

Tapered poles Ø 127-102 mm or with upper reduction Ø 60 mm

PAGE 1/2 REV 0 _ 13.02.2023

Cariboni
group

Materials

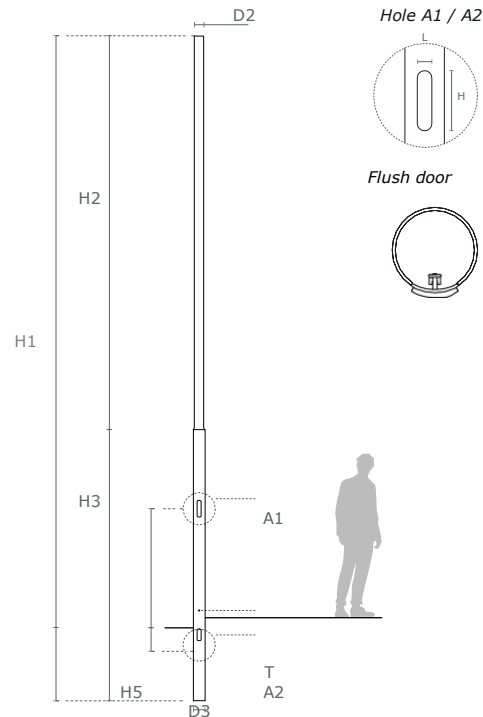
Body: made of steel profile S235 JR UNI EN10025 with subsequent circumferential welding of ERW electro- welded tubes with an approved MAW automatic process.
Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating, colour dark grey sablè 100 noir.

Cap: black polycarbonate top closure.

Installation

Fastening: Pole to be embedded. A protective sleeve is available on request.

Electrical wiring: Four-pole terminal board for cables 4x16mm². There is a hole for attaching the external earthing cable lug with M10 (T) threaded insert.



A1 - Terminal board hole and door

| | |
|-----------------|------------------|
| Hole dimensions | LxH: 45 x 186 mm |
| Hole height | H4: 1300 mm |

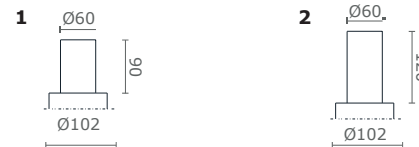
A2 - Cable entry hole

| | |
|-----------------|------------------|
| Hole dimensions | LxH: 50 x 150 mm |
| Hole height | H5: -200 mm |

Reduction Ø60 - thickness 3mm

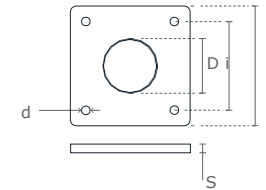
For pole versions with an upper reduction h90, add "1" to the standard pole code (e.g. 01PA0011C1).

For pole versions with an upper reduction h120, add "2" to the standard pole code (e.g.:01PA0011C2).



Base plate

Versions for fixing with a base plate are available on request.

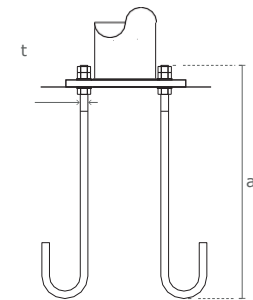


Height above ground of pole = H1 + I

Metal anchors

| | |
|--------|------------|
| Length | a = 800 mm |
| Thread | t = M18 |

Plate fixing with metal anchors



| Codes for embedded versions | H2 / D2 x upper arm thickness [mm] | H3 / D3 x lower arm thickness [mm] | H1: Height above ground [mm] | I: Embedding depth [mm] | Number of arms [No.] | Pole weight [kg] | EN 40-3 Vref=25m/s [m2 / daN] | EN40-3 Vref=29m/s [m2 / daN] | Maximum Bending Moment [kN x m] |
|-----------------------------|---|---|-----------------------------------|------------------------------|---------------------------|-----------------------|---------------------------------------|--------------------------------------|--------------------------------------|
| 01PA0011C | 4300 / Ø102 x 4 | 3000 / Ø127 x 4 | 6500 | 800 | 2 | 90 | 0.95 / 71 | 0.70 / 52 | 8.5 |
| 01PA0097C | 4800 / Ø102 x 4 | 3000 / Ø127 x 4 | 7000 | 800 | 2 | 98 | 0.80 / 60 | 0.60 / 45 | 8.5 |
| 01PA0012C | 4800 / Ø102 x 4 | 3500 / Ø127 x 4 | 7500 | 800 | 2 | 104 | 0.70 / 52 | 0.50 / 38 | 8.5 |
| 01PA0098C | 4800 / Ø102 x 4 | 4000 / Ø127 x 4 | 8000 | 800 | 2 | 107 | 0.60 / 45 | 0.42 / 31 | 4.0 |
| 01PA0013C | 5300 / Ø102 x 4 | 4000 / Ø127 x 4 | 8500 | 800 | 2 | 112 | 0.50 / 37 | 0.35 / 26 | 4.0 |

