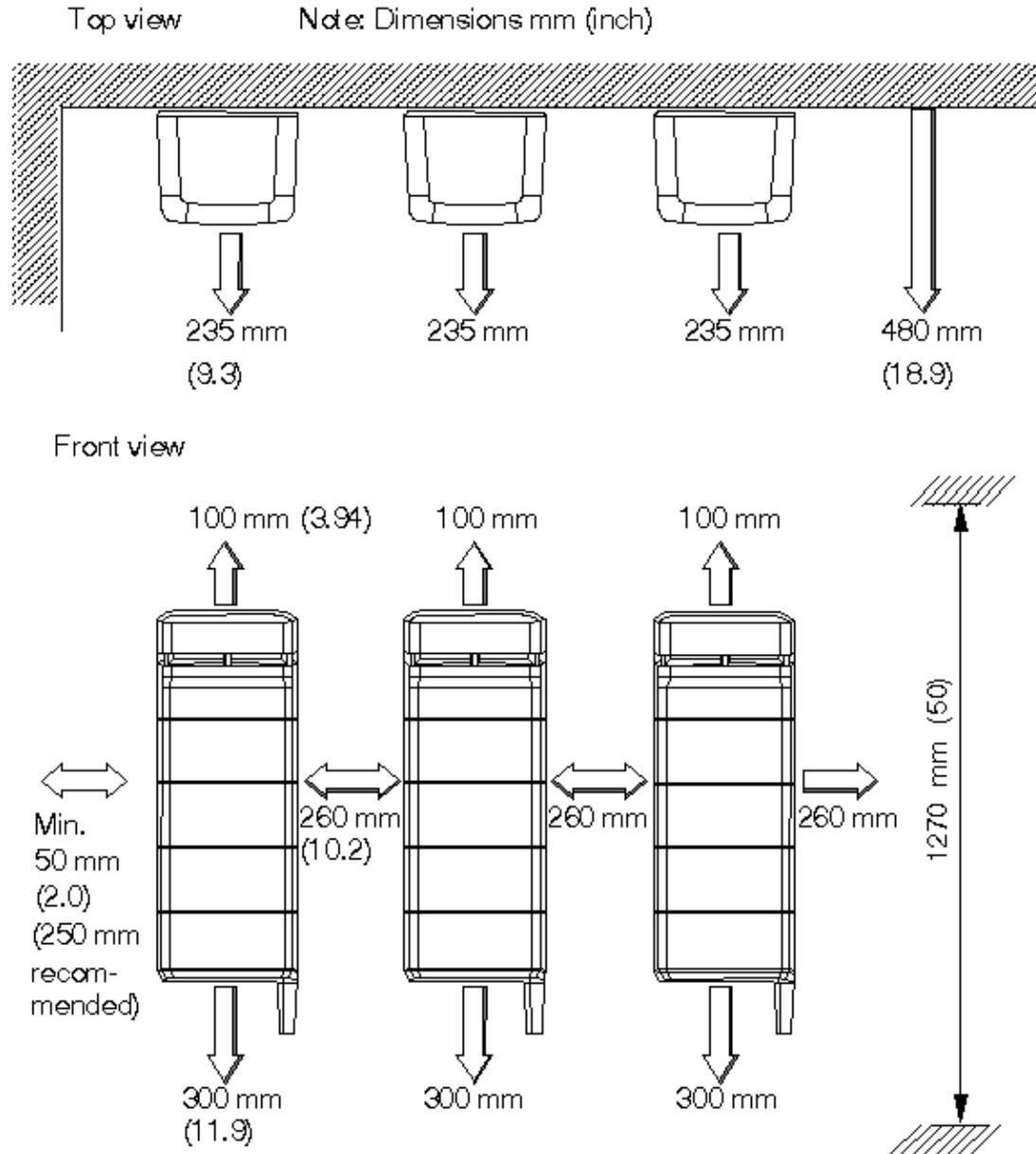


# Metrohub Specification's

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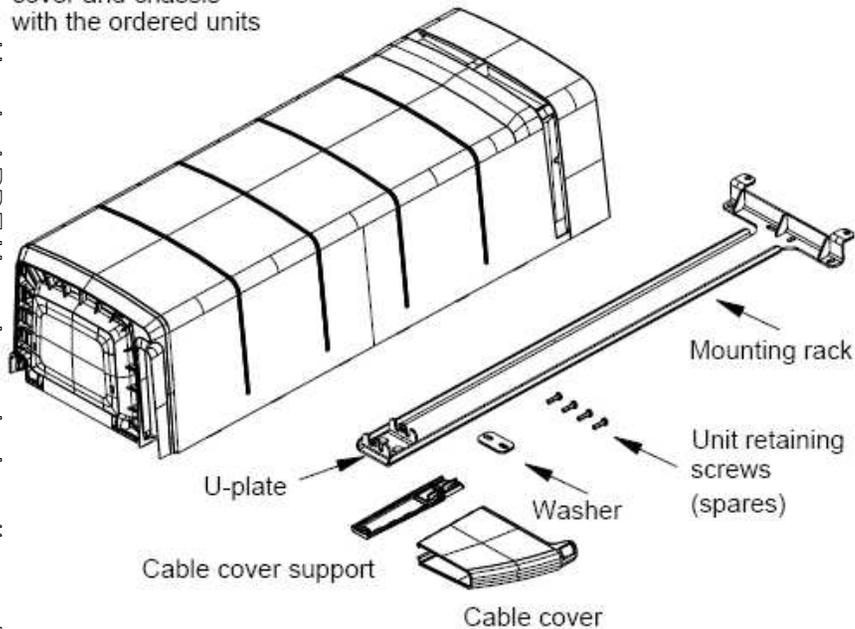
# Work order

1. Unpack the delivery.
2. Inspect the equipment visually.
3. Remove the mounting rack from the MetroHub.
4. Remove sufficient number of units from the cabinet, if necessary to make MetroHub lighter to handle.
5. In the case of pole mounting, preassemble the mounting brackets.
6. Install the mounting rack on a wall or a pole.
7. Install the cabinet onto the mounting rack.
8. Reinstall the removed units, if applicable.
9. Ground the cabinet.
10. Install the optional battery
11. Connect and route the cables.
12. Power up the MetroHub.
13. Commission the MetroHub as specified in the User Manual.
14. Complete the installation.

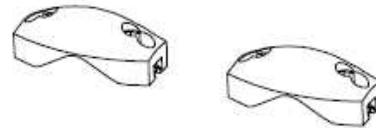


# MetroHub Delivery

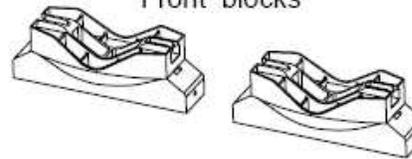
Nokia MetroHub cover and chassis with the ordered units



Back blocks



Front blocks



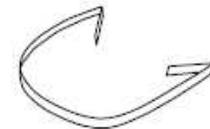
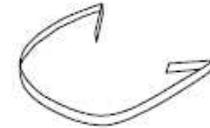
Allen screws (M6x20)



