

Tapered poles Ø 102-60 mm

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Cariboni
group

Materials

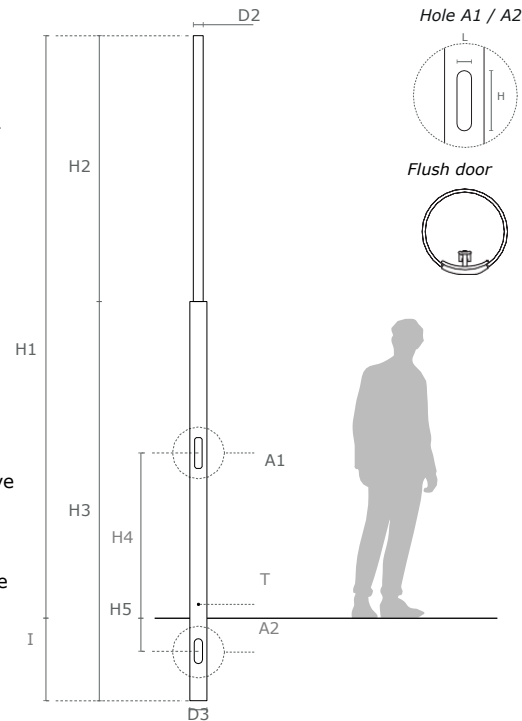
Body: made of steel profile S235 JR UNI EN10025 with subsequent circumferential welding of ERW electro-welded tubes with an approved MAW automatic process. Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating, colour dark grey sablè 100 noir.

Cap: black polycarbonate top closure.

Installation

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

Electrical wiring: Terminal board four-pole 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

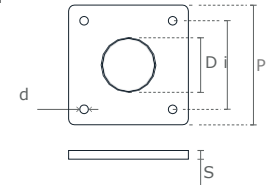
A2 - Cable entry hole

Hole dimensions LxH: 50 x 150 mm

Hole height H5: -200 mm

Base plate

Versions for fixing with a base plate are available on request



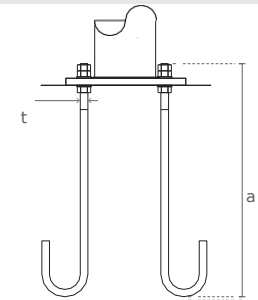
Height above ground of pole= H1 + I

Metal anchors

Length a= 500 mm

Thread t= M16

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 [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]
01PA0025C	1600 / Ø60 x 3	3400 / Ø102 x 3	4500	500	1000	1	36	0.72 / 55	0.54 / 40	3.8
01PA0103C	1600 / Ø60 x 3	3900 / Ø102 x 3	5000	500	1000	1	40	0.58 / 44	0.44 / 33	3.8
01PA0026C	1600 / Ø60 x 3	4400 / Ø102 x 3	5500	500	1000	1	44	0.48 / 36	0.35 / 26	3.8
01PA0104C	1600 / Ø60 x 4	5200 / Ø102 x 4	6000	800	1300	1/2	66	0.61 / 45	0.45 / 33	5.4
01PA0029C	1600 / Ø60 x 4	5700 / Ø102 x 4	6500	800	1300	1/2	72	0.51 / 38	0.36 / 27	5.4
01PA0105C	1600 / Ø60 x 4	6200 / Ø102 x 4	7000	800	1300	1/2	78	0.42 / 31	0.29 / 21	5.4
01PA0030C	1600 / Ø60 x 4	6700 / Ø102 x 4	7500	800	1300	1/2	83	0.34 / 26	0.22 / 17	5.4
01PA0248C	1600 / Ø60 x 4	7200 / Ø102 x 4	8000	800	1300	1/2	88	0.26 / 20	0.16 / 12	5.4

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]
200 x 200 x 12	i=135	D=102	d=18
200 x 200 x 12	i=135	D=102	d=18
200 x 200 x 12	i=135	D=102	d=18
250 x 250 x 15	i=135	D=102	d=18
250 x 250 x 15	i=135	D=102	d=18
250 x 250 x 15	i=185	D=102	d=18
250 x 250 x 15	i=185	D=102	d=18
250 x 250 x 15	i=185	D=102	d=18

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

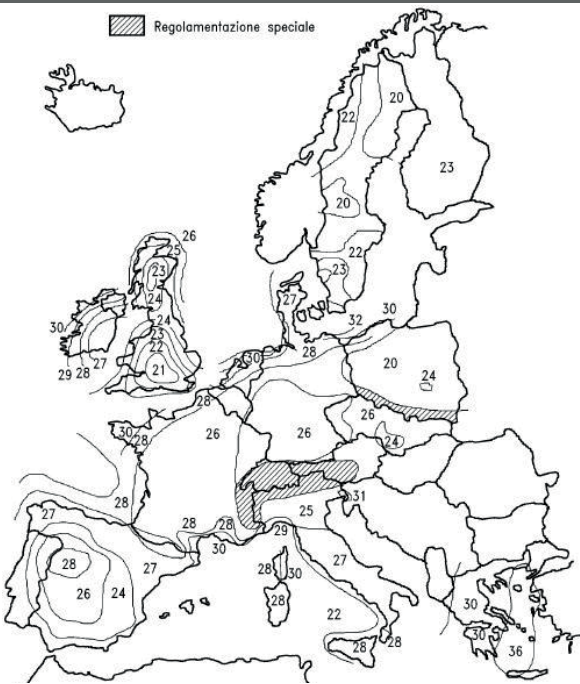
Terrain Category I: Seasides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

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

