



4-Post Equipment Rack Assembly Instructions

General

The 4-post equipment racks are industry standard 19-inch (483mm) and 23-inch (584mm) wide racks available in 7 foot (2.1m), 8 foot (2.4m), and 9 foot (2.7m) heights with either aluminum or steel vertical uprights (rails). Aluminum uprights include 12-24 tapped holes that accept 12-24 x 1/2" mounting screws (provided). Steel uprights include punched holes that accept M6 cage nuts and M6 x 12 mm mounting screws (both provided). The 4-post racks are designed to withstand a 2000 lb. (454 Kg) static load.

Ordering information is provided below:

Part Number	Ordering No.	Description
RK4P45-29A	760082529	45U Rack, aluminum rails, 29" x 7' (.7m x 2.1m)
RK4P52-29A	760082537	52U Rack, aluminum rails, 29" x 8' (.7m x 2.4m)
RK4P45-36A	760082560	45U Rack, aluminum rails, 36" x 7' (.9m x 2.1m)
RK4P52-36A	760082578	52U Rack, aluminum rails, 36" x 8' (.9m x 2.4m)
RK4P58-36A	760139709	58U Rack, aluminum rails, 36" x 9' (.9m x 2.7m)
RK4P58-36A-23	760142331	58U Rack 23" (584mm) wide, aluminum rails, 36" x 9' (.9m x 2.7m)
RK4PE-45-29S	760175703	45U Rack, steel rails, 29" x 7' (.7m x 2.1m)
RK4PE-52-29S	760175711	52U Rack, steel rails, 29" x 8' (.7m x 2.4m)
RK4PE-45-36S	760175729	45U Rack, steel rails, 36" x 7' (.9m x 2.1m)
RK4PE-52-36S	760175737	52U Rack, steel rails, 36" x 8' (.9m x 2.4m)

How to Contact Us

- To find out more about **CommScope®** products, visit us on the web at <http://www.commscope.com/>
- For technical assistance:
 - Within the United States, contact your local account representative or technical support at 1-800-344-0223. Outside the United States, contact your local account representative or Authorized Business Partner.
 - Within the United States, report any missing/damaged parts or any other issues to CommScope Customer Claims at 1-866-539-2795. Outside the United States, contact your local account representative or Authorized Business Partner.



WARNING

Legal Disclaimer: It is highly recommended that installation of this product be performed by a qualified and experienced installer. Improper installation of this product could result in damage to the product, other equipment, or personal injury. **CommScope** cannot be held responsible for damage to equipment or personal injury resulting from improper fastening or misuse of information presented in this document. **Racks must be wired per applicable sections of the National Electrical Code (NEC). If grounding is required, appropriate grounding hardware approved by the NEC must be used.**

Parts List

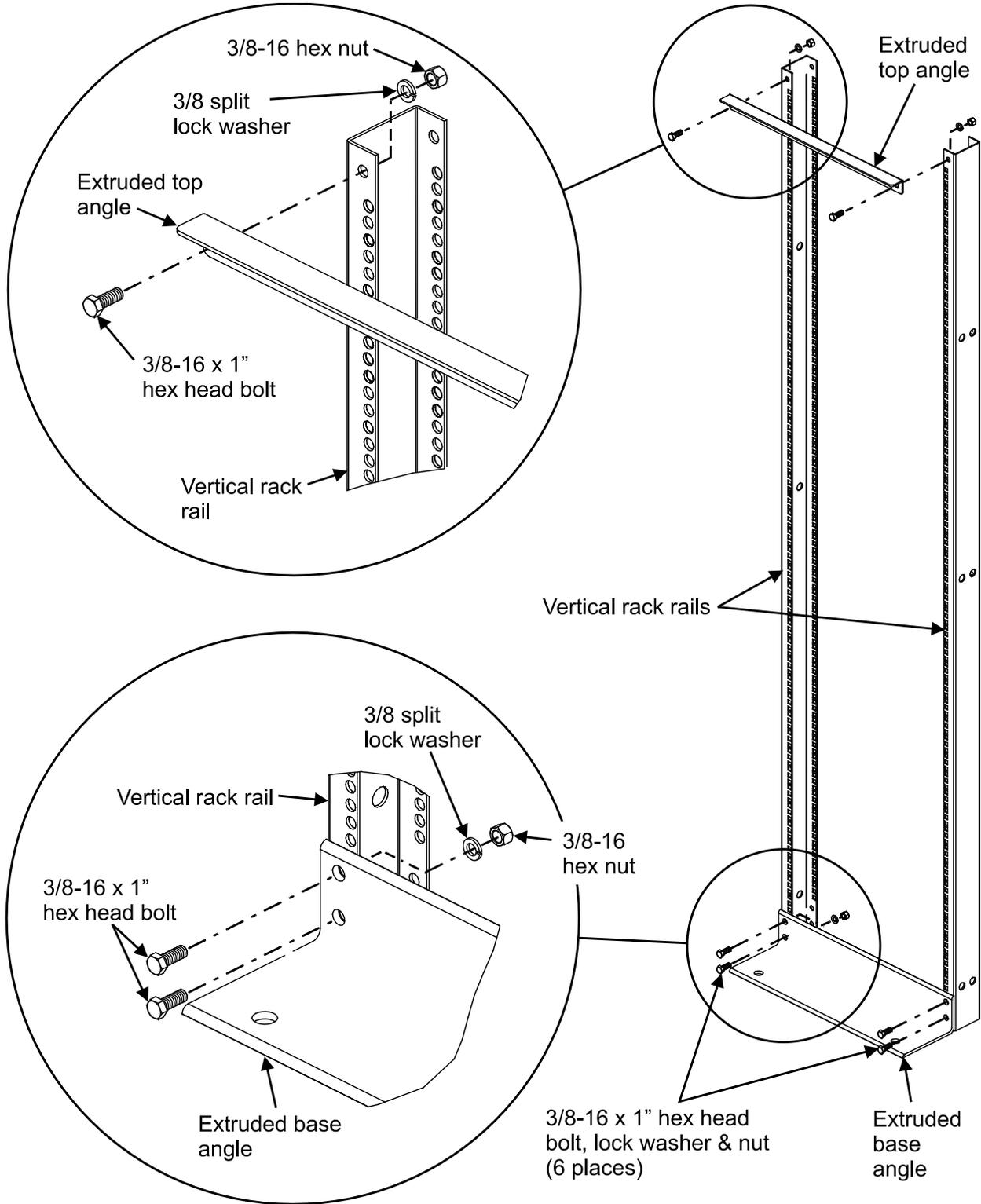
Verify parts against the parts list below:

