

Tapered poles Ø 102-76-60 mm

PAGE 1/2 REV 0 _ 13.02.2023

Cariboni
group

Materials

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.

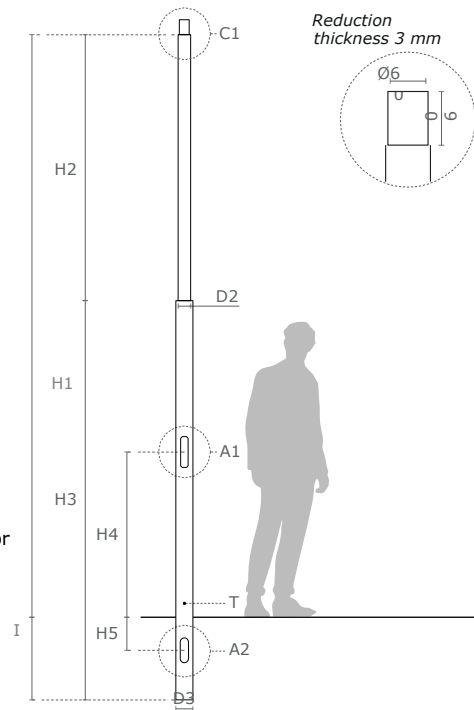
Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating, colour dark grey sablè 100 noir.

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.

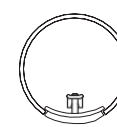
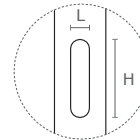


A1 - Terminal board hole and door

Hole dimensions LxH: 45 x 186 mm

Hole A1 / A2

Flush door



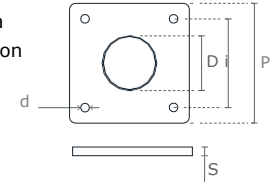
A2 - Cable entry hole

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.



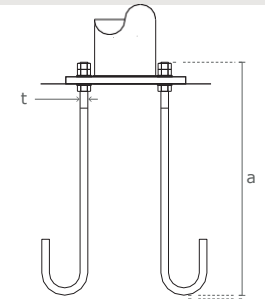
Height above ground of pole= H1 + I

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]	Pole weight [kg]	EN 40-3 Vref=25m\s [m2 / daN]	EN40-3 Vref=29m\s [m2 / daN]	Maximum Bending Moment [kN x m]
01PA0150C1	1600 / Ø76 x 3	2400 / Ø102 x 3	3500	500	1000	30	1.20 / 90	0.90 / 67	4.0
01PA0151C1	1600 / Ø76 x 3	2900 / Ø102 x 3	4000	500	1000	34	0.95 / 75	0.75 / 55	4.0
01PA0152C1	1600 / Ø76 x 3	3400 / Ø102 x 3	4500	500	1000	38	0.80 / 60	0.60 / 45	4.0
01PA0153C1	1600 / Ø76 x 3	3900 / Ø102 x 3	5000	500	1000	42	0.65 / 45	0.45 / 35	4.0
01PA0154C1	1600 / Ø76 x 3	4400 / Ø102 x 3	5500	500	1000	46	0.50 / 38	0.35 / 27	4.0
01PA0155C1	1600 / Ø76 x 3	5200 / Ø102 x 3	6000	800	1300	53	0.40 / 30	0.28 / 21	4.0
01PA0156C1	1600 / Ø76 x 4	5700 / Ø102 x 4	6500	800	1300	75	0.48 / 36	0.35 / 26	5.4
01PA0157C1	1600 / Ø76 x 4	6200 / Ø127 x 4	7000	800	1300	80	0.40 / 30	0.26 / 20	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
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=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

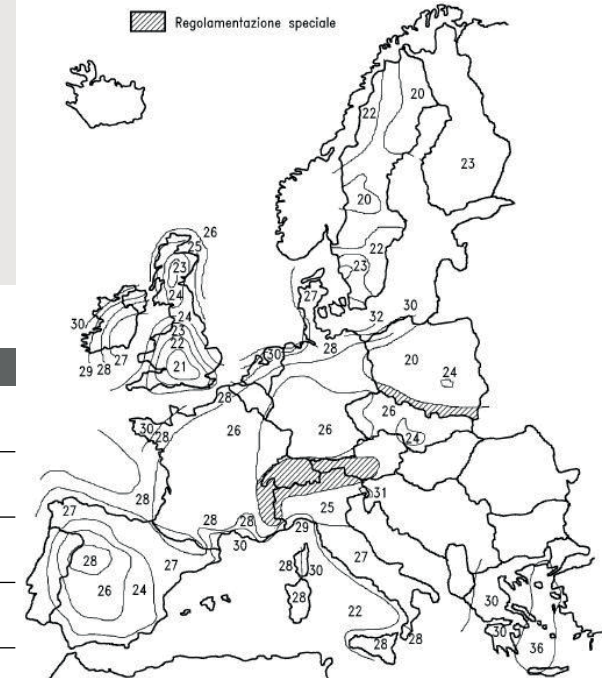
Terrain categories for wind exposure

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

