

ATLANTECH LUX SMALL PLUS model
for the installation of lighting poles, buried type, with a maximum diameter
at the base of 148 mm

The following maximum stresses at the base due to the loads applied on the lighting pole were considered for the verification of the Atlantech Lux Small Plus foundation.

	Maximum stress
Horizontal load	203 kg
Bending moment	1246 kgm

The Atlantech Lux Small Plus foundation, loaded with the above stresses, is verified with soils having the following minimum geotechnical characteristics.

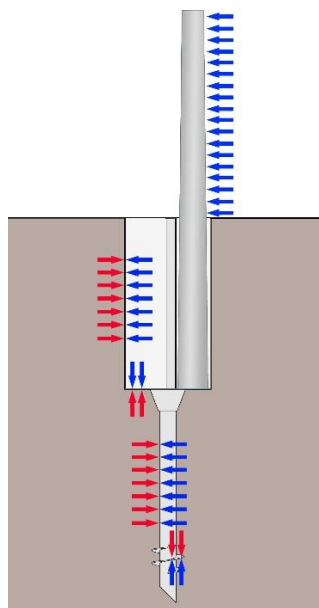
Cohesive soils

<i>Cohesion not drained</i>	$C_u = 0,5 \text{ kg/cm}^2 = 5.000 \text{ kg/m}^2$
	$\text{Weight} = \gamma = 1.900 \text{ kg/m}^3$

Cohesionless soils

<i>Cut resistance angle</i>	$\varphi = 30^\circ$
	$\text{Weight} = \gamma = 1.900 \text{ kg/m}^3$

Indicative scheme of behavior of the Atlantech Lux foundation



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