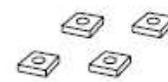
M8x120 bolts



Metal bands



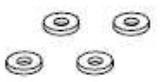
Square nuts 20x20x4 mm



Locking device



Washers

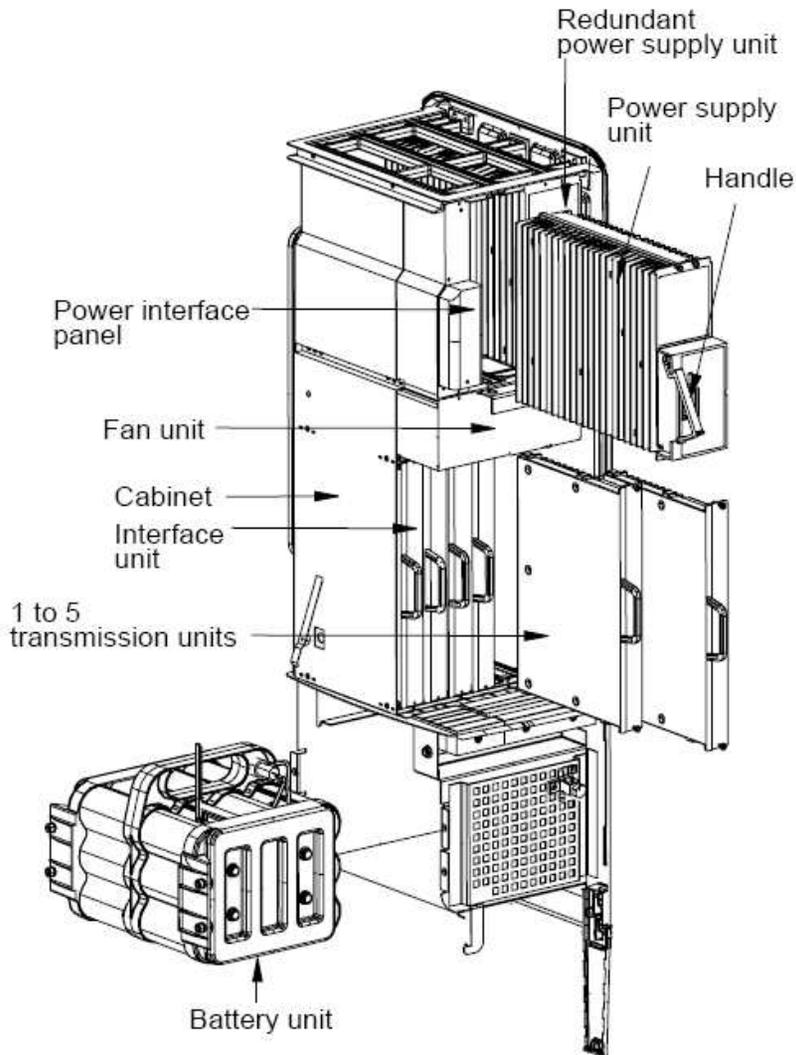


Basic Transportation Package

Pole mounting kit (optional)

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# Arrangement of units

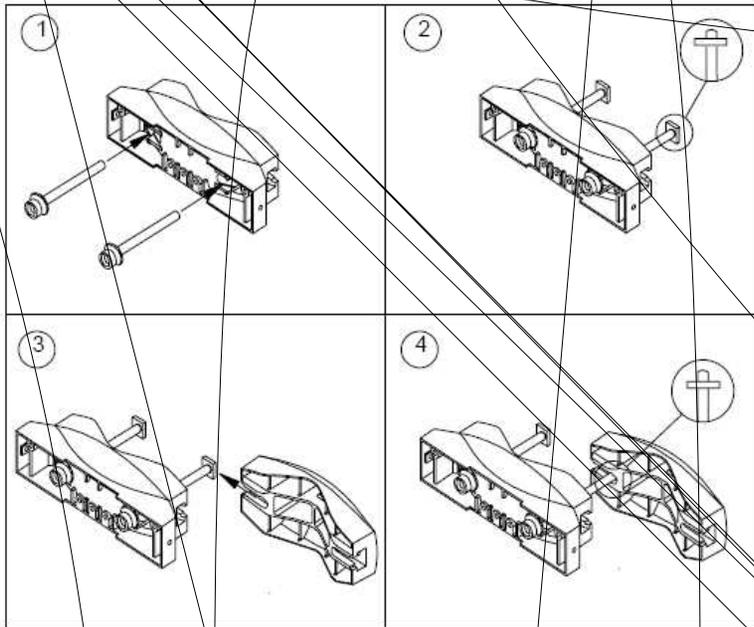


- Power Interface Panel
- Power Supply unit (Main & Standby)
- Fan Unit
- Transmission Units (Max. 5 Nos.)
- Battery Unit (optional)

Unit can be removed by removing the unit retaining screws and pulling out using handle.

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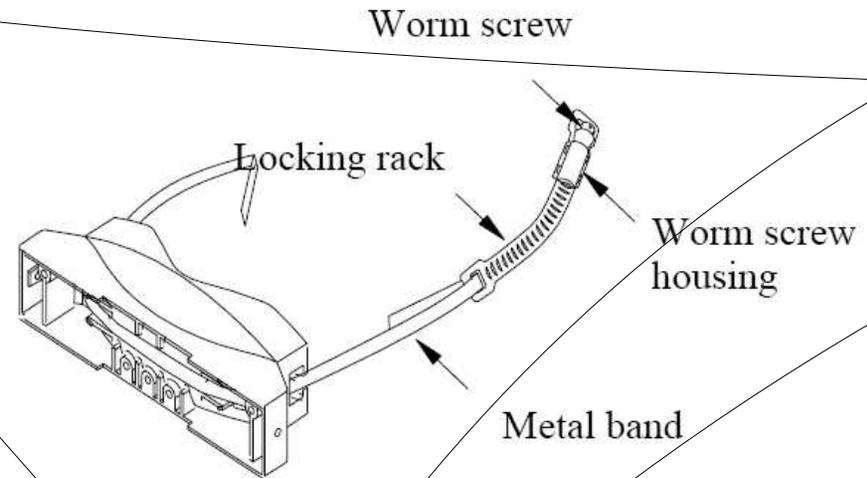
# Preassembling the pole brackets



