

ATLANTECH E-LUX MEDIUM 1100
Verified for Enel poles 10C15 and 10D15, maximum base diameter 310 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 Medium 1100 foundation.

| | |
|-----------------------|-----------------------|
| | Maximum stress |
| Bending moment | 55.76 kNm |

The Atlantech E-Lux Medium 1100 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

