

## RE 2 Post Rack System



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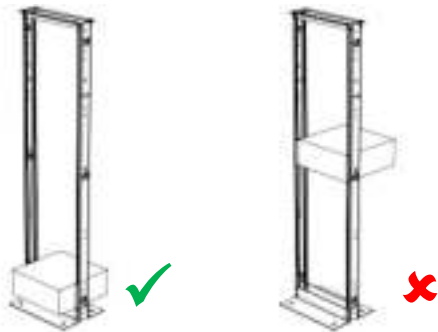
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## 1. SAFETY WARNINGS



This manual contains important instructions that you should follow during installation and maintenance of the RE 2 Post Rack system. Please read all instructions before operating the equipment and save this manual for future reference.

1. **WARNING!** RE 2 Post Rack components can be very heavy. When lifting heavy components or electronic equipment, ensure that all safety regulations are observed.
2. **WARNING!** The enclosure must be stabilized (bolted to floor) before installing any accessory, component or electronic device. Failure to stabilize prior to installing equipment may cause the enclosure to tip over.
3. **WARNING!** First, load the heaviest electronic devices and accessories into the bottom of the rack to prevent the rack from becoming top-heavy and ensure the 19" equipment is evenly loaded front to back in the RE 2 Post Rack (see diagram below);



4. **WARNING!** It is the customer's responsibility to ensure that the floor has a structural load capacity that will safely bear the weight of the RE 2 Post Rack and installed components.
5. **WARNING!** There must be an uninterruptable safety earth ground from the main power source to the Power Distribution Unit's PDU (if fitted) power cord set. Whenever it is likely that ground has been impaired, disconnect the PDU's power cord until the ground has been restored.
6. **WARNING!** High leakage current may be present. Grounding connection essential before connecting supply.
7. **WARNING!** Rack is intended to be used with equipment complying with IEC 60950. Use with non-compliant equipment may result in electrical hazard.
8. **WARNING!** The installer is responsible for grounding the RE 2 Post Rack to the building electrical system. Additional equipment can be electronically bonded to the rack's frame using additional grounding points and appropriate fixings.

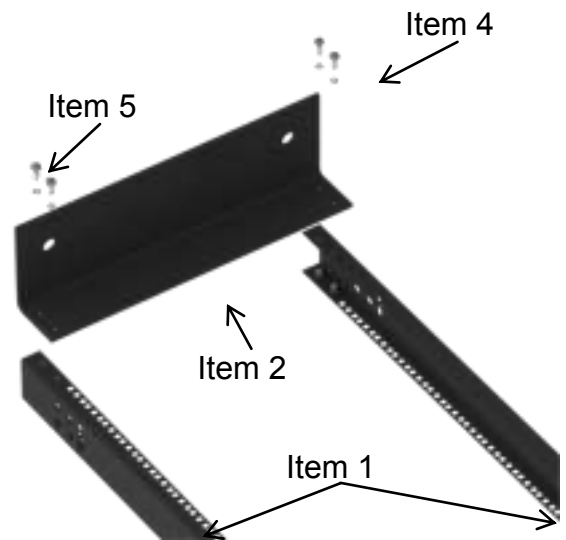
## 2. RE 2 Post Rack Frame Assembly Guide



ITEM	DESCRIPTION	QTY
1	RE 2 POST VERTICAL MOUNTING RAIL	2
2	RE 2 POST BOTTOM ANGLE	2
3	RE 2 POST TOP ANGLE	2
4	M8 SHAKEPROOF WASHER	8
5	M8 x 20mm HEX HEAD BOLTS	8
6	BRACKET ASSEMBLY FOR PDU & CABLE BASKET	2

## • Step -1

Lay vertical mounting rails on a flat surface with the open sides of the channel facing each other. The rails should be approximately 450mm apart.



## • Step - 2

Place the bottom angle on the vertical mounting rails as shown in *Figure 1*.