Pole dia. 60-120 mm

Pole mounting includes

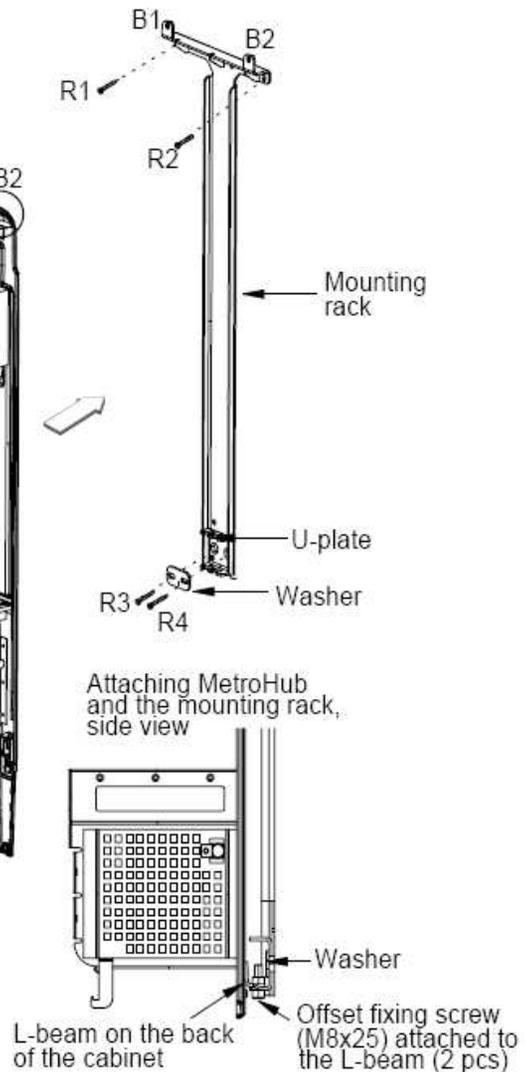
- 1) Preassembling the pole brackets
- 2) Installing the pole bracket and mounting rack on the pole
- 3) Installing MetroHub on the mounting rack.



Pole dia. >120 mm, pole mounting kit version 2

# Cabinet mounting on Mounting Rack

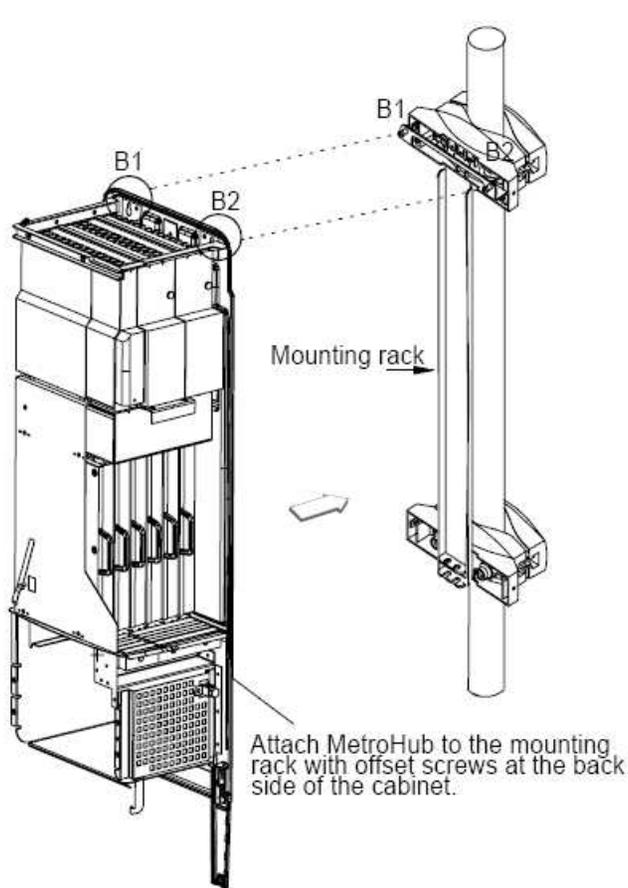
(Wall Mounting)



