C120 pier for concrete base
USER MANUAL

VERSION 1.0

Update 13-09-2023



C120 pier shown with optional mount adapter

C120 pier for concrete base is a PrimaLuceLab SpA (Italy) product.
For any matters relating to the use, service and warranty, please refer to the addresses given in the relevant documents.

English

WARNING: C120 pier for concrete base is a heavy instrument, if improperly handled it may cause bodily harm during installation. Please perform the installation with the help of at least 1 person (2 persons in total are suggested for the installation). If you feel uncomfortable with any step of the installation, please do not proceed and contact us to ask for an help.

NOTE: C120 piers are designed to be installed in fixed observatories where the telescope is protected by a dome. Piers are not designed to be installed outside without protection from weather effect. C120 piers are subjected (before powder coating) to cold galvanizing treatment that adds a layer of protection against corrosion but is not a guarantee against corrosion.

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Contents of the package

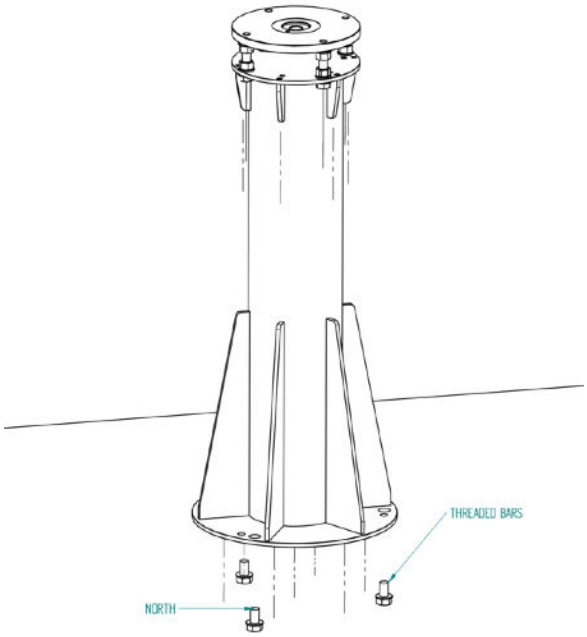
- C120 pier for concrete base
- n.3 support discs
- n.4 M20x100 screws
- n.3 M20x50 screws
- n.12 washers
- n.8 M20 nuts

Specifications

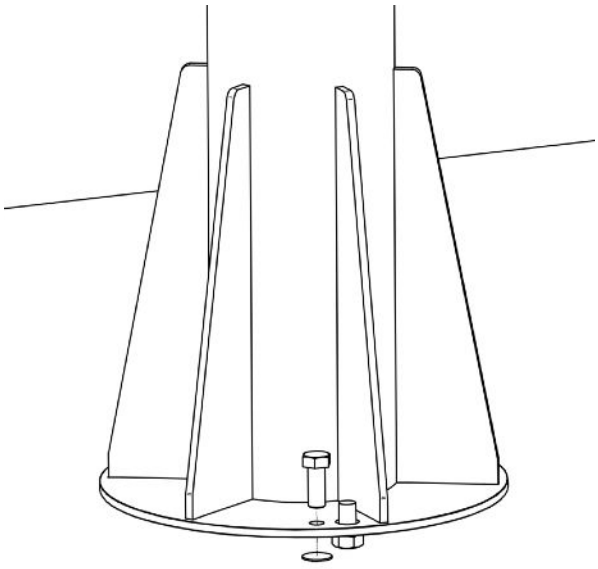
- Height (without adapter): 1115mm
- Weight: 55kg
- Material: galvanised and painted steel

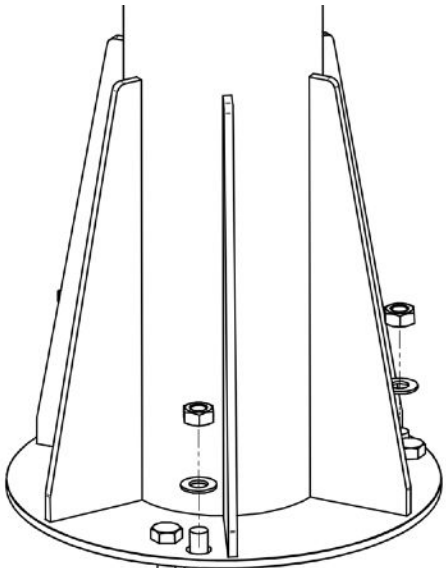
First use: installing C120 pier for concrete base