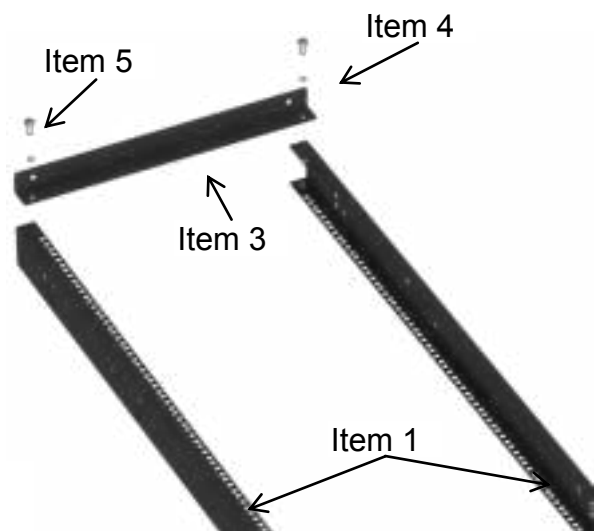
Align the bottom angle holes with the holes in the vertical mounting rails. Fasten using 4 x M8 washers and 4 x M8 x 20 Hex Head bolts, then FINGER TIGHTEN.

*Figure -1*

## • Step - 3

Place the top angle on the vertical mounting rails as shown in *Figure 2*.

Align the top angle holes with the holes in the vertical mounting rails. Fasten using 2 x M8 washers and 2 x M8 x 20 Hex Head bolts, then FINGER TIGHTEN.



*Figure - 2*

## • Step - 4

Turn the rack over and repeat Steps 2 and 3.

## • Step - 5

Stand the rack up and square as shown in *Figure 3*.

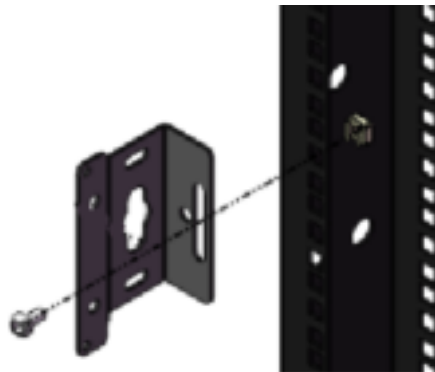
Tighten all fixings to **12 Nm** (tolerance +/- 2 Nm)

## • Step - 6

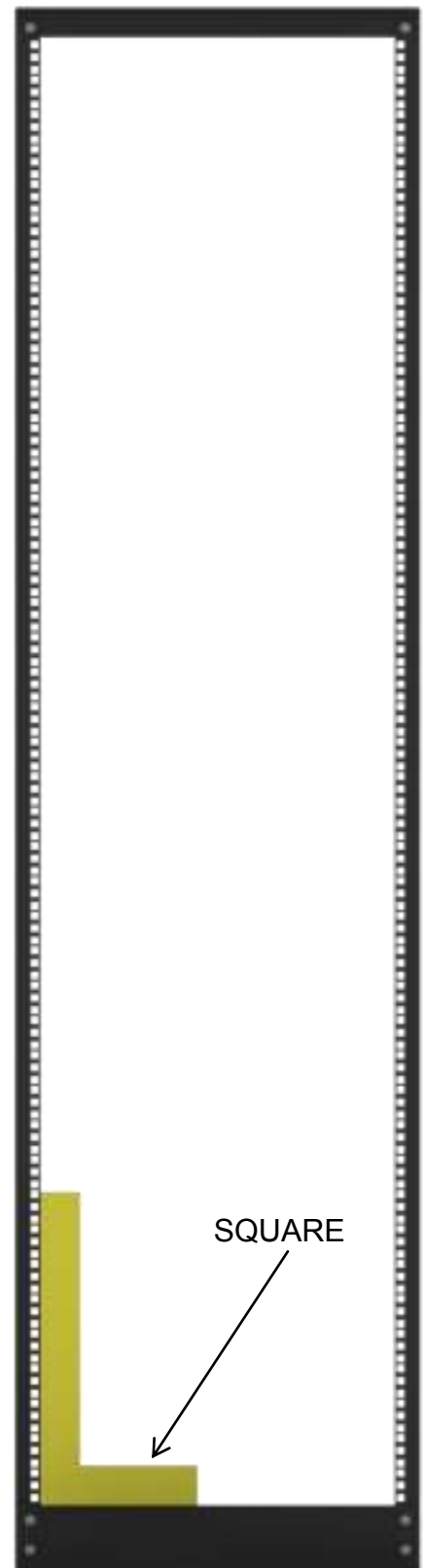
The bottom angles need to be secured to the floor (floor fixings not included)