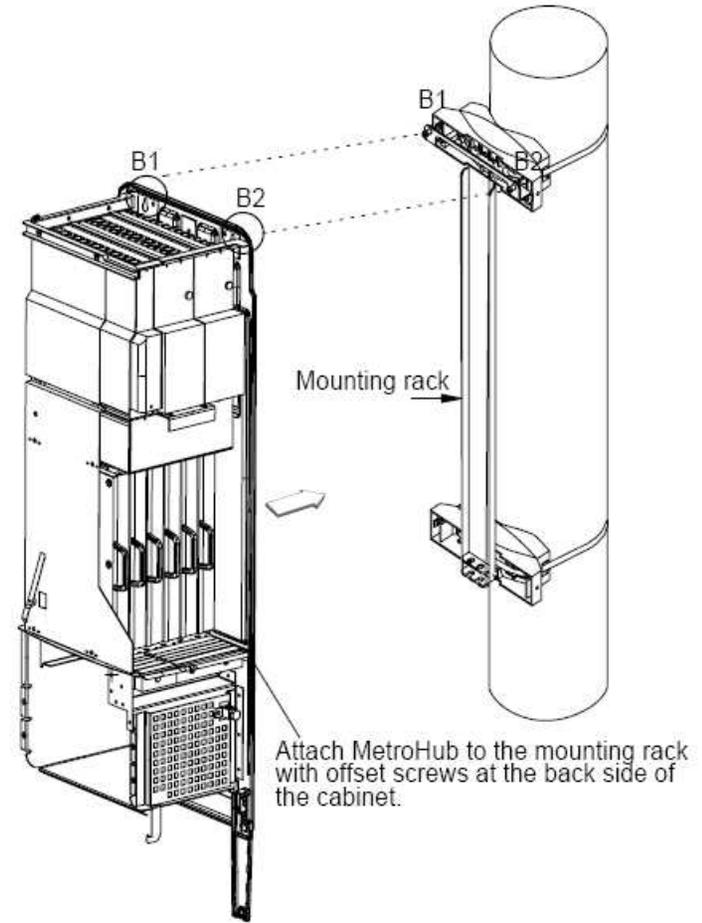
- Install mounting rack on wall using R1 and R2.
- Connect U-Plate and connect to wall using R3 and R4.
- Put B1 and B2.
- Hang MetroHub on B1 and B2 and position the L-beam on the back into the U-Plate.
- Tighten B1 and B2 evenly, tighten screws on L beam into U-Plate from underside.

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# Installing MetroHub on Pole

