

## Installation instruction I00NE3 column

To be used alongside the Nedal “General guidelines for installation of aluminium lighting columns”.

Additional guidelines for I00NE3 column:

- The foundation hole needs to be of sufficient size to allow the inclusion of the protective packaging (wooden mats) around the NE3 breaking system during the initial column installation. The diameter of the hole needs to be increased by a minimum of 100 mm to accommodate this.
- After digging the hole, lower the lighting column into the hole (Note: this should be done with appropriate accuracy so not to damage the door section and sliding mechanism)
- The planting depth is stated on the drawing (fig.1) and is also indicated on the segment protection. **Do not** remove the packaging (wooden mats) around the NE3 breaking system at ground level until the column has been positioned vertically and at the correct depth in the bottom.
- Due to the presence of the NE3 sliding mechanism, the column must be placed with care. Position the column in accordance with the specific column drawing, where planting depth and ground section length are stated. The division of the NE3 sliding mechanism is 50-100 mm above ground level\*.
- During installation, avoid transverse and torsional forces on the division of the mast, related to functioning of the NE3 breaking system.
- The principle of NE3 columns is to slide the column on the division during a collision. This division must be able to slide off freely!
- Compact the ground on the outside of the column.
- Optional Internal backfill method: When installing, fill the masts with crusher sand up to 200 mm below ground level, but this not necessary.



In relation with the operation of the NE3 breaking system, care must be taken when the 100NE3 column is installed to prevent the column being subjected to an impact during ground maintenance work, e.g. road cleaning or mowing work; In the unlikely event that this occurs, please contact the manufacturer (Nedal Aluminium B.V.) to ensure correct operation of the NE3 breaking system has not been affected.

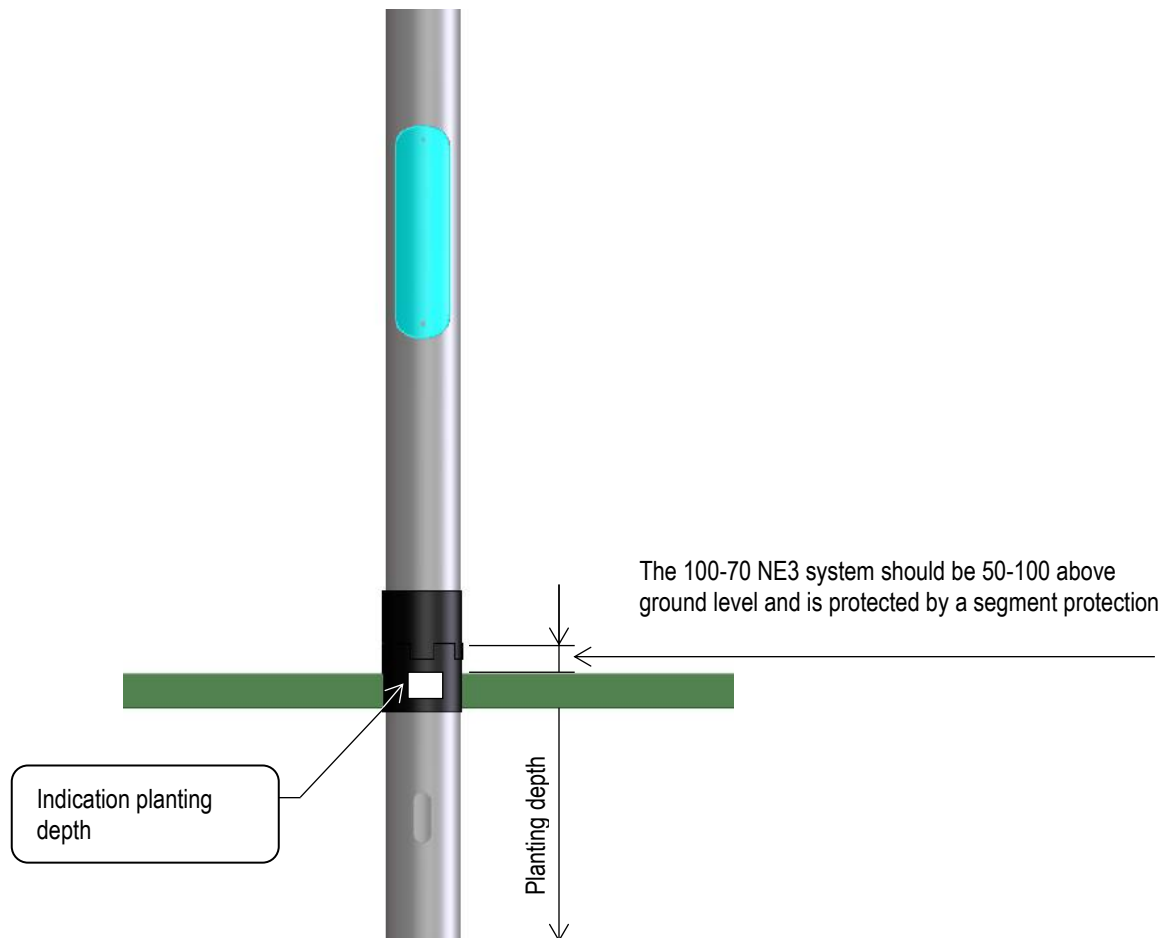


Figure 1 - Installation 100NE3 column



## **Additional information regarding the soil type composition**

For additional questions about the type of soil in which our columns are placed, the following notes:

During the certification tests to determine the passive safety class of the column, a soil quality with a measured shear strength of 60-70 KPa was used during the installation.

In addition, the soil was not compacted in order to imitate the softest possible soil conditions; in the report of the tests this is qualified as moderate / firm. The installation location must be tested for the mentioned shear values in order to ensure correct operation of the system. If the soil at the location of the mast appears to be “weaker” than the specified shear value, it is recommended to compact the soil on site.

