

ATLANTECH E-LUX HEAVY 1500
Verified for Enel poles 14D14, maximum base diameter 360 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 E-Lux Heavy 1500 foundation.

	Maximum stress
Bending moment	79.79 kNm

The Atlantech E-Lux Heavy 1500 foundation, loaded with the above stresses, is verified with soils having the following geotechnical characteristics.

Cohesive soils

<i>Cohesion not drained</i>	$C_u = 0.5 \text{ kg/cm}^2 = 5000 \text{ kg/m}^2$
	$\text{Weight} = \gamma = 1900 \text{ kg/m}^3$

Cohesionless soils

<i>Cut resistance angle</i>	$\varphi = 30^\circ$
	$\text{Weight} = \gamma = 1900 \text{ kg/m}^3$

Indicative scheme of behavior of the Atlantech Lux foundation

