

**ATLANTECH LUX ONE BOX SMALL 2300 model
for the installation of lighting poles, buried type, with a maximum diameter
at the base of 240 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 One Box Small 2300 foundation.

	Maximum stress
Horizontal load	469 kg
Bending moment	4228 kgm

The Atlantech Lux One Box Small 2300 foundation, loaded with the above stresses, is verified with soils having the following minimum geotechnical characteristics.

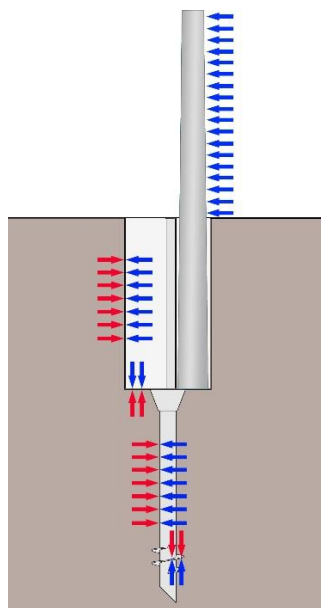
Cohesive soils

<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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