

Quick Deploy Rail System

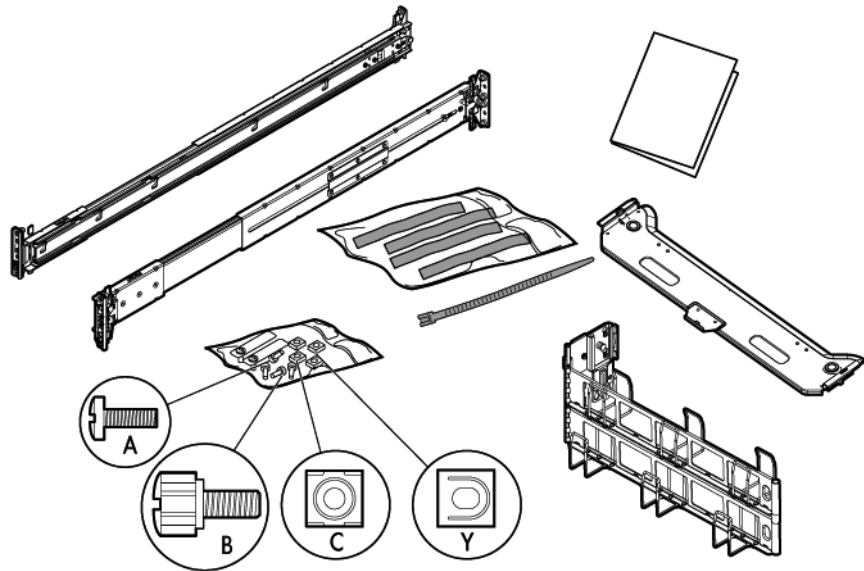
Installation Instructions

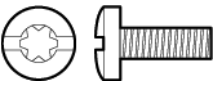
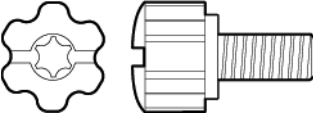


Part Number: 688048-004
May 2014
Edition: 4



Hardware kit contents



Item	Hardware (Scale: 1:1)	Quantity/Tool
A		4/ Slotted T-25 Torx
B		2/Slotted T-25 Torx
C		8
Y		8

In addition to the supplied items, you may need the appropriate screwdriver for the screws.

Rack warnings

- WARNING:** To reduce the risk of personal injury or damage to the equipment, be sure that:
- The leveling jacks are extended to the floor.
 - The full weight of the rack rests on the leveling jacks.
 - The stabilizing feet are attached to the rack if it is a single-rack installation.
 - The racks are coupled together in multiple-rack installations.
 - Only one component is extended at a time. A rack may become unstable if more than one component is extended for any reason.

WARNING: If you are going to use a lift, be sure to use a lift that can handle the load of the component.

Anti-tip stabilizer

The anti-tip stabilizers provide stability and support when equipment is installed, removed or accessed within the rack. Stabilizer kits are available in both 600-mm and 800-mm versions. HP also recommends using the side feet, provided with these kits, to stabilize stand-alone racks from the other side. If you are stabilizing racks that are secured together with baying kits, the side feet are optional on either end of the row.

HP recommends that stabilizer option kits be used when one or more of the following situations occur:

- The standard 600-mm (23.62-in) or 800-mm (31.50-in) front foot is required with deployments of stand-alone racks.
- Side feet, which are included in the stabilizer kits, are recommended to be installed as well.

Rack rows with four or more bayed racks, without a single rack-mountable component exceeding 99.79 kg (220 lb), do not need a stabilizer kit installed.

Overview

This rack hardware kit supports a variety of products in round- or square-hole racks.

IMPORTANT: If you are shipping the server installed in a rack, see the additional instructions located in “Preparing the product for integrated shipping in a rack” before proceeding.

Installing the product in a rack

WARNING: When all components are removed, the chassis weighs 43.09 kg (95.00 lb). When all components are installed, the chassis can weigh up to 99.79 kg (220.00 lb). Before configuring your rack solution, be sure to check the manufacturer weight limits and specifications. Failure to do so can result in physical injury or damage to the equipment and the facility.