## • Step - 7

If required, install the 2 Cable Basket / PDU brackets to the RE 2 Post Rack vertical mounting rail side or, using cage nuts, to the 19" rail.

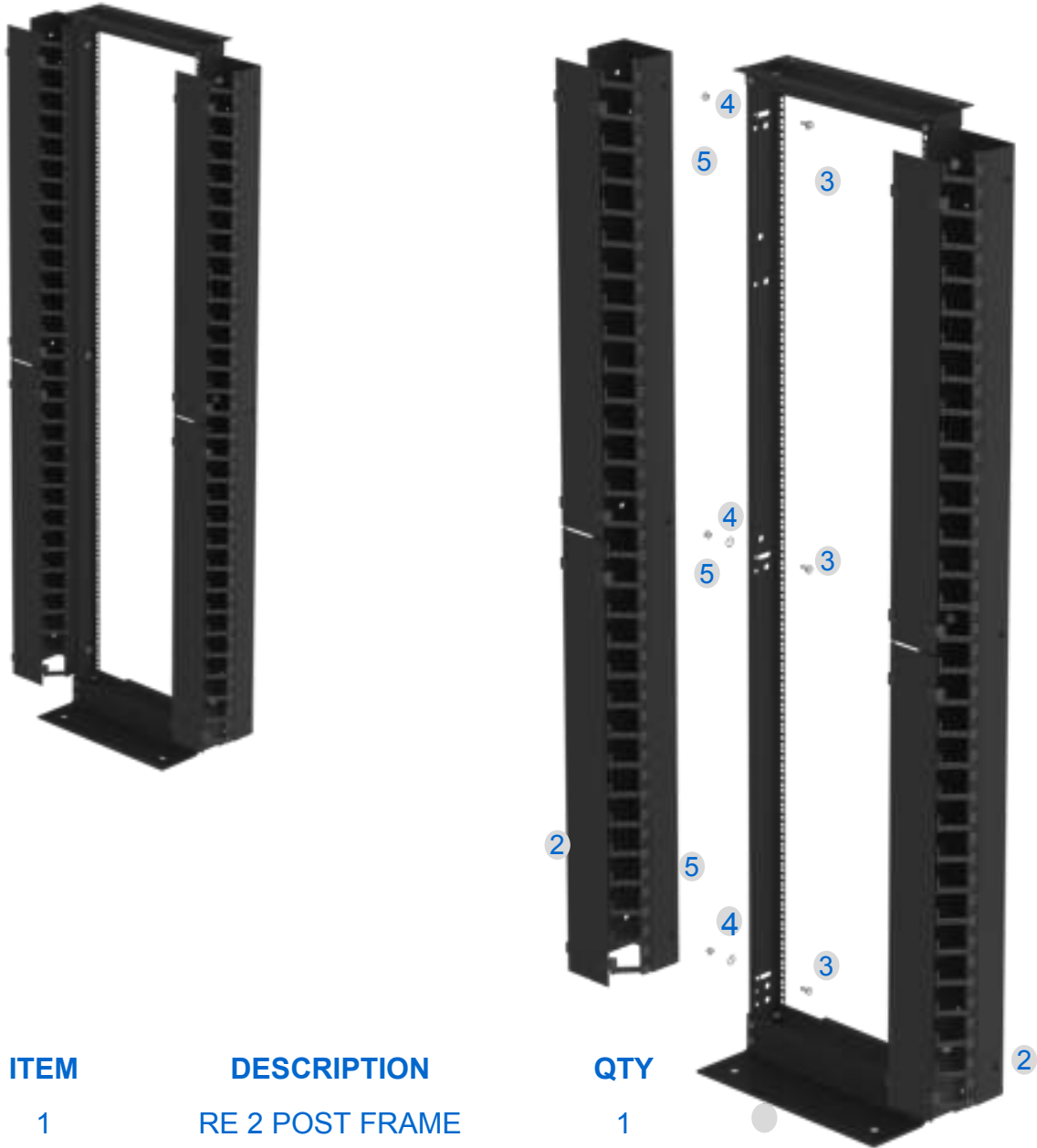


Once secured to the floor the rack is now ready for equipment installation.



*Figure - 3*

### 3. RE 2 Post Rack Vertical Cable Manager Assembly Guide



ITEM	DESCRIPTION	QTY
1	RE 2 POST FRAME	1
2	RE CABLE MANAGER	2
3	M10 x 20 HEX HEAD BOLTS	6
4	M10 WASHER	6
5	M10 HEX FULLNUTS	8

## • Step -1

Ensure the RE 2 post frame is securely fastened to the floor.

**2 person assembly** - Person one offers the cable manager to the RE 2 Post frame whilst Person two passes the Item -3 through the frame (The fixing must pass through the obround slot in the 2 Post frame) into the Cable manager securing on the inside of the manager with a Item-4+5 then *FINGER TIGHTEN*. See figure-1

## • Step - 2

Fix the Cable manager in 3 places - Top, Middle & Bottom.