Insert the C120 pier on the threaded bars (not included in the pier box) that you have to set in your concrete base. 3 threaded bars are needed in order to install the C120 pier on the concrete base. At the end of this manual you find the design of the C120 base plate with the position of the passing holes for the threaded bars.



For every couple of holes, please insert one of the 3 support discs under the smaller (threaded) hole near the bar. Then please screw in the M20 screws and tighten it in order to start adjusting the pier levelling.

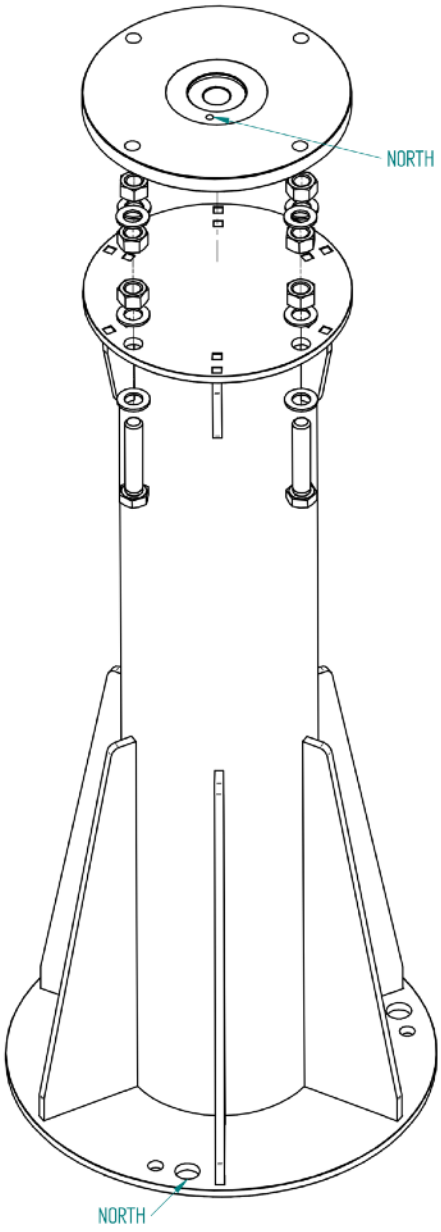




In order to do this, you can use a bubble level (not included with the pier) and screw or unscrew the M20x50 screws. When you find the best pier position and the upper section is perfectly horizontal, you can fix the pier in the position by screwing nuts inserted on the threaded bars.

