

# ASSEMBLY INSTRUCTION

## 1.) Baseplate positioning



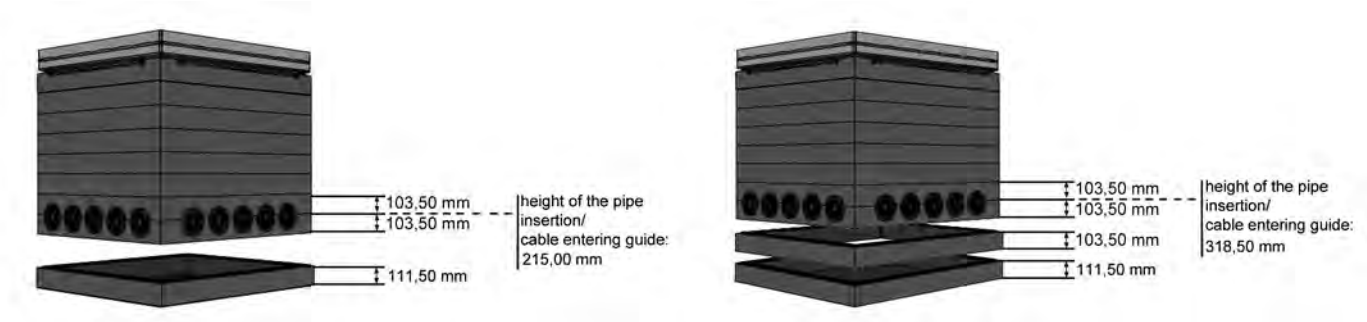
Excavation of the building pit according to the requirements alternatively to the arrangement of the bore holes and flatten with an air level.

Put the baseplate (with the fibre-glass reinforced polycarbonat frame) horizontally on the ground or into the building pit and angle the baseplate with an air level.

## 2.) Height determination of the tube or the cable inlets

After the horizontal justification of the base plate the vertical positioning of the tube or cable inlets can be made.

By choosing an individual number of polycarbonat frames between the double frame (with the bore holes) and the base plate, it is possible to set the tube or cable inlets in customer-friendly height. The increase of the height by one polycarbonatframe is 103,50 mm.



## 3.) Tube- / cable inlets



The vario standard entering guides will be sliced to the desired tube diameter with the help of prefabricated tube outlets.

By superstructure or laying the manhole on existing cables or cable protection tubes, the cable or pipe ends will be equipped with a vario standard entering guide and placed into the lowest polycarbonat frame (with the bore holes).

Before the bore holes will be closed with the upper polycarbonat frame, it has to be ensured that there is no dirt

between the frames.

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### 4.) Build up cable manhole height



After insertion of the cable or cable protection tubes, the assembling of the complete manhole height can be occur.

The polycarbonat frames will be piled after another till the desired height is reached.

Possible dirt between the frames should be removed.

### 5.) Put on the steel frame



The last level presents the steel frame incl. top frame (made of fibre glass reinforced polycarbonat).

With help of the integrated height adjustment an infinitely variable height and gradient compensation is possible (max. 50 mm).

6 mm hexagonal socket wrench or KURO universal installation wrench required.

### 6.) Insert and lock the cover



The insertion of the manhole cover can be done with a cover lifter or the KURO installation wrench.

The space between the steel frame and the polycarbonat frame has to be caulked with cement mortar (quality > C12/15).



After the insertion of the manhole cover the cable manhole has to be filled and compressed in layers.