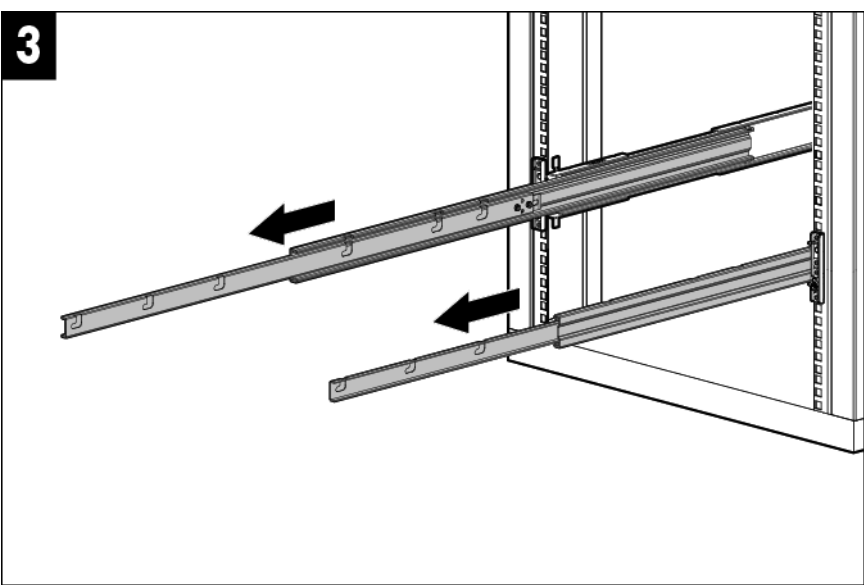
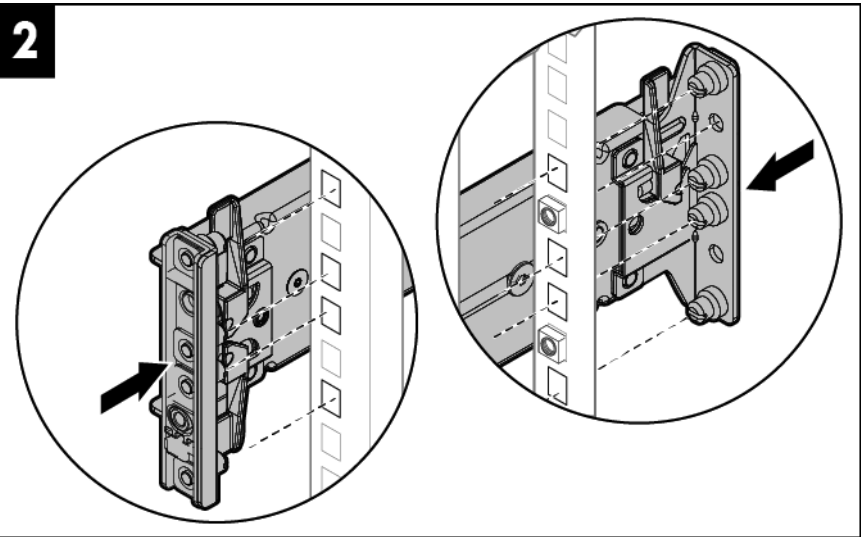
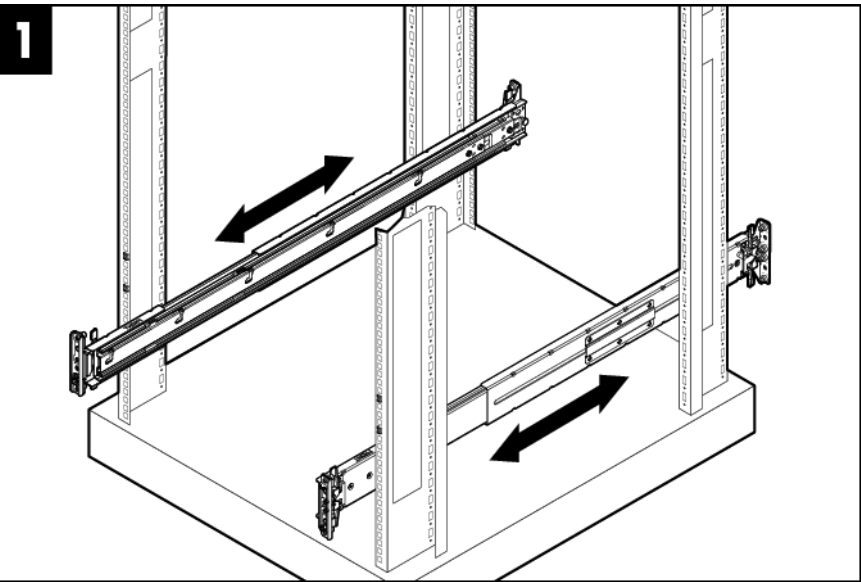
WARNING: To avoid risk of personal injury or damage to the equipment, do not stack anything on top of rail-mounted equipment or use it as a work surface when extended from the rack.

CAUTION: To prevent damage to the system, see the server setup and installation guide for more details on rack configuration.

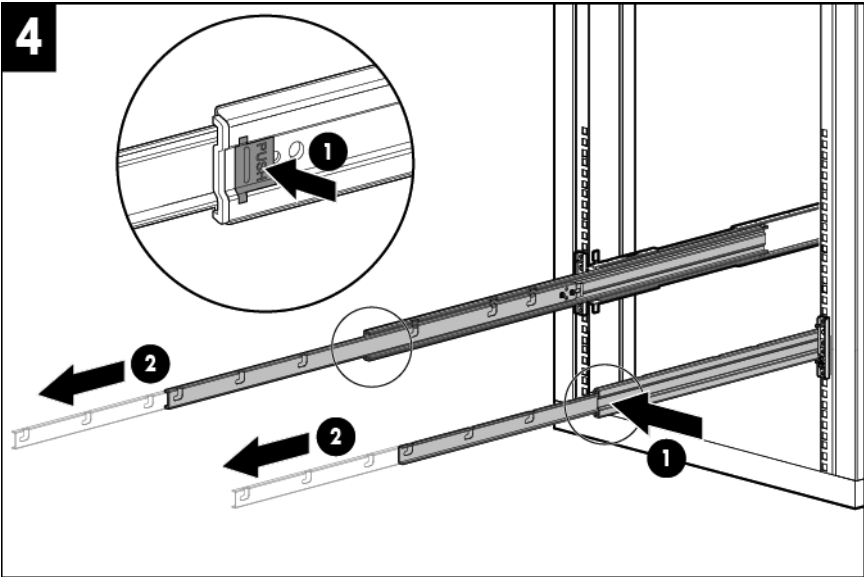
CAUTION: Always plan the rack installation so that the heaviest item is on the bottom of the rack. Install the heaviest item first, and continue to populate the rack from the bottom to the top.