Dimensional tolerance according EN40-2.

| P x P x S : dimensions plate [mm] | i: plate holes interaxis [mm] | D: central hole [mm] | d: holes for metal anchors [mm] |
|--|------------------------------------|------------------------|--------------------------------------|
| 300 x 300 x 15 | i=220 | D=150 | d=20 |
| 300 x 300 x 15 | i=220 | D=150 | d=20 |
| 300 x 300 x 15 | i=220 | D=150 | d=20 |
| 300 x 300 x 15 | i=220 | D=150 | d=20 |
| 300 x 300 x 15 | i=220 | D=150 | d=20 |

Codes for versions with base plate are available on request.

Resistance to wind according EN40-3-1

Dimensioning and verification according to EN40-3, soil category II.
The choice of the pole will be endorsed after structural verification according to EN-40, depending on the area of installation. The values of the European wind map are only indicative: wind speeds must be defined by national authorities.

Passive safety EN12767

Performance in case of impact with a vehicle: class 0

Terrain categories for wind exposure

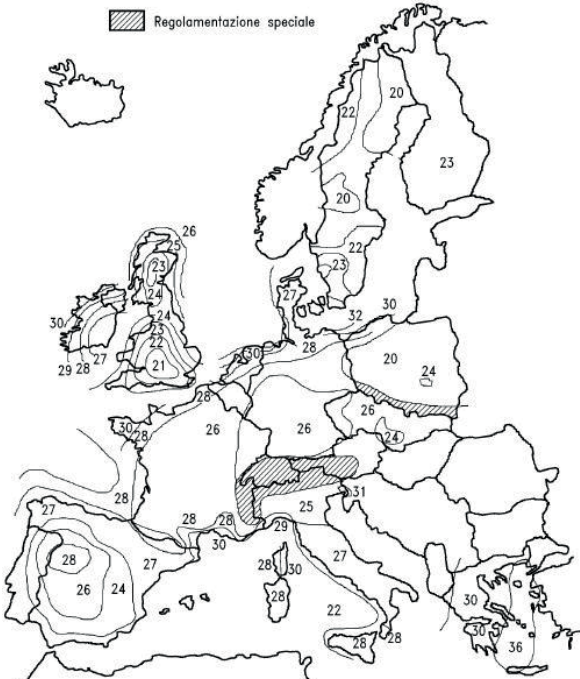
Terrain Category I: Seasides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

Terrain Category II: Fenced off cultivated land, some small agricultural buildings, houses or trees.

Terrain Category III: Suburban or industrial areas or permanent forests.

Terrain Category IV: Urban perimeters with at least 15% of the surface built on, and/or on which the average heights of buildings exceed 15m.

Eurocode installation zone ENV 1991-2-4: Europe



Eurocode installation zone ENV 1991-2-4: Italy

| Zone | Description | Vref |
|------|---|-------|
| 1 | Valle d'Aosta, Piedmont, Lombardy, Trentino Alto Adige, Veneto, Friuli Venezia Giulia (not Trieste) | 25m/s |
| 2 | Emilia Romagna | 25m/s |
| 3 | Tuscany, Marche, Umbria, Lazio, Abruzzo, Molise, Puglia, Campania, Basilicata, Calabria (not Reggio Calabria) | 27m/s |
| 4 | Sicily and the province of Reggio Calabria | 28m/s |
| 5 | Sardinia (area to the east of the line joining Capo Teulada with La Maddalena Island) | 28m/s |
| 6 | Sardinia (area to the west of the line joining Capo Teulada with La Maddalena Island) | 28m/s |
| 7 | Liguria | 28m/s |
| 8 | Province of Trieste | 30m/s |
| 9 | Islands (except for Sicily and Sardinia) and open sea | 31m/s |