Item 2 →

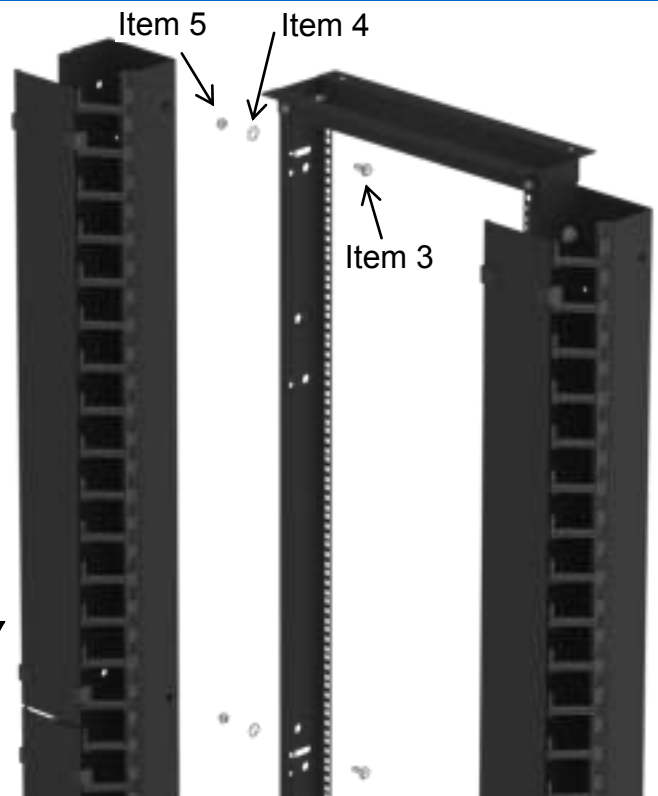


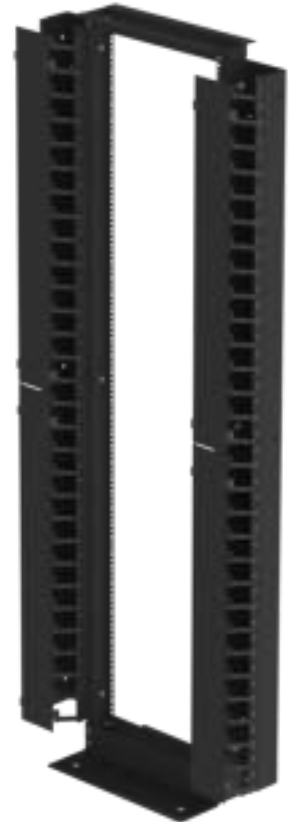
Figure -1

## • Step - 3

Position the Cable Manager and Tighten all fixings to 12 Nm (tolerance +/- 2 Nm)