CAUTION: HP has not tested or validated the chassis with any third-party racks. Before installing the chassis in a third-party rack, be sure to properly scope the limitations of the rack. Before proceeding with the installation, consider the following:

- You must fully understand the static and dynamic load carrying capacity of the rack and be sure that it can accommodate the weight of the chassis.
- Be sure sufficient clearance exists for cabling, installation and removal of the chassis, and actuation of the rack doors.



WARNING: To reduce the risk of personal injury or damage to the equipment, you must fully extend the rails. To fully extend the rails, press the push tabs and extend the rails until the rails click twice.

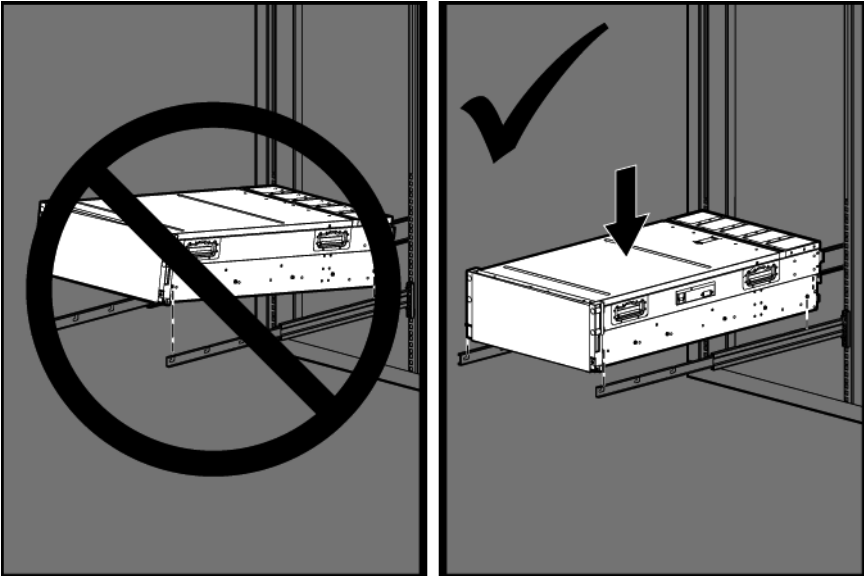


WARNING: To reduce the risk of personal injury or equipment damage, be sure that the rack is adequately stabilized before installing the chassis.

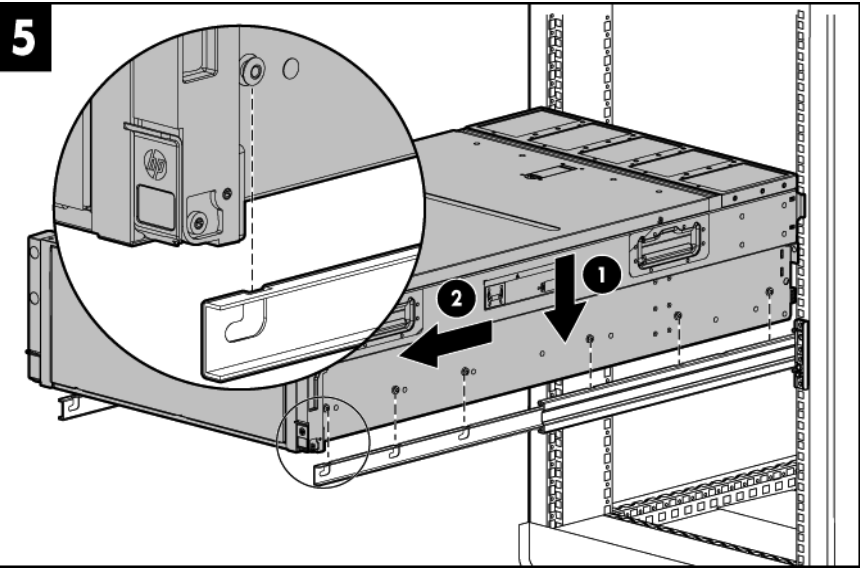
WARNING: The chassis is very heavy. To reduce the risk of personal injury or damage to the equipment:

- Always use either a lift that can handle the load of the product or at least four people to lift and stabilize the product pieces during assembly, installation, or removal, especially when the chassis is not installed in the rack. An additional person may be required to help align the chassis if the chassis is installed higher than chest level.
- Observe local occupational health and safety requirements and guidelines for manual material handling.
- HP recommends removing all installed components from the chassis before installing or moving the chassis.

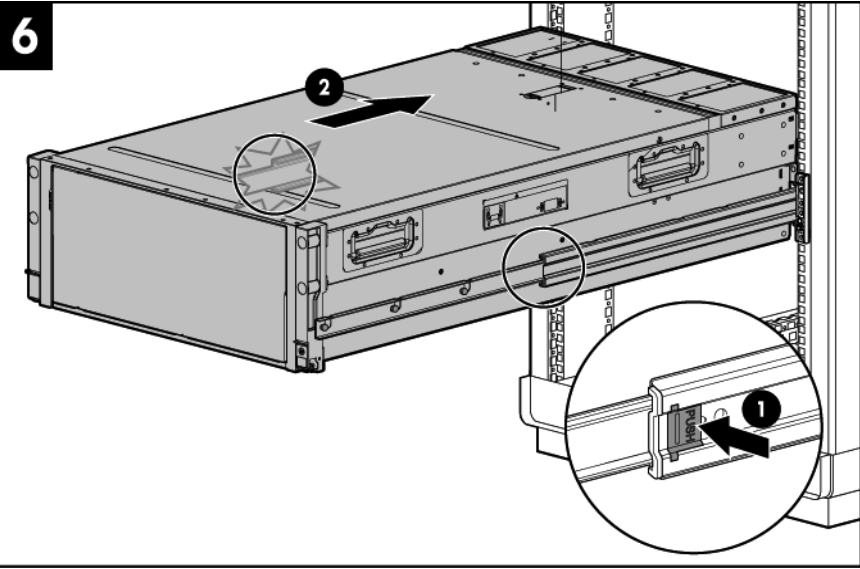
CAUTION: Be sure to keep the product parallel to the floor when installing the chassis. Tilting the product up or down could result in damage to the rails.



