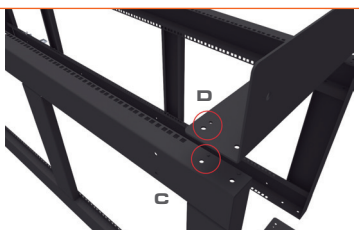
Description	Bag	Type	30U (pcs)	45U (pcs)	Assembly points
Phillips screw	1	M6xL12	24	32	Part B, E to part C
Flange nut		M6	24	32	Part B, E to part C
Hex-head cap screw	2	M8xL20	12	12	Part A, D to part C
Flat washer		M8	12	12	Part A, D to part C
Spring washer		M8	12	12	Part A, D to part C
Flange nut		M8	12	12	Part A, D to part C
Expansion anchor bolt	3	M10xL60	4	4	Part D
Phillips screw	4	M6xL12	40	40	For equipment installation
Washers		M6	40	40	For equipment installation
Cage nut		M6	40	40	For equipment installation

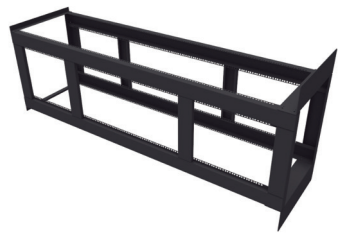

Components

Part	Image	Description
A		Front and rear top mounting rail
B		Top and bottom horizontal mounting rail
C		Vertical frame post
D		Front and rear base brackets (with anchoring holes for security and stabilization)
E		Lateral support bars

5. Installation procedure (recommended)

Step	Image	Required parts	Assembly steps
			<ul style="list-style-type: none"> The illustration provides an exploded view of all the open rack components you are about to put together. Open the box and verify that all parts, hardware and accessories are included in the package. Inspect the rack components and identify each individual part to ensure proper assembly of the unit.
1		Vertical frame post for equipment installation	<ul style="list-style-type: none"> Identify the vertical frame posts and verify that the numbered U-space positions on all four are facing upright.
2.1		Vertical frame post (C) Horizontal mounting rails (B)	<ul style="list-style-type: none"> Identify the horizontal mounting rails. Position two horizontal rails at the top end of the posts, and the other two, at the bottom end of each pair so as to form two separate frames.
2.2		M6xL12 phillips screw, plastic washer and M6 flange nut set (bag 1)	<ul style="list-style-type: none"> Use the M6xL12 phillips screws, plastic washers and M6 flange nuts to fix the bottom and top rails to the posts, as shown in this figure. We recommend inserting the screws with the plastic washers first from the outside and then the nuts, from the inside. Hold the nut in place and then tighten the screw using a phillips screw driver.
3.1A 30U model		Lateral support bar (E) M6xL12 phillips screw, plastic washer and M6 flange nut set (bag 1)	<ul style="list-style-type: none"> If the unit you have is a 30U open rack, identify the two lateral support bars provided. Attach one lateral support bar to the frame assembled in the previous step. Repeat this step with the second frame and the remaining support bar.
3.1B 45U model		Lateral support bars (E) M6xL12 phillips screw, plastic washer and M6 flange nut set (bag 1)	<ul style="list-style-type: none"> If the unit you have is a 45U open rack, identify the four lateral support bars provided. Attach two lateral support bars to one of the frames assembled in the previous step. Repeat this step with the second frame and the remaining support bars.

Step	Image	Required parts	Assembly steps
3.2		M6xL12 phillips screw, plastic washer and M6 flange nut set (bag 1)	<ul style="list-style-type: none"> • Use the M6 x L12 phillips screws, plastic washers and M6 flange nuts to fasten the lateral support bars to each frame. • We recommend inserting the screws with the plastic washers first from the outside and then the nuts, from the inside. Hold the nut in place and then tighten the screw using a phillips screw driver.
4.1		Front and rear top mounting rails (A) Left and right frame assemblies (B+C+E)	<ul style="list-style-type: none"> • Identify the top mounting rails provided. • Make sure to place on the front the rail with the Next Solutions logo printed on the left, and the plain one on the back.
4.2			<ul style="list-style-type: none"> • Align the screw holes on the top mounting rails with the ones on the left and right frame assemblies. • There is a locating guide protruding on each side, that when engaged with the openings on the mounting rail, it means that they are correctly installed.
4.3		M8xL20 hex-head cap screw and M8 flat washer, spring washer and flange nut set (bag 2)	<ul style="list-style-type: none"> • Use the M8xL20 hex-head screws, M8 flat washers, spring washers and flange nuts to fix the top rails to the posts, as shown in this figure. • We recommend inserting the hex-head cap screws with the washers first from the outside and then the nuts, from the inside.
5.1		Front and rear base brackets (D) Rack assembly (A+B+C+E)	<ul style="list-style-type: none"> • Identify the two base brackets provided with the unit.
5.2			<ul style="list-style-type: none"> • Align the screw holes on the base brackets with the ones on the vertical posts.

Step	Image	Required parts	Assembly steps
5.3		M8 x L20 hex-head cap screw, M8 flat washer, spring washer and flange nut set	<ul style="list-style-type: none"> • Use the M8xL20 hex-head screws, M8 flat washers, spring washers and flange nuts to fix the base brackets to the rack assembly, as shown in this figure. • We recommend inserting the hex-head cap screws with the washers first from the outside and then the nuts, from the inside. • Tip the unit upright and fully tighten all hex-cap screws to finish the assembly.
6			<ul style="list-style-type: none"> • Determine the rack permanent location in your installation. • Before loading the components, we recommend securing the rack to the floor with the provided expansion anchor bolts to prevent the unit from tipping over. • The assembly and installation of the four-post open rack are now complete. <p>Note: the 45U rack is compatible with the Next Solutions Vertical cable management systems (PCRCOV17FBK)</p>