Quantity		Description
Steel Rails	Aluminum Rails	
4	4	Vertical rack rails
2	2	Extruded base angles
2	2	Extruded top angles
1	1	Base pan
1	1	Upper support plate
24	24	3/8-16 x 1" hex head bolts
24	24	3/8-16 split lock washers
24	24	3/8-16 hex nuts
–	40	12-24 x 1/2" mounting screws*
40	–	M6 x 12 mounting screws*
40	–	M6 cage nuts
1	1	Instruction sheet

* Recommended torque for 12-24 and M6 screws is 30 in-lb. (3.4 N-m).

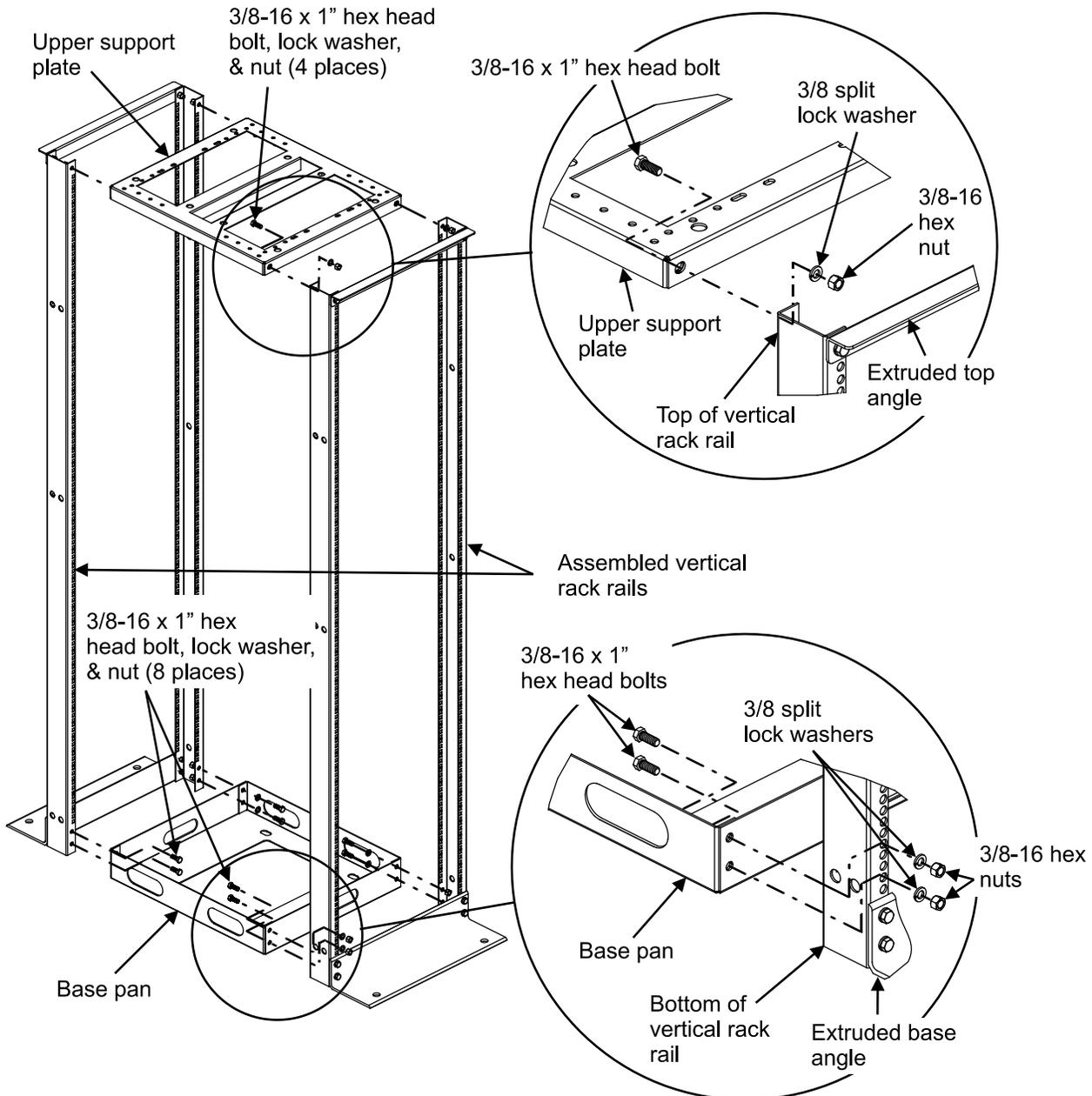
Step 1 – Assembly of Vertical Rack Rails