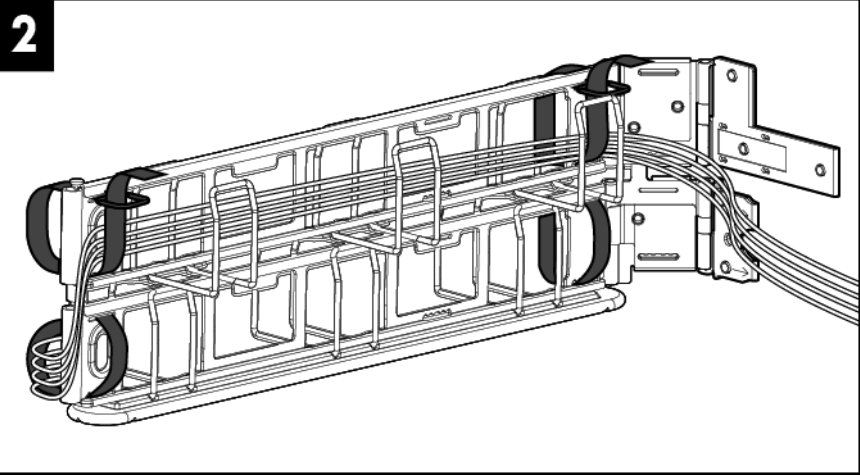
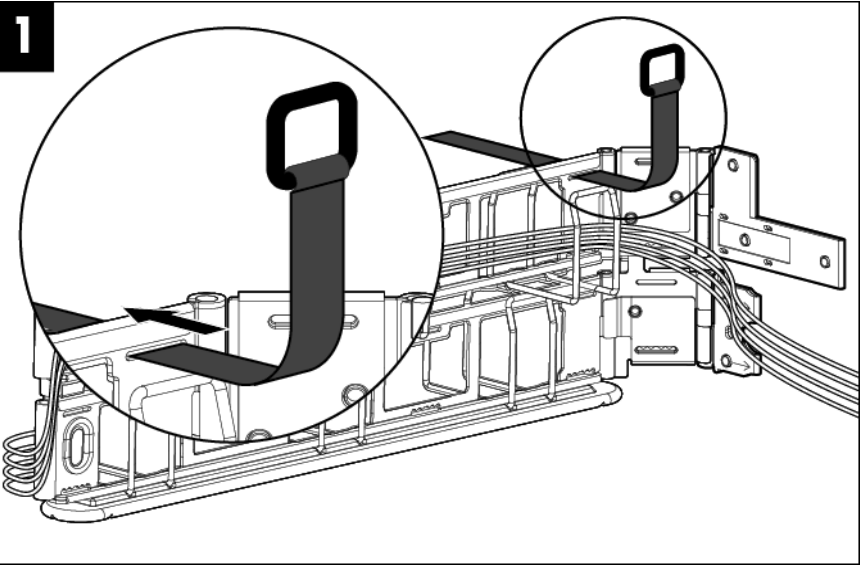
IMPORTANT: When the chassis is properly installed in the j-slots, pull the chassis forward until the chassis locks into place on the rails.



CAUTION: Press and hold the “Push” tab on each rail until the chassis begins to slide into the rack. Then, release the “Push” tabs and continue to slide the chassis into the rack. Press and hold the “Push” tab on each rail again when the rails lock at a 76.2-cm (30-inch) extension. Then, release the “Push” tabs again and finish sliding the chassis into the rack. Failure to release the “Push” tabs may cause damage to the rails.