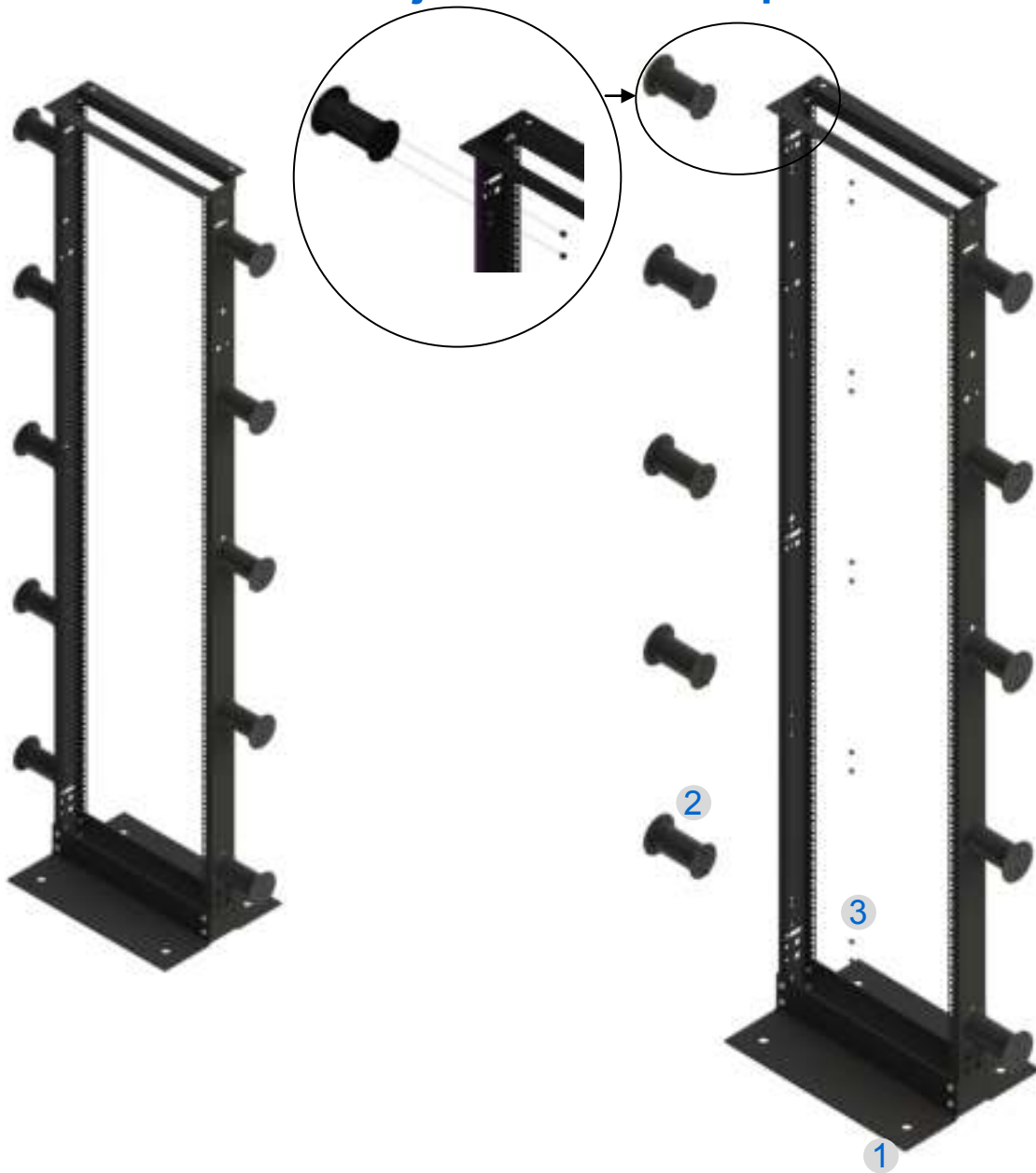
## • Step - 4

Repeat step 1-2 on the opposite side of the RE 2 Post rack





## 4. RE 2 Post Rack Adjustable Cable Spools

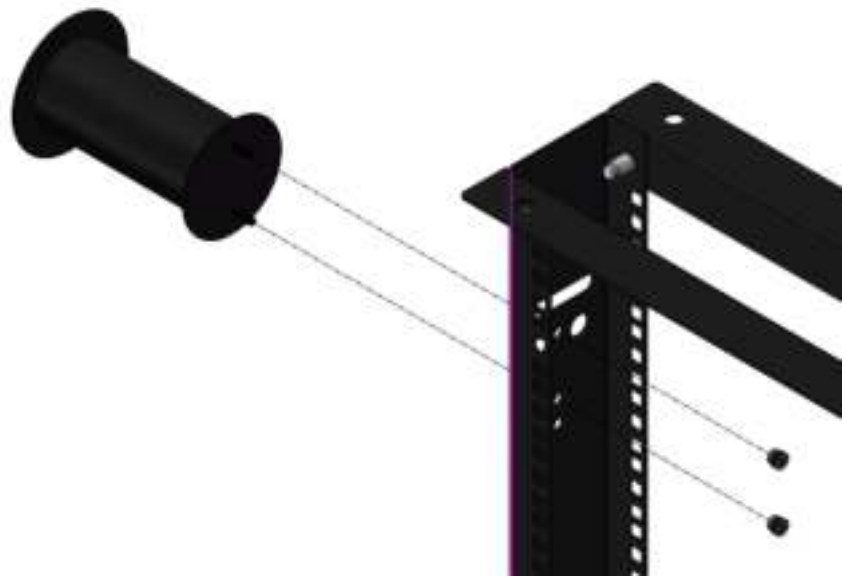


ITEM	DESCRIPTION	QTY
1	RE 2 POST RACK	1
2	ADJUSTABLE CABLE SPOOL	5 PER KIT
3	M5 THUMB NUTS	2 PER SPOOL

## • Step -1

Ensure the RE 2 Post Rack frame is securely fastened to the floor.

Remove the thumb screws from spools where fitted See *figure-1*



*Figure -1*

## • Step - 2

Offer up a cable spool to the 2 holes in the vertical rail (Note there are 5 positions available on the rail). Thread on and tighten the thumb nuts.



## • Step - 3

Repeat step 1-2 where required.

## 5. RE 2 Post Rack Vertical 300mm Cable Basket Assembly Guide.

### • Step -1

Ensure the RE 2 Post Rack frame is securely fastened to the floor.

### • Step -2

Secure the bracket to the RE 2 Post Rack vertical mounting rail.



### • Step -3

Secure the cable basket to the bracket with the fixings and clamp plate supplied and tighten all fixings to 12Nm.