1. Lay two vertical rack rails on the floor with flanges facing each other.
2. Position one extruded base angle and one extruded top angle on the vertical rack rails as shown in the following figure.
3. Insert six 3/8 x 16 x 1" hex head bolts, 3/8 lock washers, and 3/8 hex nuts. **Hand-tighten only.**
4. Repeat for second set of vertical rack rails.

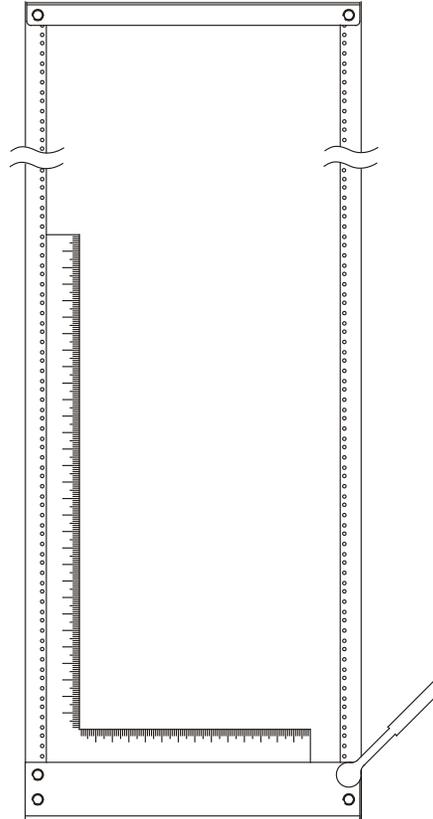


Step 2 - Final Assembly of Rack

1. Position both vertical racks, assembled in Step 1, on their sides on the floor approximately 23 inches (584mm) apart. Extruded base angles should face away from each other.
2. Position the base pan near the extruded base angles and the upper support plate near the extruded top angles on the vertical rack rails.
3. Attach upper support plate and base pan to assembled vertical rack rails, as shown in figure on next page. Insert twelve 3/8 x 1" hex head bolts, 3/8 lock washers, and 3/8 hex nuts. **Hand tighten only.**



4. Raise the frame to an upright position.
5. Using a carpenter's square, align the vertical rack rails, extruded top angles and extruded base angles to square.
6. Tighten all bolts securely.
7. Completed frame may be installed onto floor attachments forward, center or to the rear using the extruded base angle.



Installation

Note: Racks are approved for mounting on concrete or other non-combustible surfaces.

1. The equipment rack must be securely anchored to the floor or to an equally stabilized and secure surface using approved mounting hardware
2. The structural integrity of the rack will only be as good as the quality of the rack to floor attachment. Using improper sized anchors or failing to secure all floor bolts can result in structural failure and possibly personnel injury.
3. Racks tend to be top heavy and as such should be anchored as soon as possible to avoid the possibility of tipping over. **Never install equipment until the rack is fully locked down and secured to the floor.**