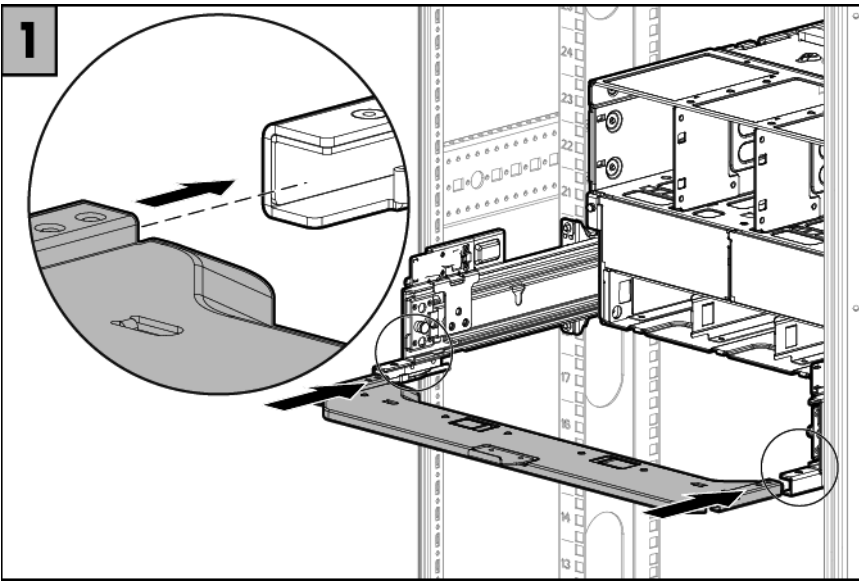


Installing hook-and-loop straps on the cable management arm

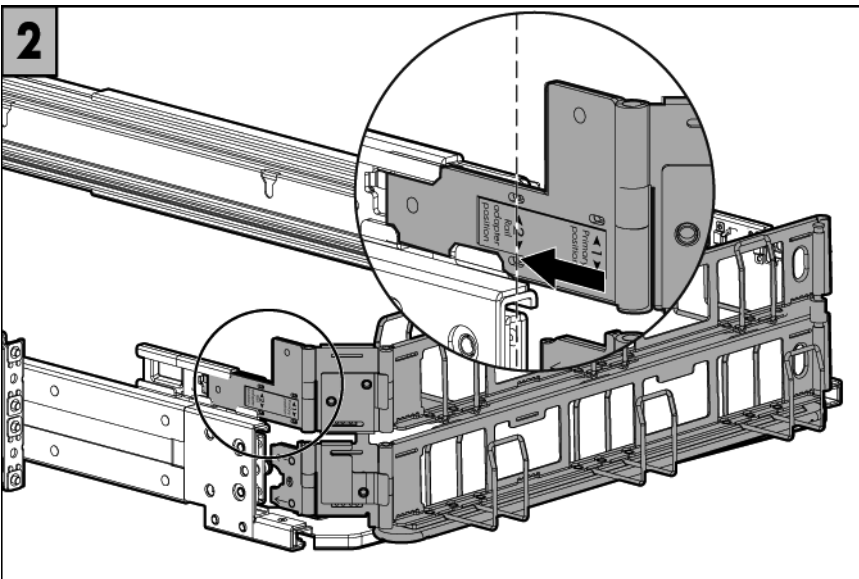


Installing the cable management arm

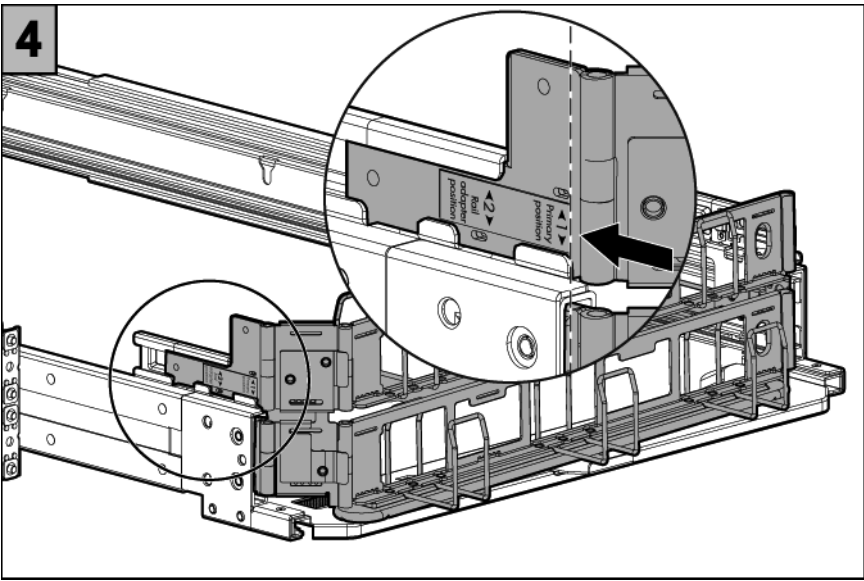
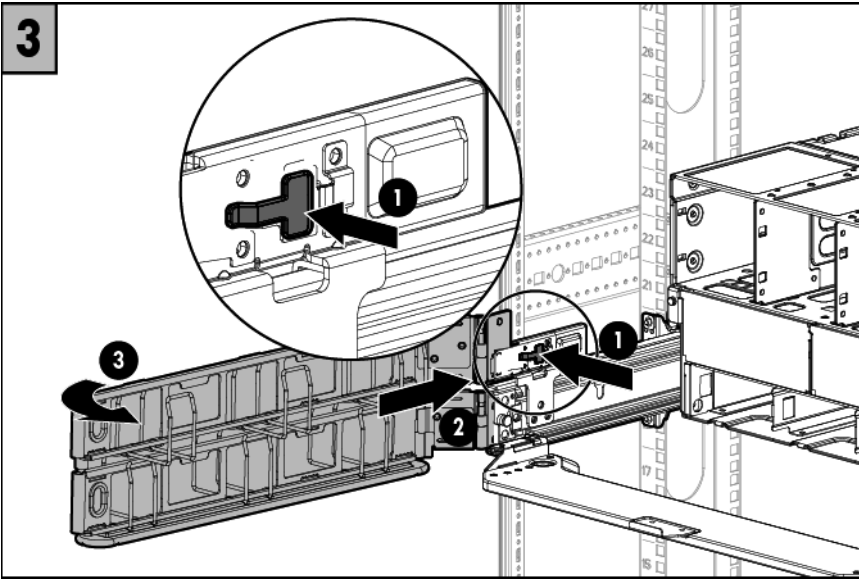
IMPORTANT: If you need to hinge the cable management arm on the rear right-hand side of the rack, see the instructions in “Converting the cable management arm for opposite side mounting.” Perform these steps to convert the arm to a right-hand swing and install the arm on the right side of the rack.