First use: connecting the optional mount adapter

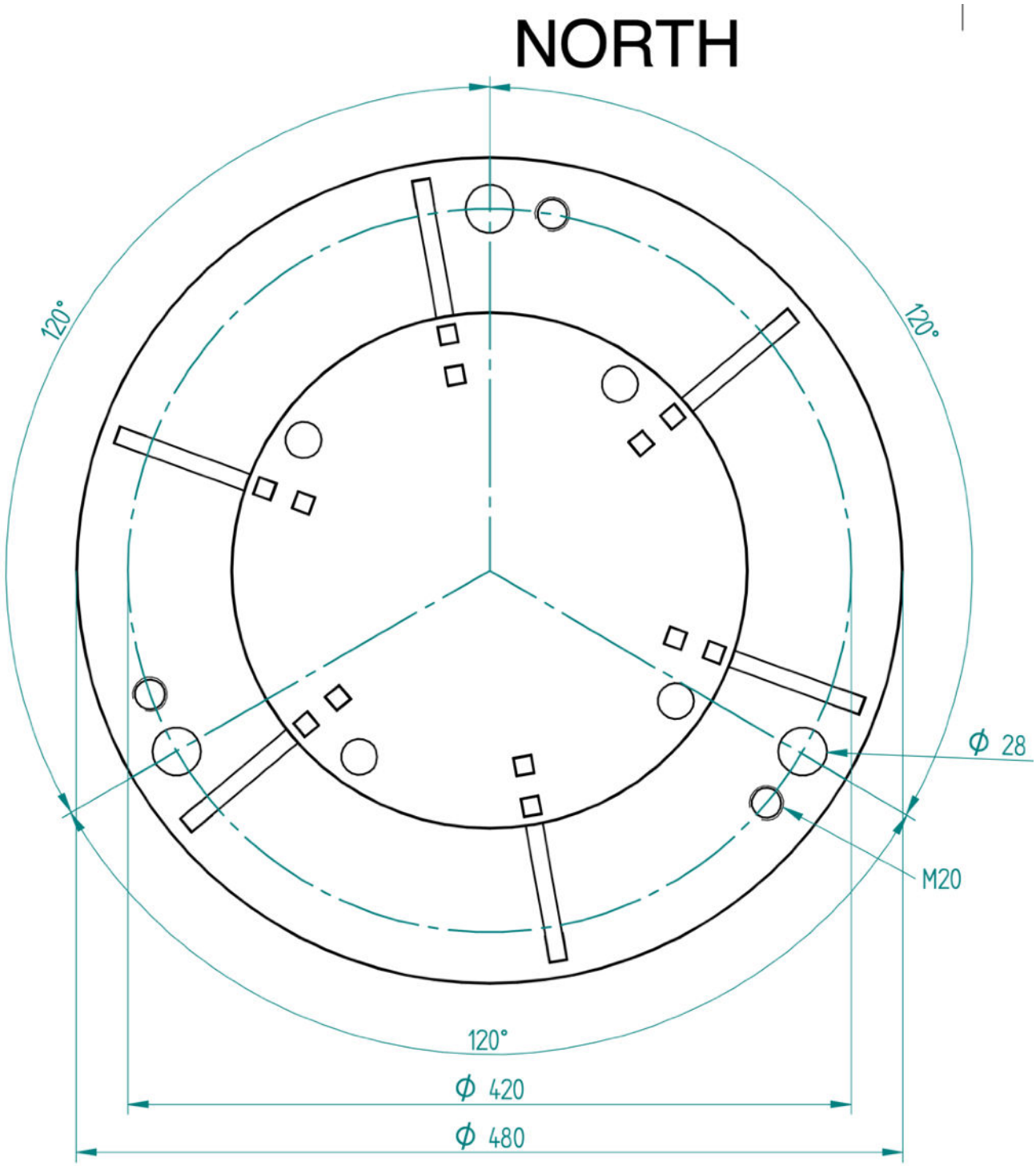
In order to connect mount's head to the C120 pier, you can use one of the optional adapters. Check the below image to insert screws with washers and nuts to the pier head and then insert the optional mount adapter. Before connecting your mount, make sure everything is firmly fixed and secure.



Finally you can connect your mount head to the optional pier adapter.

