



2-Post Equipment Rack Assembly Instructions (Metric Version)

General

The 2-post equipment racks (metric version) are industry standard 483mm (19 inch) wide racks available in 2.1m (7-foot) and 2.4m (8-foot) heights with aluminum vertical uprights (rails). The racks include punched holes that accept M6 cage nuts and M6 x 15mm mounting screws (both provided). The 2-post racks are designed to withstand a 454 Kg (1000 lb.) centered static load.

Ordering information is provided below:

Material ID	Part Number	Description
760092007	RK3-45AM	45U Rack, aluminum rails, 76mm x 2.1m (3" x 7')
760092015	RK3-52AM	52U Rack, aluminum rails, 76mm x 2.4m (3" x 8')
760092023	RK6-45AM	45U Rack, aluminum rails, 152mm x 2.1m (6" x 7')
760092031	RK6-52AM	52U Rack, aluminum rails, 152mm x 2.4m (6" x 8')
760092049	RK12-45AM	45U Rack, aluminum rails, 305mm x 2.1m (12" x 7')

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.

Tools Required

- 16mm Socket
- 16mm Box-end wrench
- Carpenter's square



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.**

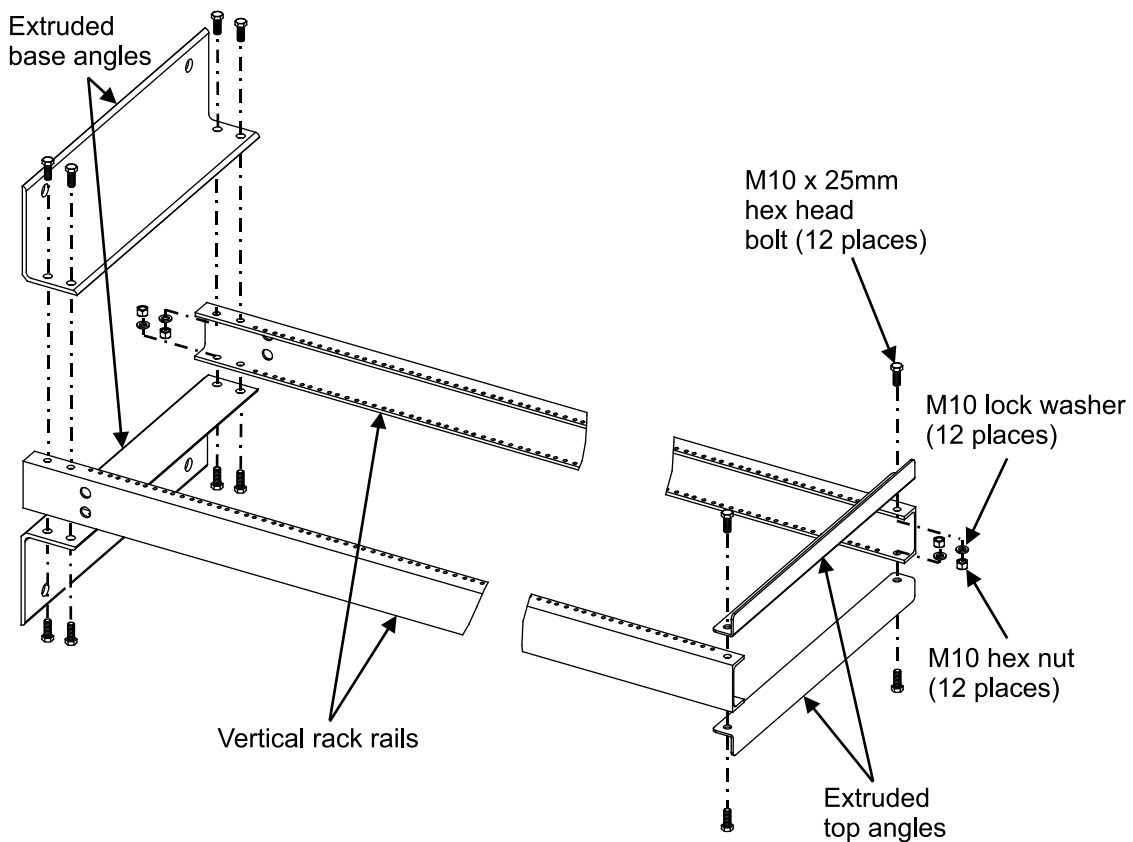
Parts List

Verify parts against the parts list below:

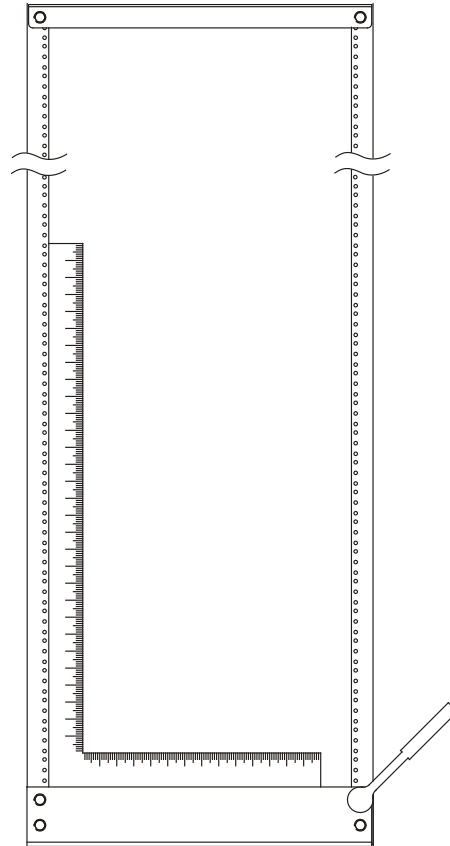
Quantity	Description
2	Vertical rack rails
2	Extruded base angles
2	Extruded top angles
12	M10 x 25mm bolts
12	M10 hex nuts
12	M10 split lock washers
40	M6 x 15mm mounting screws*
40	M6 cage nuts
1	Instruction sheet

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

Assembly



1. Lay both vertical rack rails flat on floor with flanges facing each other as shown on page 2.
2. Position one base angle and one top angle on channels as shown and insert six M10 x 25mm hex head bolts, M10 lock washers, and M10 hex nuts. **Hand-tighten only.**
3. Turn assembly over and position second base angle and top angle as shown. Insert six M10 x 25mm hex head bolts, M10 lock washers, and M10 hex nuts. **Hand-tighten only.**
4. Using a square, align the channels, top angles and the base angles to square the rack and to obtain a panel mounting hole spacing for a 19-inch rack.
5. Tighten all assembly bolts securely.
6. Stand rack upright, making sure the supports are still square with the top and base angles.



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.**