IMPORTANT: If installing the cable management arm in a rack with a rack rail adapter, install the cable management arm in the rail adapter position as shown in the following figure.



IMPORTANT: If installing the cable management arm in a rack without a rack rail adapter, install the cable management arm in the primary position by pressing the tab and sliding the arm back as shown in the following figures.



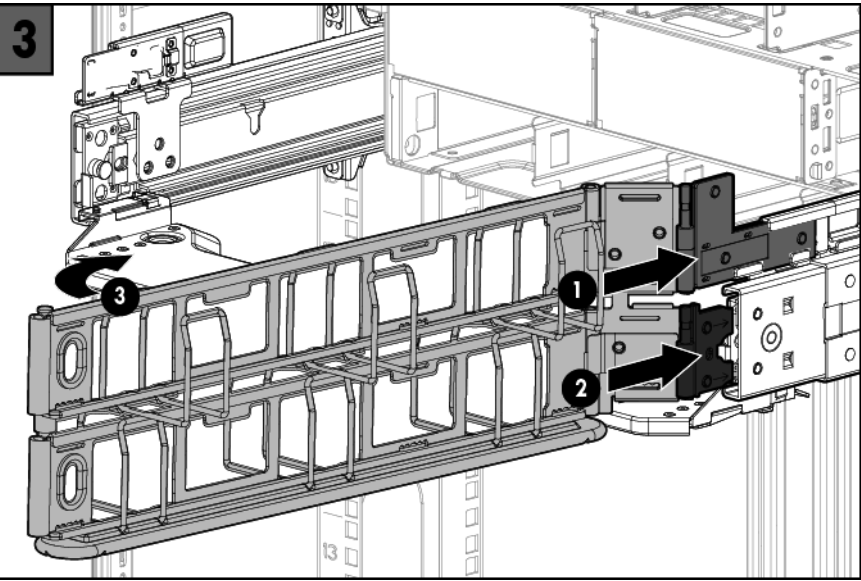
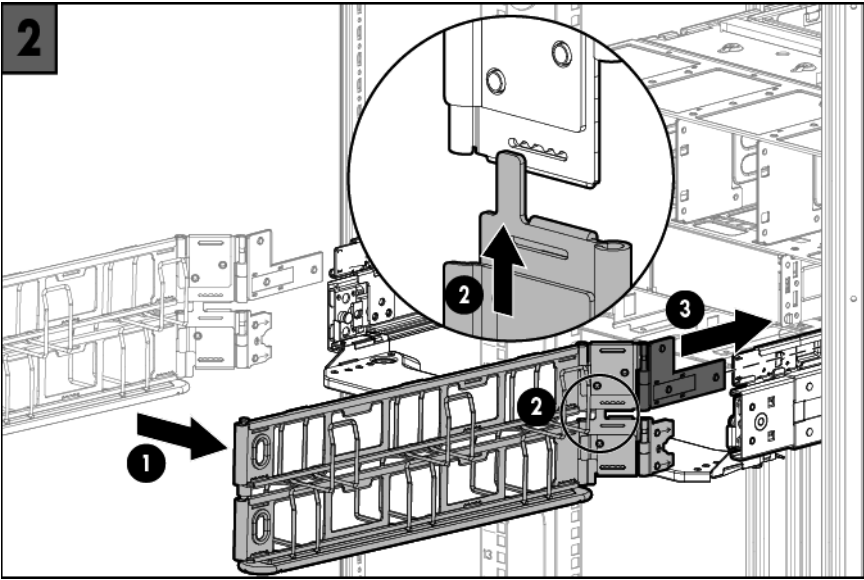
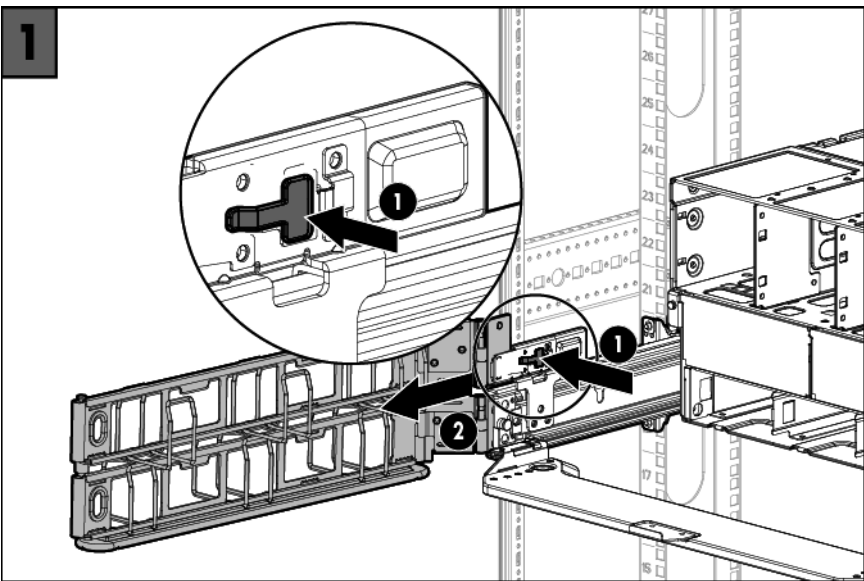
The installation is complete.
If the rack installation is to be shipped with product(s) installed, perform the steps in “Preparing the product for rack relocation or integrated shipping.”