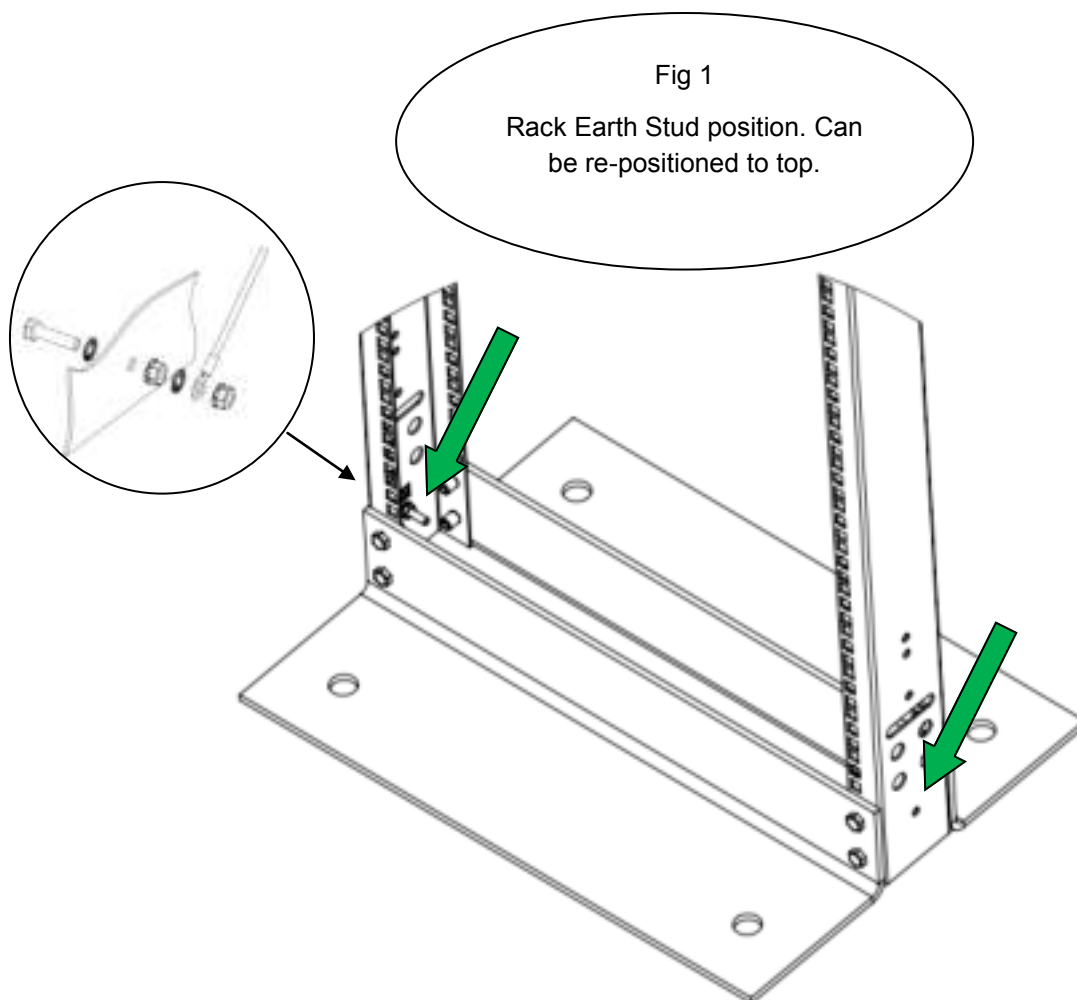


Please note; 300mm Cable Basket is supplied with bracket assembly RE2PRCBPDUBA as detailed above. To mount 100mm or 200mm Cable Baskets in this way additional brackets RE2PRCBPDUBA will need to be ordered separately.

## 6. RE 2 Post Rack Earth Bonding.

The RE 2 Post Rack vertical mounting rails have earth bonding holes at both top and bottom. This enables easy earth bonding from above or below.

- **Step - 1** 1 serrated nut and bolt kit is supplied as standard for the purpose of earth bonding (see Fig 1). Locate this nut and bolt kit in the desired earth hole position and tighten to 12Nm.
- **Step - 2** Attach a pre-terminated earth wire to the bolt, then the washer and nut and tighten to 12Nm.



## Installation Guide

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Eaton Industries Manufacturing GmbH

Electrical Sector EMEA

Route de la Longeraie 7

1110 Morges, Switzerland

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