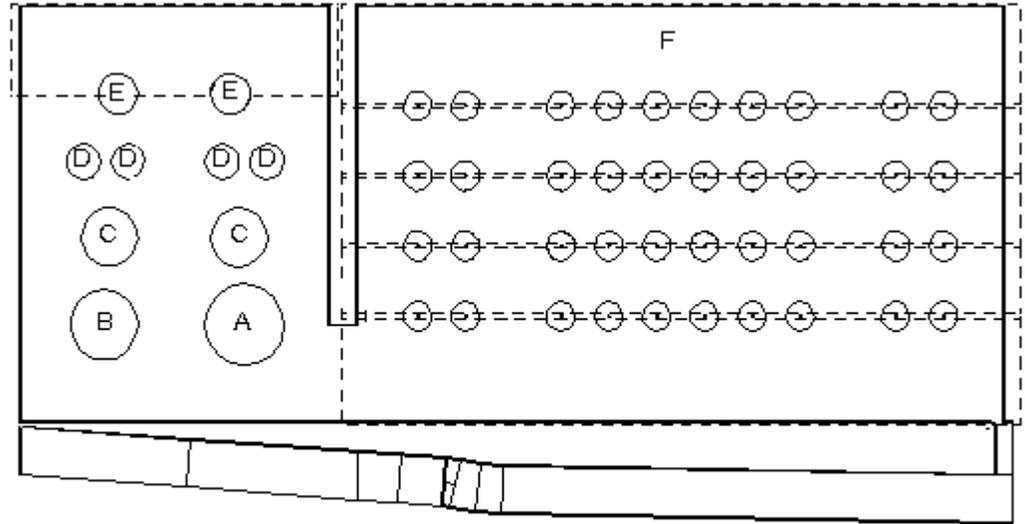
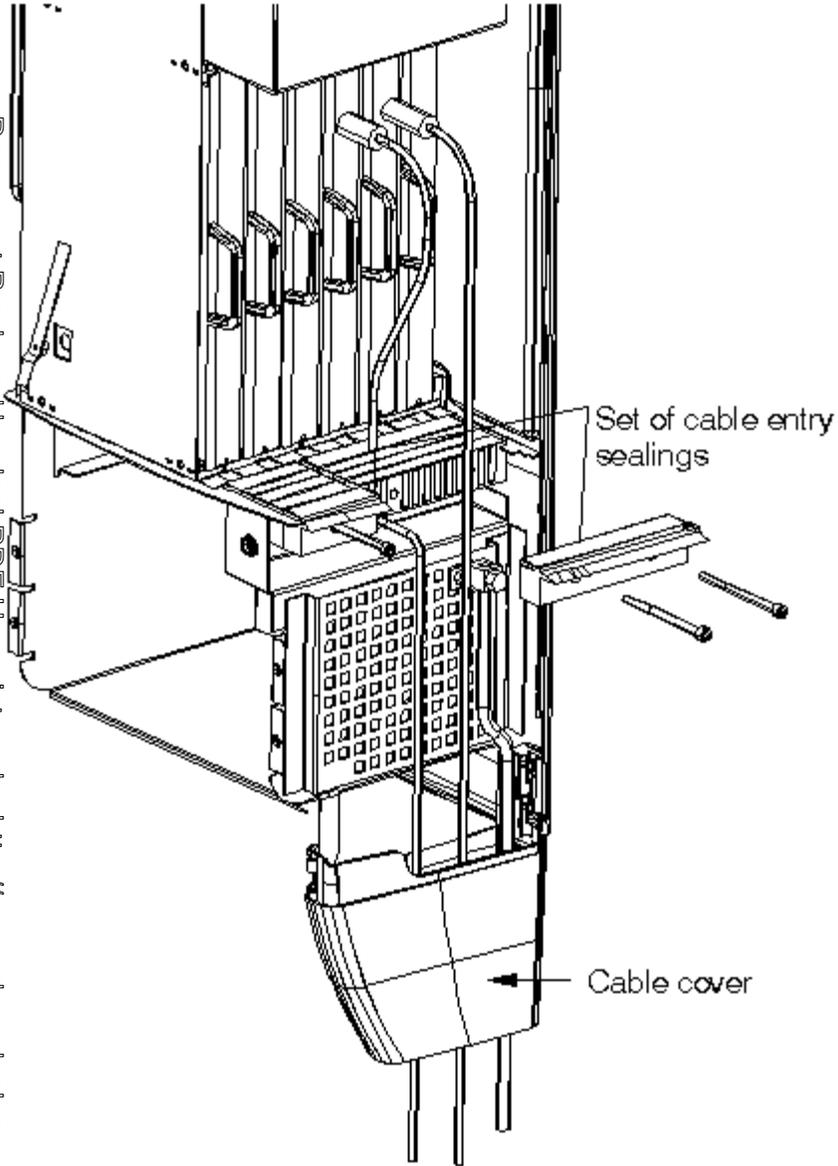


Pole dia. 60-120 mm



Pole dia > 120 mm, mounting kit version 2

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Holes for power cables and DIUx cables

Holes for transmission unit cables (40 pcs)

**Figure: Cable entry sealing**

**Table: Diameters of the holes in the cable entry sealing**

Hole	Diameter (mm)	Cable
A	14	Battery cable / DC-input cable
B	12	AC input
C	10	+55 V DC output; external alarms
D	6	Permanent cabling for LMP and Q1
E	7	-48 V DC output
F	6	Transmission unit cables