Converting the cable management arm for opposite side mounting

The cable management arm is designed for ambidextrous implementation. You can convert the arm for right-hand swing.

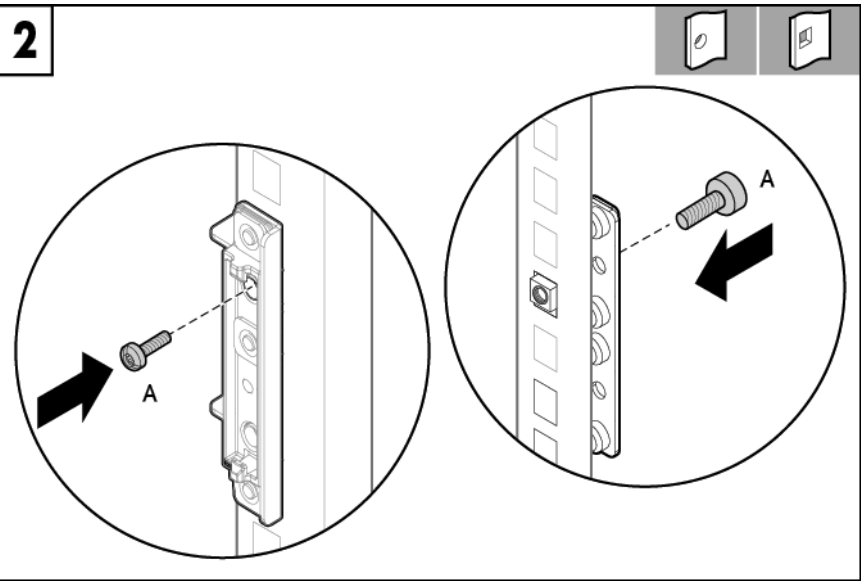
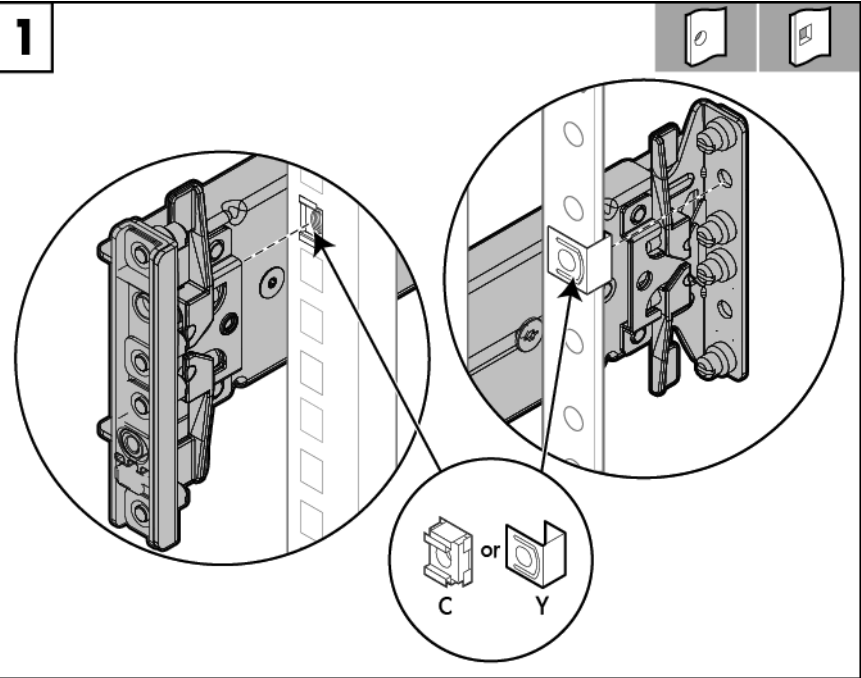
NOTE: To access some components on the rear of the product, you may need to remove the cable management arm.

IMPORTANT: When converting the cable arm, always be sure to orient the arm with the cable trough facing upward.