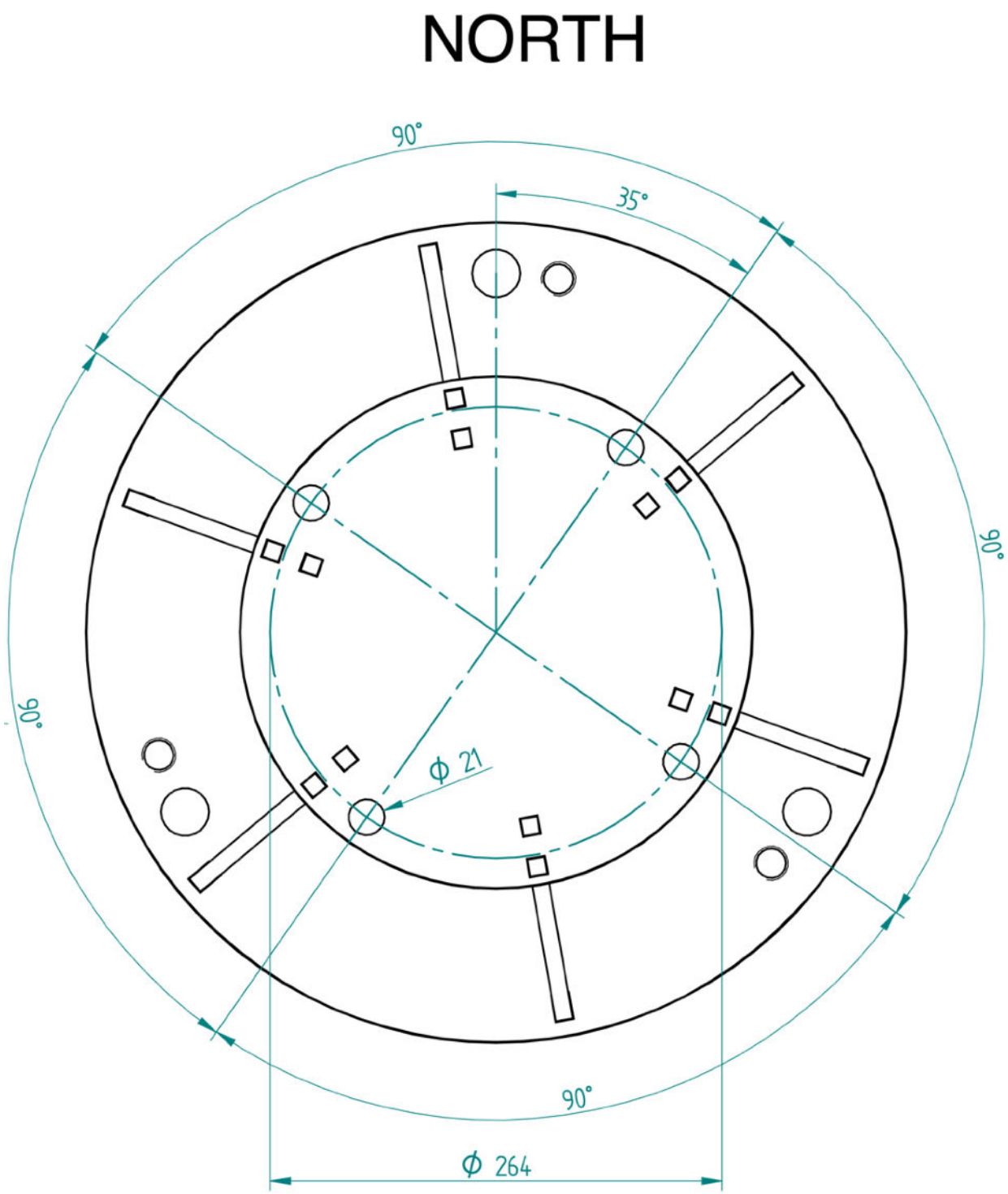
Dimensions of C120 pier base plate

The picture shows dimensions of the C120 base plate with position of the passing (needs for threaded bars) and threaded (for M20 screws) holes.



Dimensions of C120 mount adapter

The picture shows dimensions of the upper part of the C120 pier, useful if you want to design your own mount adapter.



WARRANTY

1) The PrimaLuceLab product warranty is effective from the date of purchase and is valid only if it is with the invoice (or receipt) of purchase.

2) The warranty covers the product against defects in workmanship and includes the cost of the replaced material and labor.

3) The warranty does not cover any damage caused to the product or defects or failures that occur due to improper installation , improper use and/or deterioration due to normal wear.

4) THE GUARANTEE DOES NOT APPLY IN THE FOLLOWING CASES:
   - Repair by anyone not authorized by PrimaLuceLab .
   - Invasive interventions or tampering with internal and/or external parts.
   - Missing of the invoice (or receipt) of purchase.

TERMS OF SERVICE
Technical assistance is performed exclusively by PrimaLuceLab or its authorized resellers. All returns must be received with our permission (to be asked writing an email to support@primalucelab.com) . YOU HAVE TO add to the shipping the invoice (or receipt) of purchase and the detailed description of the defect. For products without the invoice (or receipt) of purchase, repair and shipping costs are always paid by the customer.