

Tapered poles Ø 127-76 mm or with upper reduction Ø 60 mm

PAGE 1/2 REV 0 _ 13.02.2023

Cariboni
group

Material

Body: made of steel profile S235 JR UNI EN10025 with subsequent welding circumferential welding of ERW electro-welded tubes by means of an approved MAW automatic process.

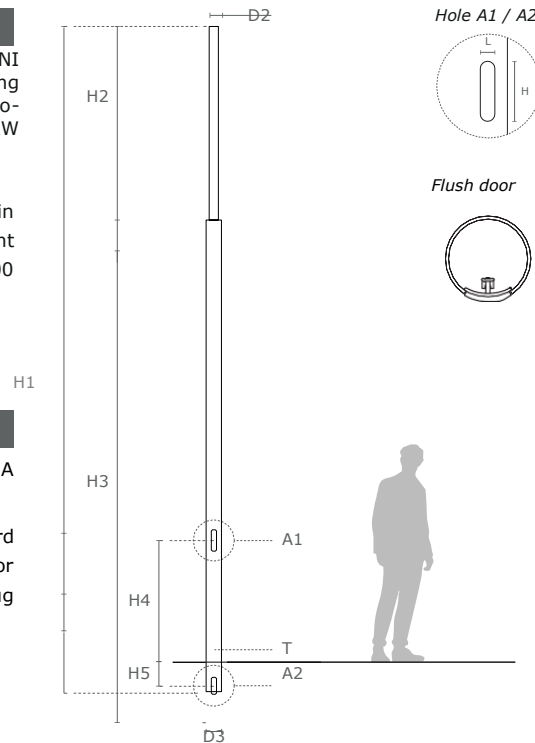
Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating, colour dark grey sablè 100 noir.

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

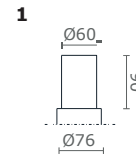
A2 - Cable entry hole

Hole dimensions LxH: 50 x 150 mm

Hole height H5: -200 mm

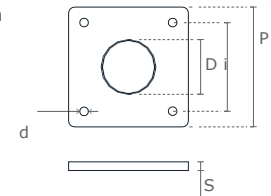
Reduction Ø60 - thickness 3mm

For pole versions with an upper reduction h90, add "1" to the standard pole code (e.g. 01PA0160C1).



Base plate

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



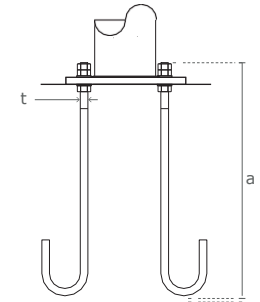
Height above ground of pole = H1 + I

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: h. above ground [mm]	I: Embedding depth [mm]	H4: h. hole A1 [mm]	No. of arms [N]	Pole weight [kg]	EN 40-3 Vref=25m\s [m2 / daN]	EN40-3 Vref=29m\s [m2 / daN]	Maximum Bending Moment [kN x m]
01PA0160C	1600 / Ø76 x 3	3900 / Ø127 x 3	5000	500	1000	1/2	50	1.08 / 81	0.88 / 66	6,0
01PA0161C	1600 / Ø76 x 3	4400 / Ø127 x 3	5000	500	1000	1/2	55	0,92 / 69	0,69 / 51	6,0
01PA0162C	1600 / Ø76 x 3	5200 / Ø127 x 3	6000	800	1300	1/2	63	0.84 / 62	0.62 / 46	6,5
01PA0163C	1600 / Ø76 x 3	5700 / Ø127 x 3	6500	800	1300	1/2	68	0,70 / 52	0,50 / 38	6,5
01PA0164C	1600 / Ø76 x 3	6200 / Ø127 x 3	7000	800	1300	1/2	73	0.58 / 43	0.42 / 31	6,5
01PA0165C	1600 / Ø76 x 3	6700 / Ø127 x 4	7500	800	1300	1/2	100	0.74 / 55	0.54 / 40	8.6

Dimensional tolerance according EN40-2.

P x P x S : plate dimensions [mm]	i:plate holes interaxis [mm]	D: central hole [mm]	d: holes for metal anchors [mm]
300 x 300 x 12	i=220	D=150	d=20
300 x 300 x 12	i=220	D=150	d=20
300 x 300 x 12	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

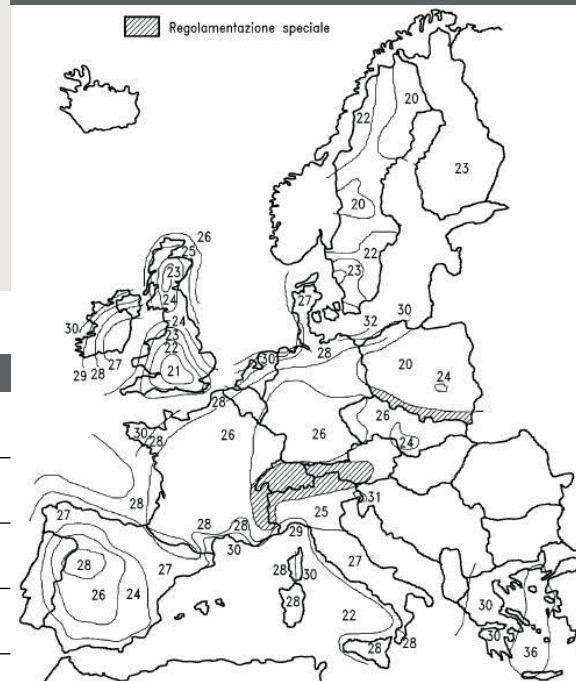
Terrain Category I: Seasides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

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