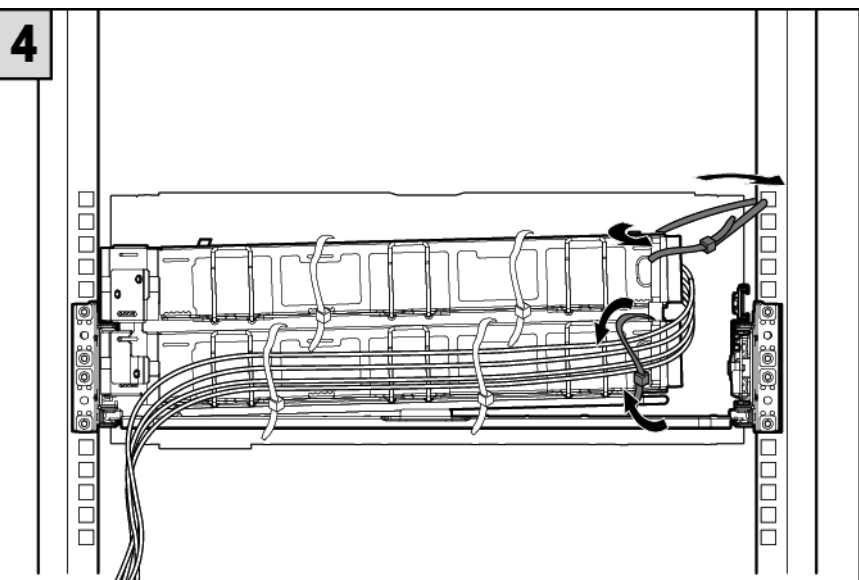
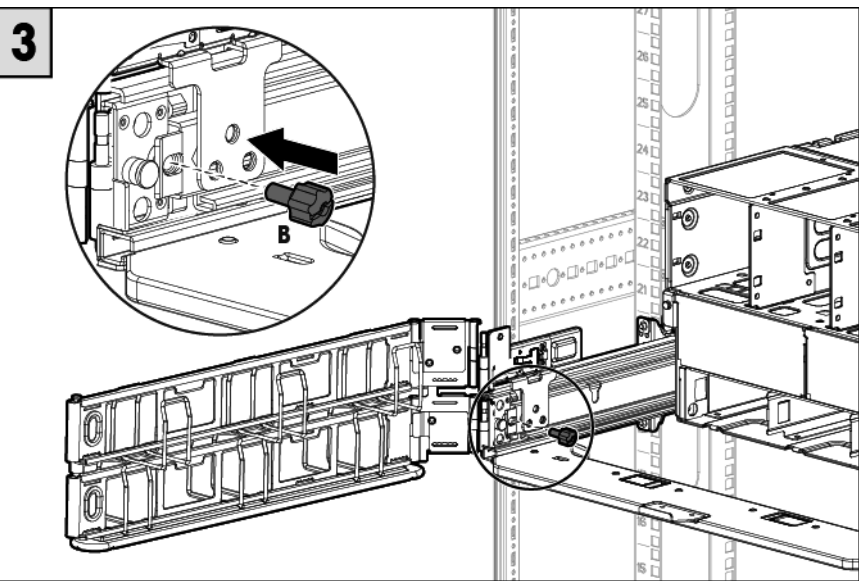
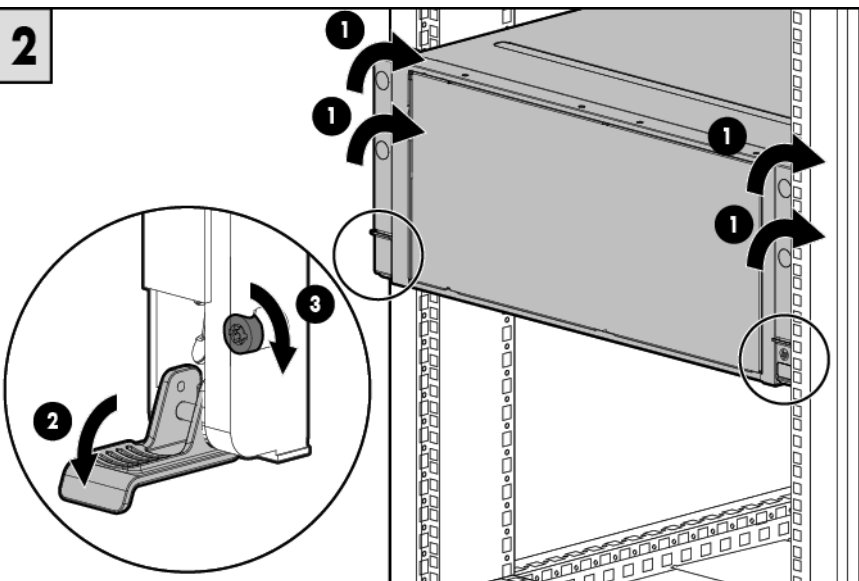
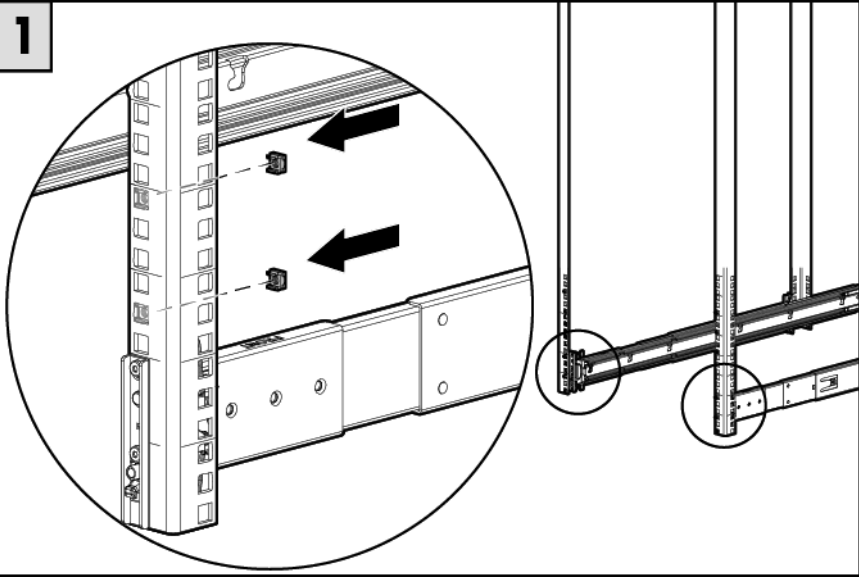
Preparing the rails for integrated shipping in a rack

Use the integrated shipping hardware included with this kit to prepare a rack for integrated shipping.



Return to step 1 in “Installing the product in a rack.”

Preparing the product for rack relocation or integrated shipping



To service or remove the product from the rack, reverse the steps in this section:

1. Remove the rear slide locking screw and the front rail locking screws. Retain the screws for future use.
2. Cut and discard the orange tie wraps.

Documentation feedback

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