

**ATLANTECH LUX MEDIUM model**  
**for the installation of lighting poles, buried type, with a maximum diameter**  
**at the base of 188 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 Medium foundation.

	<b>Maximum stress</b>
<b>Horizontal load</b>	<b>265 kg</b>
<b>Bending moment</b>	<b>1980 kgm</b>

The Atlantech Lux Medium 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*

